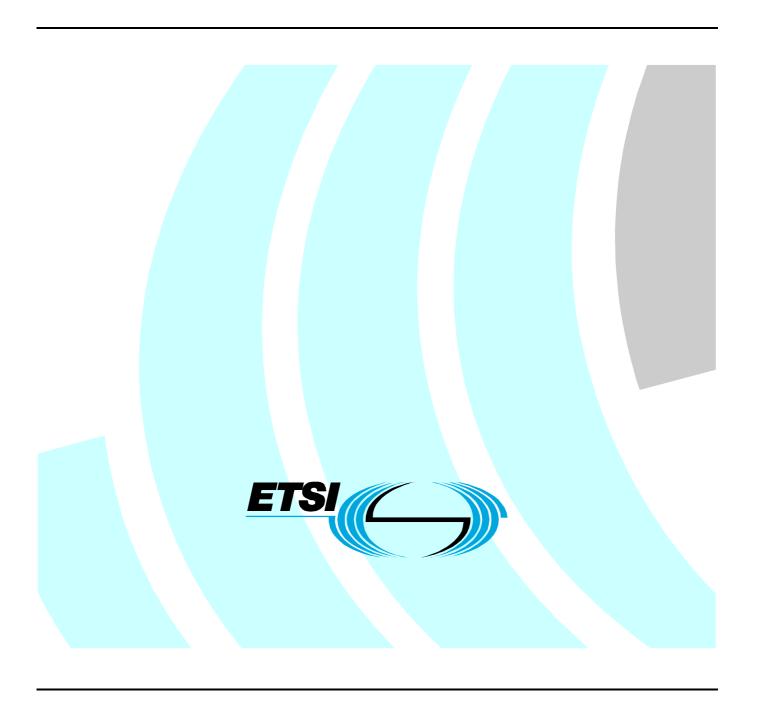
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Technical Specification

Services and Protocols for Advanced Network (SPAN);
Network integration testing of
Universal Mobile Telecommunications System (UMTS)
with Global System for Mobile Communication (GSM)
Phase 2 +, Public Switched Telephone Network (PSTN)
and Integrated Services Digital Network (ISDN);
Part 1: Test Suite Structure and Test purposes (TSS&TP)



Reference

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document was developed by EURESCOM P1106 as Deliverable 2 Volume 2 and made freely and publicly available to ETSI TC SPAN for publication.

The present document is part 1 of a multi-part deliverable covering the Network integration of UMTS with GSM Phase 2 +, PSTN and ISDN as identified below:

Part 1: "Test Suite Structure and Test Purposes (TSS&TP)";

Part 2: "Abstract Test Suite (ATS), Implementation Conformance Statement (ICS) and partial Implementation eXtra Information for Testing (IXIT) proformas".

Introduction

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing for the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-UMTS, UMTS-PSTN, UMTS-GSM, and UMTS-UMTS networks. The objective is to verify the level of international or national end-to-end support of ISDN and PLMN services. All bearer services (and associated teleservices) and supplementary services are checked for interworking capability and compatibility, in the European ISDN and PLMN.

1 Scope

The present document specifies of Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of UMTS, GSM, ISDN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that the appropriate requested features passes between an ISDN subscriber and the mobile subscriber across the national or international ISUP (ISUP V2) interface.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- [1] ETSI EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
- [2] ETSI EN 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz, videotelephony, audiographic conference and videoconference teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [3] ETSI ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".
- [4] ETSI ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions ".
- [5] ETSI EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [6] ETSI ETS 300 092-1/A2: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [7] ETSI EN 300 093-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [8] ETSI EN 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [9] ETSI ETS 300 097-1/A1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [10] ETSI EN 300 098-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

- [11] ETSI EN 300 138-1: "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [12] ETSI EN 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [13] ETSI EN 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [14] ETSI EN 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [15] ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [16] ETSI EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. One (DSS1); Part 1: Protocol specification".
- [17] ETSI EN 300 130-1: "Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [18] ETSI EN 300 188-1: "Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [19] ETSI EN 300 141-1: "Integrated Services Digital Network (ISDN); Call Hold (HOLD) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [20] ETSI EN 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [21] ETSI EN 300 356-15: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 15: Diversion supplementary service [ITU-T Recommendation Q.732, clauses 2 to 5 (1999) modified]".
- [22] ETSI EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [23] ETSI EN 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [24] ITU-T Recommendation E.164:" The international public telecommunication numbering plan".
- [25] ISO/IEC 9646-1: "Information Technology-Open Systems Interconnection- Conformance testing methodology and framework, Part 1: General Concepts".
- [26] ETSI TS 100 548 (GSM 03.88): "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services Stage 2 (GSM 03.88 Release 1998)".
- [27] ITU-T Recommendation Q.699: "Interworking between the digital Subscriber Signalling System Layer 3 protocol and the Signalling System No.7 ISDN User part".
- [28] ITU-T Recommendation Q.764: "Signalling System No. 7-ISDN User Part signalling procedures".

- [29] ETSI TS 122 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 Release 5)".
- [30] ETSI TS 122 084: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) supplementary service; Stage 1 (3GPP TS 22.084 Release 5)".
- [31] ETSI TS 122 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary services; Stage 1 (3GPP TS 22.085 Release 5)".
- [32] ETSI TS 123 034: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 2 (3GPP TS 23.034 Release 5)".
- [33] ETSI TS 123 081: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 2 (3GPP TS 23.081 Release 5)".
- [34] ETSI TS 123 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 2 (3GPP TS 23.082 Release 5)".
- [35] ETSI TS 123 083: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 (3GPP TS 23.083 Release 5)".
- [36] ETSI TS 123 084: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) Supplementary Service; Stage 2 (3GPP TS 23.084 Release 5)".
- [37] ETSI TS 123 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) Supplementary Service; Stage 2 (3GPP TS 23.085 Release 5)".
- [38] ETSI TS 123 087: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 Release 5)".
- [39] ETSI TS 123 088: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Service; Stage 2 (3GPP TS 23.088 Release 5)".
- [40] ETSI TS 124 008: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 (3GPP TS 24.008 Release 5)".
- [41] ETSI TS 124 011: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface (3GPP TS 24.011 Release 5)".
- [42] ETSI TS 124 081: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification Supplementary Service; Stage 3 (3GPP TS 24.081 Release 5)".
- [43] ETSI TS 124 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding supplementary service; Stage 3 (3GPP TS 24.082 Release 5)".
- [44] ETSI TS 124 083: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3 (3GPP TS 24.083 Release 5)".

- [45] ETSI TS 124 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) Supplementary Service; Stage 3 (3GPP TS 24.085 Release 5)".
- [46] ETSI TS 124 087: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Stage 3 (3GPP TS 24.087 Release 5)".
- [47] ETSI TS 124 093: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Completion to Busy Subscriber (CCBS); Stage 3 (3GPP TS 24.093 Release 5)".
- [48] ETSI TS 129 007: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (3GPP TS 29.007 Release 5)".
- [49] ETSI TS 127 001: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (3GPP TS 27.001 Release 5)".
- [50] ETSI TS 129 002: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Mobile Application Part (MAP) specification (3GPP TS 29.002 Release 5)".
- [51] ETSI EN 300 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); Digital cellular telecommunications system (Phase 2); Application of ISDN User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.12)".
- [52] ETSI TS 122 086: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 1 (3GPP TS 22.086 Release 5)".
- [53] ETSI TS 122 003: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 Release 5)".
- [54] ETSI ETS 300 604: "Digital cellular telecommunications system (Phase 2) (GSM); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (GSM 09.07)".
- [55] ETSI EN 300 001: "Attachments to the Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".
- [56] ETSI ETS 300 648: "Public Switched Telephone Network (PSTN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".
- [57] ETSI EN 300 659: "Access and Terminals (AT); Analogue access to the Public Switched Telephone Network (PSTN); Subscriber line protocol over the local loop for display (and related) services".
- [58] ITU-T Recommendation Q 735: "Stage 3 description for community of interest supplementary services using Signalling System No. 7".
- [59] ETSI TBR 008: "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice; Attachment requirements for handset terminals".
- [60] ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
- [61] ETSI ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

[62]	ETSI ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30)".
[63]	ETSI ETS 300 649: "Public Switched Telephone Network (PSTN); Calling Line Identification Restriction (CLIR) supplementary service; Service description".
[64]	ETSI ETR 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
[65]	ITU-T Recommendation E.163: "Numbering plan for the international telephone service".
[66]	ETSI ETS 300 577: "Digital cellular telecommunications system (Phase 2) (GSM); Radio transmission and reception (GSM 05.05)".
[67]	ETSI EN 302 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Digital cellular telecommunications system (Phase 2+); Application of ISDN User Part (ISUP) version 3 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.14 Release 1998)".
[68]	ETSI ETS 300 196: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol".
[69]	ITU-T Recommendation Q.734.1: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Conference calling".
[70]	ETSI EN 300 065-1: "ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 1: Technical characteristics and methods of measurement".
[71]	ETSI EN 300 646: "Integrated Services Digital Network (ISDN); Signalling System No.7; signalling interface".
[72]	ETSI EN 300 065: "ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX)".

3 Definitions

3.1 Definitions related to conformance testing

For the purposes of the present document, the following terms and definitions apply:

Abstract Test Case (ATC): Refer to ISO/IEC 9646-1 [25].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [25].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [25].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [25].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [25].

lower tester: Refer to ISO/IEC 9646-1 [25].

point of control and observation: Refer to ISO/IEC 9646-1 [25].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [25].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [25].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [25].

test purpose: Refer to ISO/IEC 9646-1 [25].

3.2 Definitions related to test purpose descriptions

For the purposes of the present document, the following terms and definitions apply:

Alternate speech and facsimile group 3 (TS 61): tteleservice which allows the connection of ITUgroup 3 fax apparatus (send and/or receive) to the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to/from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

Alternate Speech/Data: provides the capability to swap between speech and data during a call

- NOTE 1: If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used for the duration of the call.
- NOTE 2: The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means must be provided to select the speech/data capability.

Automatic Facs. group 3 (TS 62): teleservice which allows connection of ITUgroup 3 fax apparatus to and from the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to and from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

BC=speech: Bearer Capability information element with its information transfer capability field set to "speech" and its user information layer one protocol field set to "G.711 A-law"

BC=3,1 kHz audio: Bearer Capability information element with its information transfer capability field set to "3,1 kHz Audio" and its user information layer one protocol field set to "G.711 A-law"

BC=UDI: Bearer Capability information element with its information transfer capability set to "unrestricted digital information"

BC=UDI/TA: Bearer Capability information element with its information transfer capability set to "unrestricted digital information with tones/announcements" and its user information layer one protocol field set to "Recommendations H.221 and H.242"

BC=V110/X30: Bearer Capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "ITUstandardized rate adaption V.110/X.30", including sync/async and user rate values

CF active: Call Forwarding (U, B or NR) supplementary service already activated with the address of user C

CUG default request: the Calling User does not include in the outgoing SETUP message a explicit request for the CUG supplementary service

GSM-BC=3,1kHz (External to the PLMN): used to select a "3,1 kHz audio" interworking function at the MSC

- NOTE 1: This service category is used when interworking with the ISDN or PSTN "3,1 kHz audio" service and includes the capability to select a modem at the interworking function.
- NOTE 2: "External to the PLMN" indicates that the "3,1 kHz audio" service is only used outside of the PLMN, in the ISDN/PSTN. The connection within the PLMN, user access point to the interworking function, is an unrestricted digital connection.

GSM-BC=Speech (TS 11): service which provides the transmission of speech information and audible signalling tones of the PSTN/ISDN

NOTE: In the GSM PLMN and the fixed network processing technique appropriate for speech such as analogue transmission, echo cancellation and low bit rate voice encoding may be used.

GSM-BC=UD: Unrestricted Digital Information (UDI) which provides the transfer of unrestricted digital information

GSM-Bearer service categories: all bearer service categories provide information transfer between R/S reference points and allow the use of sub-rate information streams which are rate adapted

GSM teleservices: teleservices supported by a GSM PLMN described by a number of attributes which are intended to be largely independent

NOTE: They are grouped into five categories: - High layer attributes-Low layer attributes (describing the Bearer

capabilities which support the Teleservice). - information transfer attributes, - access attributes. - General attributes

HLC = **Facsimile G2/G3:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (Rec. F.182)"

HLC = **facsimile group 4:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 4 class 1"

HLC = **telephony:** High Layer Compatibility information element with its high layer characteristics identification field set to "telephony"

HLC = **telex:** High Layer Compatibility information element with its high layer characteristics identification field set to "telex"

HLC = **videotelephony_ic:** High Layer Compatibility information element with its high layer characteristics identification field set to "videotelephony" and its extended audiovisual characteristics field set to "capability set of initial channel of Rec. H.221"

NOTE: See ITU-T Recommendation F.721.

LLC = **telematic_term:** Low Layer Compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208"

LLC = **V110/X30:** Low Layer Compatibility information element with its user information layer 1 field indicating "ITUstandardized rate adaption V.110/X.30" and including sync/async and user rate values

LLC = **voice band data via modem:** Low Layer Compatibility information element with its user information layer 1 field indicating a "modem type" coding

speech followed by data: provides a speech connection first and then at some time while the call is in progress, the user can switch to a data connection

NOTE: The user cannot switch back to speech after the data portion. If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used from the start of the call. The network may then change to a half rate channel for the data portion.

UI length = 32: length of the User Information field of the User-user information element, which is 35 octets

4 Abbreviations

For the purpose of the present document the following abbreviations apply:

ATS Abstract Test Suite
3PTY Three-ParTY conference
AIN Advanced Intelligent Network
AMPS Advanced Mobile Phone Service
ANSI American National Standards Institute
BC Bearer Capability information element

BNF Backus-Naur Form BS Base Station

BSC Base Station Controller
BSG Basic Service Group
BSS Base Station Sub-system
BSS Base Station System
BSSMAP BSSMAnagement Part

ETSI

BTS Base Transceiver Station

CAMEL Customized Applications for Mobile network Enhanced Logic

CD Call Deflection

CDMA Code Division Multiple Access

CFB Call Forwarding Busy

CFNR Call Forwarding No Response

CFNRc Call Forwarding on mobile subscriber Not Reachable

CFNRy Call Forwarding on No ReplY CFU Call Forwarding Unconditional

CI CUG Index

CLIP Calling Line Identification Presentation
CLIR Calling Line Identification Restriction

CN Core Network

COLP COnnected Line identification Presentation COLR COnnected Line identification Restriction

CONF CONFerence (add-on)
CS1 Capability Set-1
CUG Closed User Group
CW Call Waiting

DECT Digital Enhanced Cordless Telecommunications

DHCP Dynamic Host Configuration Protocol
DTAP Direct Transfer Application Part

ECT Explicit Call Transfer
ESR Eroded Seconds Ratio
FE Functional Entity
FPH FreePHone service

FPLMTS Future Public Land Mobile Telecommunication Systems

FTAM File Transfer Access & Management GGSN Serving GPRS Support Node GII Global Information Infrastructure

GK GateKeeper GMSC Gateway MSC

GSM Global System for Mobile communication

GW GateWay

H/V-PLMN Home/Visited PLMN

HLC High Layer Compatibility information element

HLR Home Location Register

HPLMN Home Public Land Mobile Network

IA Incoming Access

ICB Incoming Calls Barred within a CUG
IMSI International Mobile Subscriber Identity

IMT-2000 International Mobile Telecommunications ñ 2000

IMUI International Mobile User Identity

IN Intelligent Network

INAP Intelligent Network Application Part

IP Internet Protocol
IPCP IP Control Protocol

ISDN Integrated Services Digital Network

ISUP ISDN User Part

IUT Implementation Under Test IWF InterWorking Function

IWMSC InterWorking Mobile Switching Centre

LAN Locale Access Network

LLC Low Layer Compatibility information element

MAP Mobile Application Part
MCID Malicious Call IDentification
MCU Multipoint Control Unit
MD-BS Mobile Data Base Station
MD-IS Mobile Data Intermediate System

M-ES Mobile End System

MexE Mobile station (application) execution Environment

MGK Mediation GateKeeper

MIN Mobile Identification Number

M-INAP CAMEL Application Part = IN CS-1 Core INAP for CAMEL

MMC Mobile to Mobile Call MOC Mobile Originated Call

MPLMN PLMN responsible for the Management of a CUG spanning over several PLMNs

MS Mobile Station
MS Mobile Subscriber
MSC Mobile Switching Center
MSISDN Mobile Station ISDN number
MSRN Mobile Station Roaming Number

MT Mobile Terminal
MT Mobile Terminated
MTC Mobile Terminated Call
MTP Message Transfer Part

NAMPS Narrowband Advanced Mobile Phone Service

NIT Network Integration Testing
NNI Network to Network Interface

NPA Numbering Plan Area (area code) used in the north america dialling plan

NPI = unknown Numbering Plan Identification coded as "unknown"

NSS Network Sub System

OCB Outgoing Calls Barred within a CUG

ONP Open Network Provision
OSI Open Systems Interconnection

PC Preferential CUG
PCCH Paging Control CHannel

PCS Personal Communications Service (system)

PDN Public Data Network
PDP Packet Data Protocol
PI Presentation Indicator

PI = PR Presentation Indicator coded as "Presentation Restricted"
PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing

PLMN Public Land Mobile Network
PPP Point to Point Protocol
PRA Primary Rate Access

PSTN Public Switched Telephone Network

QoS Quality of Service

RADIUS Remote Authentication Dial In User Service

RAN Radio Access Network

RAS Registration, Admission and Status RTP Real-time Transport Protocol

SCCP Signaling Connection and Control Part

SCF Service Control Function
SCN Switched Circuit Networks
SCP Service Control Point
SDP Session Description Protocol
SESr Severely Eroded Seconds
SGSN Serving GPRS Support Node

SI Screening Indicator

SI = NP Screening Indicator coded as "Network Provided"

SI = UPVP Screening Indicator forwarded to the served user coded as "User-Provided, Verified and Passed"

SIM Subscriber Identification Module SME Service Mediation Environment

SMS Short Message Service
SS Supplementary Service
SS7 Signalling System number 7
SSP Service Switching Point

SUB SUBaddressing TC Test Case

TCAP Transaction Capabilities Application Part
TCP/IP Transmission Control Protocol/Internet Protocol
TD-CDMA Time Division Code Division Multiple Access

TDMA Time Division Multiple Access
TMSI Temporary Mobile Subscriber Identity

TON Type Of Number

TON = international Type Of Number coded as "international" TON = unknown Type Of Number coded as "unknown"

TP Terminal Portability

TP Test Plant

TSS Test Suite Structure

TSS&TP Test Suite Structure and Test Purposes

TUP Telephony User Part

UD Unrestricted Digital information

UDñTA Unrestricted Digital information with Tones/Announcements

UDP User Datagram Protocol UIM User Identity Module

UMTS Universal Mobile Telecommunications System

UNI User to Network Interface

UPT Universal Personal Telecommunications
UTRAN UMTS Terrestrial Radio Access Network

UUS User-to-User Signalling

UUS1 UUS service 1 UUS2 UUS service 2 UUS3 UUS service 3

VHE Virtual Home Environment VLR Visitor Location Register

VPLMN Visited Public Land Mobile Network

WCDMA Wideband CDMA

WIN Wireless Intelligent Network XDSL X Digital Subscriber Line

5 Numbering Scheme

Pos. 1: Network of the A-Subscriber
Pos. 2: Network of the B-Subscriber
Pos. 3: Network of the C-Subscriber
Pos. 4: Network of the D-Subscriber
Pos. 5: Network of the E-Subscriber

The following Network Codes apply:

_:No such network used (used e.g. for C-Subscriber in successful A to B Calls)

(underscore makes it easier to read the name)

P: PSTN I: ISDN

G: GSM (w/HCSCD & GPRS)

E: EDGE

U: UTRAN (UMTS)
N: IP Network

(Extensions will be added when needed)

Pos. 6 and 7: Bearer-or Teleservice involved

xx: defined per PIXIT value

NOTE: This may be appropriate for Test Purposes (provided the Test Purpose states for which Bearer-and/or Tele

Services it should be tested). It is however NOT appropriate for Test Cases since it would be detrimental

to Test Automation

SP: Speech AU: 3,1 kHz Audio

UD: UDI UT: UDI/TA FX: Facsimile G3

AF: Alternate speech and facsimile group 3

AD: Alternate Speech/Data (S&D)

(use of & should be avoided due to its special meaning to UNIX systems)

FD: Speech followed by data (SfD)
EC: Emergency Calls (EmC)
HA: HSCSD ñ 3,1 kHz audio

HU: HSCSD ñ UDI

Packet Services

PP: SMS-PP
CB: SMS-CB
GI: GPRS (IP)
NT: IP Network TCP
NU: IP Network UDP

Pos. 8 and 9:

__: No Supplementary Services Involved/Successful _U: No Supplementary Services Involved/Unsuccessful

SS: Supplementary Services Involved SI: Supplementary Services interaction

SN: Nonsymmetrical Supplementary Services Involved

ST: Supplementary Services transparent

Other services

O_: No Supplementary Services Involved/Basic Call Successful/Other services
OU: No Supplementary Services Involved/Basic Call Unsuccessful/Other services

OS: Supplementary Services Involved/Other services
OI: Supplementary Services interaction/Other services

ON: Non symmetrical Supplementary Services Involved/Other services

OT: Supplementary Services not impact by IN/Other services

Pos. 10 to 20: YYYY Name of individual Test Group (if needed) If supplementary services are involved the

following codes are used.

Services	Name of individual Test Group
3PTY	3PTY
Call Barring services	CBS
Call Barring services outgoing	CBSo
CCBS	CCBS
CD	CD
CFB	CFB
CFNR	CFNR
CFU	CFU
CLIP	CLIP
CLIR	CLIR
COLP	COLP
COLR	COLR
CONF	CONF
CUG	CUG
CW	CW
ECT	ECT
HOLD	HOLD
MCID	MCID
MPTY	MPTY
SUB	SUB
TP	TP
UUS1	UUS1
UUS1 implicit	UUS1i
UUS1 explicit	UUS1e

Pos. Last two positions XX Number of individual Test Purpose

EXAMPLES:

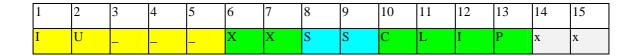
Basic Call

Speech IU__SP_xx



Supplementary Services

CLIP IU__xxSSCLIP xx



6 Test Suite Structure (TSS)

6.1 ISDN to UMTS

	C ñ Plane/UñPlane				
ISDN ñ UMTS	Basic_Call	Successful	Speech	IU	SP xx
			3,1 kHz audio	IU	AU xx
			UDI	IU	UD xx
			UDI - TA	IU	UT_xx
		Unsuccessful	Speech	IU_	_SP_Uxx
			3,1 kHz audio	IU_	AU_Uxx
			UDI	IU_	_UD_Uxx
			UDI - TA	IU_	UT_Uxx
	ControlñPlane				
	Supplementary				
	Services		CLIP	IU_	_xxSSCLIP xx
			CLIR	IU_	_xxSSCLIR xx
			COLP	_IU_	_xxSSCOLP xx
			COLR	IU_	xxSSCOLRxx
			CUG	IU_	xxSSCUG xx
			SUB	IU_	_xxSSSUB xx
			CFU	<u>IUI_</u>	
			CFB	IUI_	xxSSCFB xx
			CFNRy	IUI_	
			CFNRc	_IUI_	_xxSSCFNRcxx
			HOLD	_IU_	_xxSSHOLD xx
			CW	<u> IU_</u>	_xxSSCW xx
			UUS CCBS	_IU_	xxSSUUS-xx
				IU_	_xxSSCCBS xx
			Interactions CFU CLI COL		va/CICELlva/
			CFB CLI COL	_IUI_	_xxSICFUxx xxSICFB xx
			CFNRy CLI COL	IUI	
			CFNRc CLI COL	IUI	xxSICFNRc xx
			CUG CFU	IUI	xxSICUG xx
			CFB CW	IUI_	
			Non-symmetrical	101_	
			tests		
			TP	IU	xxSNñTP-xx
			UUS	IU	xxSNUUS-xx
			CONF	IU_	xxSNCONF xx
			3PTY	IU_	xxSN3PTYxx
			ECT	IU_	xxSNECT xx
			Call Barring	IU	xxSNCBS xx
			services	_	
			MPTY	IU	xxSNMPTY xx

6.2 UMTS to ISDN

	C ñ Plane/UñPlane				
UMTS ñ ISDN	Basic_Call	Successful	Speech	UI	SP xx
			3,1 kHz audio ex	UI	_AUxx
			PLMN		
			UDI	UI	_UDxx
			Facsimile G3	UI_	_FXxx
			Alternate speech	UI	_AFxx
			and facsimile		
			group 3		
			Alternate	UI	_ADxx
			Speech/Data		
			Speech followed	UI	_FDxx
			by data	111	FC 197
			Emergency Calls	UI_	EC_xx
		Unsuccessful	Speech	UI	SP Uxx
		,	3,1 kHz audio ex	UI	AU Uxx
			PLMN		
			UDI	UI	UD Uxx
			Facsimile G3	UI_	FX_Uxx
			Alternate speech	UI_	_AF_Uxx
			and facsimile		
			group 3		
			Emergency Calls	UI	EC Uxx
	ControlñPlane				
	Supplementary		OLID	111	· - · 000LID · - ·
	Services		CLIP	UI_	_xxSSCLIP xx
			CLIR COLP	UI_	_xxSSCLIR xx xxSSCOLP xx
			COLP	_UI UI	_xxSSCOLP xx xxSSCOLR xx
			CUG	UI	_xxSSCULH xx xxSSCUG xx
			SUB	UI_	xxSSSUB xx
			CFU	UIU	_
			CFB	UIU	xxSSCFB xx
			CFNR	UIU	xxSSCFNR xx
			HOLD	UI	xxSSHOLD xx
			CW	UI	xxSSCW xx
			UUS	UI	xxSSUUS xx
			CCBS	UI	xxSSCCBS xx
			Interactions		
			CFU CLI COL	UI	xxSICFUxx
			CFB CLI COL	UI	xxSICFB xx
			CFNRy_CLI_COL	UI	xxSIFNRyxx
			CFNRc_CLI_COL	UI_	xxSIFNRcxx
			CUG_CFU	UI_	xxSICUG xx
			CFB_CW	UI_	xxSICFB xx
			Non-symmetrical		
			tests		
			Call Barring	UI	_xxSNCBS xx
			services		
			CD	UI	xxSNCD xx

6.3 PSTN to UMTS

	C ñ Plane/UñPlane				
PSTNñUMTS	Basic_Call	Successful		PU_	AU_xx
		Unsuccessful		PU_	_AU_Uxx
	ControlñPlane				
	Supplementary				
	Services		CLIP	_PU_	_xxSSCLIP xx
			CLIR	PU_	_xxSSCLIR xx
			CUG	PU_	_xxSSCUG xx
			CFU	PU_	xxSSCFUxx
			CFB	PU_	_xxSSCFB xx
			CFNRy	PU_	xxSSCFNRy
				XX	
			CFNRc	PU_	_xxSSCFNRcx
				Х	
			CCBS	PU_	_xxSSCCBS
				XX	
			non-symmetrical tests		
			Call Barring services	PU_	_xxSNCBS-xx
			MPTY	PU_	xxSNMTPYxx

6.4 UMTS to PSTN

	C ñ Plane/UñPlane			
UMTS-PSTN	Basic_Call	Successful	Speech	UPSP_xx
			3,1 kHz audio ex	UPAU_xx
			PLMN	
			Facsimile G3	UPFX_xx
			Alternate speech	UPAF_xx
			and facsimile	
			group 3	
			Emergency Calls	UP EC xx
		Unsuccessful	Speech	UPSP_Uxx
			3,1 kHz audio	UPAU_Uxx
			Facsimile G3	UPFX_Uxx
			Alternate speech	UPAF_Uxx
			and facsimile	
			group 3	LID. AD III
			AD	UPAD_Uxx
			Emergency Calls	UPEC_Uxx
			HSCSD ñ 3,1 kHz audio	UPHA_Uxx
			HSCSD ñ UDI	UP HU Uxx
	ControlñPlane		ווטטוו שכטטוו	UP HU Uxx
	Supplementary			
	Services		CLIP	UP xxSSCLIP xx
	00111003		CLIR	UP xxSSCLIR xx
			COLR	UP xxSSCOLRxx
			CUG	UP xxSSCUG xx
			CFU	UPU xxSSCFUxx
			CFB	UPU xxSSCFB xx
			CFNR	UPU xxSSCFNR
				XX XX
			CCBS	UP xxSSCCBS
				XX
			non-symmetrical	
			tests	
			MCID	UPxxSNMCID xx
			MPTY	UPxxSNMPTYxx
			Call barring	UP_xxSNCBSxx
			services	

6.5 GSM (Phase 2 +) - UMTS (UTRAN)

6.5.1 Support of circuit-switched call control services

Basic_Call	Successful		
	Successiui	Speech	GUSPxx
		3,1 kHz audio ex PLMN	GUAUxx
		UDI	GU UD xx
		Facsimile G3	GU FX xx
		Alternate speech and facsimile	GUAFxx
		Alternate Speech/Data	GUADxx
		Speech followed by data	GUFDxx
		HSCSD ñ 3,1 kHz	GUHAxx
		HSCSD ñ UDI	GU HU xx
	Unsuccessful	Speech	GUSP_Uxx
		3,1 kHz audio ex PLMN	GUAU_Uxx
		UDI	GUUD_Uxx
		Facsimile G3	GUFX_Uxx
		Alternate speech and facsimile	GUAF_Uxx
ControlñPlane Supplementary		group 3	
		CLIP	GUxxSSCLIP xx
		CLIR	GUxxSSCLIR xx
		COLP	GUxxSSCOLP xx
		COLR	GUxxSSCOLR xx
		CUG	GUxxSSCUG xx
		SUB	GUxxSSSUB xx
		CFU	GUG_xxSSCFUxx
		CFB	GUG_xxSSCFB xx
		CFNRy	GUG_xxSSCFNRy xx
		CFNRc	GUG_xxSSCFNRc xx
		HOLD	GUxxSSHOLD xx
		CW	GUxxSSCW xx
		UUS	GUxxSSUUS xx
		MPTY	GUxxSSMPTY xx
		Call Barring Services	GUxxSSCBS xx
		CCBS	GU xxSSCCBS xx
	ControlñPlane Supplementary Services	ControlñPlane Supplementary	UDI Facsimile G3 Alternate speech and facsimile group 3 Alternate Speech/Data Speech followed by data HSCSD HSCSD ñ 3,1 kHz audio HSCSD ñ UDI Unsuccessful Speech 3,1 kHz audio ex PLMN UDI Facsimile G3 Alternate speech and facsimile group 3 ControlñPlane Supplementary Services CLIP CLIR COLP COLR CUG SUB CFU CFB CFNRy CFNRc HOLD CW UUS MPTY Call Barring

6.5.2 Support of packet services

Packet Services				
GSM ñ UMTS	ControlñPlane	Successful	SMS - PP	GUPPxx
			SMS - CB	GUG_CB_xx

6.6 UMTS to GSM (Release 99)

6.6.1 Support of circuit-switched services

	C ñPlane/UñPlane			
UMTS ñ GSM	Basic_Call	Successful	Speech	UGSP_xx
			3,1 kHz audio ex PLMN	UGAU_xx
			UDI	UGUDxx
			Facsimile G3	UGFXxx
			Alternate speech	UGAF_xx
			and facsimile	
			group 3	
			Alternate	UGAD_xx
			Speech/Data	
			Speech followed	UGFD_xx
			by data	
		Unsuccessful	Speech	UGSP_Uxx
		Ulisuccessiui	3,1 kHz audio ex	UGAU_Uxx
			PLMN	
			UDI	UGUD_Uxx
			Facsimile G3	UGFX_Uxx
			Alternate speech	UGAF_Uxx
			and facsimile	
	0		group 3	
	ControlñPlane Supplementary			
	Services		CLIP	UG xxSSCLIP xx
	OCI VIOCO		CLIR	UG xxSSCLIR xx
			COLP	UG xxSSCOLP xx
			COLR	UG xxSSCOLR xx
			CUG	UG xxSSCUG xx
			SUB	UG xxSSSUB xx
			CFU	UGU_xxSSCFUxx
			CFB	UGU_xxSSCFB xx
			CFNRy	UGU_xxSSCFNRy xx
			CFNRc	UGU_xxSSCFNRc xx
			HOLD	UGxx SSHOLD xx
			CW	UGxxSSCW xx
			UUS	UGxxSSUUS xx
			MPTY	UGxxSSMPTY xx
			Call Barring	UGxxSSCBS xx
			Services	
			CCBS	UGxxSSCCBS xx

6.6.2 Support of packet services

Packet Services				
UMTS ñ GSM	ControlñPlane	Successful	SMS-PP	UGPPxx
			SMS-CB	UGU_CB_xx

6.7 UMTS to UMTS

6.7.1 Support of circuit-switched services

UMTS ñ	ControlñPlane			
JMTS	Basic_Call	Successful	Speech	UUSP_xx
			3,1 kHz audio ex PLMN	UUAUxx
			UDI	UUUD_xx
			Facsimile G3	UUFX_xx
			Alternate speech	UUAF_xx
			and facsimile group 3	
			Alternate	UU AD xx
			Speech/Data	<u> </u>
			Speech followed	UU FD xx
			by data	
		Unsuccessful	Speech	UUSP_Uxx
			3,1 kHz audio ex PLMN	UUAU_Uxx
			UDI	UUUD_Uxx
			Facsimile G3	UU FX Uxx
			Alternate speech	UU AF Uxx
			and facsimile	 _
			group 3	
	ControlñPlane Supplementary			
	Services		CLIP	UUxxSSCLIP xx
			CLIR	UUxxSSCLIR xx
			COLP	UUxxSSCOLP
			COLR	UUxxSSCOLR xx
			CUG	UU xxSSCUG xx
			SUB	UU xxSSSUB xx
			CFU	UUU xxSSCFUx
			CFB	UUUxxSSCFB
			CFNRy	UUUxxSSCFNR yxx
			CFNRc	UUUxxSSCFNR
			HOLD	UUxxSSHOLD
			CW	UUxxSSCW xx
			UUS	UU xxSSUUSxx
			MPTY	UU xxSSMPTYx
			Call Barring Services	UUxxSSCBSxx
			CCBS	UUxxSSCCBS
				XX

6.7.2 Support of packet services

Packet Services

Services				
UMTS ñ UMTS	ControlñPlane	Successful	SMS-PP	UUPPxx
			SMS-CB	UUU CB xx

7 Test purposes

7.1 Test purposes for ISDN to UMTS

7.1.1 Test purposes for ISDN to UMTS, Basic call

7.1.1.1 Successful

Successful	
Speech	

IUSP01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successfu	l/Speech
ISDN selection	Speech	
criteria:		
GSM selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
GSM parameter values:	GSM-BC=speech, no HLC	
Comments:		

III CD 00	ISDN ref. to:	PLMN ref. to:
IUSP02		
	EN 300 403-1, clause 5.1.5.2	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Success	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

IUSP_03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.3.3	TS 124 008, clause 5.2.2	
		TS 129 007, clause 10.2.2	
TSSreference:	ISDN-UMTS/Basic_call/Successful	/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that the call establishment and the call clearing procedure is performed correctly when the calling user clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=speech, no HLC		
values:			
PLMN parameter	GSM-BC=speech, no HLC		
values			
Comments:			

IUSP04	ISDN ref. To:	PLMN ref. to:	
	EN 300 403-1, clause 5.3.3	TS 124 008, clause 5.2.2	
		TS 129 007, clause 10.2.2	
TSSreference:	ISDN-UMTS/Basic_call/Succes	sful/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing". The DISCONNECT message may contain the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.		
ISDN parameter values:	BC=speech, no HLC		
PLMN parameter values	GSM-BC=speech, no HLC		
Comments:			

IUSP_05	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2
	TBR 008, clause 5.1.3,	TS 129 007, clause 10.2.2
	EG 210 018, clause 6.3.1	TS 127 001, clause B.2.8
TSSreference:	ISDN-UMTS/Basic call/Successful	/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, HLC = telephony	
values:	·	
PLMN parameter	GSM-BC=speech, HLC = telephon	y
values		
Comments:		

Successful 3,1 kHz audio

IUAU_01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.1.5.1	TS 124 008	
		TS 129 007, clause 10.2.2	
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
GSM selection criteria:	Audio, Multi-numbering Scheme, TS 11		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=3,1 kHz audio, no HLC		
values:			
GSM parameter values:	GSM-BC=speech		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR		

IUAU_02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008, clause 5.2.2
		TS 129 007, clause 9.2.2, 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter		
values		
Comments:	The call set-up to the mobile will no	ot contain a GSM-BC element

IUAU_03	ISDN ref. To: EN 300 403-1, clause 5.1.5.2	PLMN ref. to: TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 EN 300 899, clause 2.1.1.7 table 19	
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio, Multi-numbering Scheme, T		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending and the call clearing procedure is performed correctly when the called user clears after answering with a DISCONNECT message indicating the cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channel is performed correctly.		
ISDN parameter	BC=3,1 kHz audio, no HLC		
values:			
PLMN parameter values:	GSM-BC=speech		
Comments:	The call set-up to the mobile will costored in the VLR	intain a GSM BC mapped from the BC/LLC/HLC	

IUAU04	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 5.1.5.2 TS 124 008, clause 5.2.2	
	TS 129 007, clause 9.2.2, clause 10.2.2	
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channel is performed correctly.	
ISDN Parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN Parameter		
values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element	

IUAU05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.6	TS 124 008, clause 5.2.2.4, clause 10.5.4.21
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme, T	S 11
criteria:	_	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to	
	the called MS.	
ISDN parameter	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
values:		
PLMN parameter	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
values:		
Comments:		ntain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR and the progress	value #3 "origination address is non ISDN".
	The progress indicator information	element is transported in the Access Transport
	parameter of the initial address me	ssage (IAM). The access transport parameter will be
	transported transparently. It is the i	esponsibility of the end points to ensure compatibility.

IUAU06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.6	TS 124 008, clause 5.2.2.4, clause 10.5.4.21
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	To verify that progress information	in the ISDN-SETUP can be transported correctly to
	the called MS (single-numbering so	cheme).
		te (N4) the transfer of tone or announcement on the
	B-channel is performed correctly.	
	Ensure that in the active call state ((N10) the data transfer on the traffic and B-channels is
	performed correctly.	
ISDN parameter	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, progress value	
values:	#3 "origination address is non ISDN".	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, LLC = 3,1 kHz audio,	
values:	voice band data via modem, progre	ess value #3 "origination address is non ISDN".
Comments:		

IUAU_07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
		TS 127 001, clause B.2.10
TSSreference:	ISDN-UMTS/Basic call/Successfu	l/3,1 kHz audio
ISDN selection criteria:	Telefax G3 terminals;	
PLMN selection criteria	TS 61	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in two GSM BC-IE preceded by a repeat indicator, one representing speech, the other representing facsimile group 3. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN Parameter	BC=3,1 kHz audio, HLC = Facsimi	le G2/G3
values:		
PLMN Parameter	first GSM-BC=speech	
values	second GSM-BC= facsimile G3, H	LC = Facsimile G2/G3
Comments:		

IU AU 08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2
	,	TS 129 007, clause 10.2.2,
		case 3 in HLR,
		case 5 in VMSC)
		TS 127 001, clause B.2.11
TSSreference:	ISDN-UMTS/Basic call/Successful	/3,1 kHz audio
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3.	
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
values:		
Comments:		

IUAU_09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
		TS 127 001, clause B.2.10
TSSreference:	ISDN-UMTS/Basic call/Successfu	I/3,1 kHz audio
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	Single numbering Scheme, TS 62	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN Parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN Parameter	GSM-BC= facsimile G3, HLC = Fa	csimile G2/G3
values		
Comments:		

IU AU 10	ISDN ref. to:	PLMN ref. to:	
107010	EN 300 403-1, clause 4.5.5	TS 124 008, clause 5.2.2	
	EN 300 403-1, clause 4.5.5		
		TS 129 007, clause 10.2.2	
		TS 127 001, clause B.1.2	
TSSreference:	ISDN-UMTS/Basic_call/Successful	/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that the ISDN SETUP with	the BC parameter value information transfer	
	capability 3,1 kHz audio, voice ban	d data via modem, synchronous/asynchronous mode	
		SER RATE is correctly mapped and correctly	
	delivered to the	_ , , , ,	
	GSM BC with the parameter va	lues: information transfer capability 3,1 kHz audio ex	
		PLMN, voice band data via modem, synchronous/asynchronous mode is set to	
	MODE,/user rate set to G USER I		
		e that the data transfer on the traffic and B-channels is	
		e that the data transfer on the traffic and b-charmers is	
1001	performed correctly.		
ISDN parameter	BC = 3,1 kHz audio, voice band da		
values:	synchronous/asynchron	ous mode: MODE	
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN,	voice band data via modem,	
values:	synchronous/asynchron	ous mode: MODE	
	fix network user rate: G US		
Comments:	The test is not applicable for ETS 3	300 102-1 implementations.	
		4.5.5 note 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC	
		either of the ITUstandardized rate adaption	
	V.110/X.30 or V.120.	one of the continue and the data phone	
	V.110/7.00 01 V.120.		

IU AU 11	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 4.5.18 TS 124 008, clause 5.2.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, clause B.2.3	
TSSreference:	ISDN-UMTS/Basic call/Successful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the ISDN SETUP with the BC parameter value information transfer capability 3,1 kHz audio and the LLC parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the GSM BC with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and the LLC with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio,	
values:	LLC= 3,1 kHz audio, voice band data via modem,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC= 3,1 kHz audio, voice band data via modem,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

IU AU 12	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.18	TS 124 008, clause 5.2.2
	·	TS 129 007, clause 10.2.2
		TS 127 001, clause B.2.3
TSSreference:	ISDN-UMTS/Basic call/Successful	/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	Audio	
Test purpose:	capability 3,1 kHz audio voice band is set to MODE, user rate set to US and the LLC parameter values: 3,1 synchronous/asynchronous mode is correctly mapped and correctly del GSM BC with the parameter van PLMN, voice band data via modern user rate set to G_USER_RATE artransfer capability 3,1 kHz audio, v synchronous/asynchronous mode is	kHz audio, voice band data via modem, is set to MODE, user rate set to USER_RATE is ivered to the illues: information transfer capability 3,1 kHz audio ex n, synchronous/asynchronous mode is set to MODE, and the LLC with the parameter values: information
ISDN parameter	BC=LLC=3,1 kHz audio, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE	
	user rate: USER RATE	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN,	voice band data via modem,
values:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC= 3,1 kHz audio, voice band	
	synchronous/asynchron	ous mode: MODE
	user rate: USER_RATE	
Comments:	The test is not applicable for ETS 3	
		.5.5 note 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC
		either of the ITUstandardized rate adaption
	V.110/X.30 or V.120.	

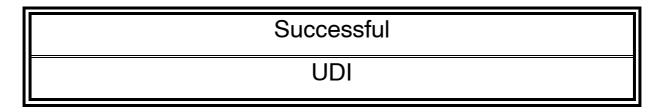
Values for test purposes IUAU_	_10; IUAU11; IUAU12
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

IUAU_13	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic call/Successfu	I/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN	, voice band data via modem ACCESS_RATE (PIXIT)
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

IUAU14	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008
	clause 5.2	TS 129 007, clause 10.2
		TS 123 034
TSSreference:	ISDN-UMTS/Basic call/Successful	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
GSM selection	3,1 kHz	
criteria:		
Test purpose:	Ensure that the ISDN BC with the p	parameter values: information transfer capability 3,1
	kHz audio, voice band data via mo	dem, synchronous/asynchronous mode is set to
	MODE, user rate set to USER RAT	TE is correctly mapped and correctly delivered to the
	GSM BC with the parameter values: information transfer capability 3,1 kHz audio ex	
	PLMN, voice band data via modem	n, synchronous/asynchronous mode is set to MODE,
	fix network user rate set to FNU_R.	ATE.
	In the active call state (N10) ensure	e that the data transfer on the traffic and B-channels is
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, voice band data	a via modem,
values:	synchronous/asynchron	ous mode: MODE
	user rate: USER_RATE	
GSM parameter	GSM-BC=3,1kHz audio ex PLMN,	voice band data via modem
values:	synchronous/asynchrone	
	fix network user rate: FNU_	RATE
Comments:		

IU AU 15	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic call/Successful	,
ISDN selection	Bearer service 3,1 kHz audio	
criteria:	,	
GSM selection	3,1 kHz	
criteria:		
Test purpose:	Ensure that the ISDN SETUP with the	he BC parameter value information transfer
	capability 3,1 kHz audio and the LL	C parameter values: 3,1 kHz audio, voice band data
		nous mode is set to MODE, user rate set to
	USER_RATE is correctly mapped a	and correctly delivered to the GSM BC with the
	parameter values: information trans	fer capability 3,1 kHz audio ex PLMN, voice band
	data via modem, synchronous/asyr	chronous mode is set to MODE, fix network user rate
	set to FNU_RATE and the LLC with	the parameter values: information transfer capability
	3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to	
	MODE, user rate set to USER RATE.	
	In the active call state (N10) ensure	that the data transfer on the traffic and B-channels is
	performed correctly.	
ISDN parameter	BC = 3,1 kHz audio,	
values:	LLC = 3,1 kHz audio, voice band data via modem,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
GSM parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
values:	synchronous/asynchronous mode: MODE	
	fix network user rate: FNU RATE	
	LLC= 3,1 kHz audio, voice band data via modem,	
	synchronous/asynchrono	
	user rate: USER_RATE	

Values for test purpose IUAU_14 and IUAU_	15
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
VA_02	MODE: synchronous
	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
VA_03	MODE: synchronous
	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
VA_04	MODE: synchronous
	USER RATE: 32 kbit/s
	FNU RATE: 32 kbit/s
VA_05	MODE: synchronous
	USER RATE: 33.6 kbit/s
	FNU RATE: 33.6 kbit/s
VA 06	MODE: synchronous
VA_00	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
VA_07	MODE: synchronous
VA_VI	USER RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
VA_08	MODE: synchronous
VA_00	USER RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
VA_09	MODE: synchronous
VA_03	USER RATE: 64.0 kbit/s
	FNU_RATE: 64.0 kbit/s transparent
VA_10	MODE: asynchronous
VA_10	USER RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
VA_10	MODE: asynchronous
VA_10	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
VA_11	MODE: asynchronous
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
VA_12	MODE: asynchronous
VA_12	USER RATE: 32 kbit/s
	FNU RATE: 32 kbit/s
VA_13	MODE: asynchronous
TA_14	USER RATE: 33.6 kbit/s
	FNU RATE: 33.6 kbit/s
VA_14	MODE: asynchronous
*^_ *	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
VA_15	MODE: asynchronous
V_13	USER RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
	ILINO_UMIE. 30.4 KUIKS



IUUD_01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection	UDI, Multi-numbering Scheme	
criteria:		
Test purpose:	a GSM Basic Service using en-bloc correctly when the calling user clea In the active call state (N10) ensure performed correctly.	out exhaustive compatibility information for deducing c sending and the call clearing procedure is performed ars after answer. The that the data transfer on the traffic and B-channels is
ISDN parameter	BC = UDI, no HLC	
values:		
GSM parameter	GSM-BC = UDI, V.110/X.30,	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

IUUD02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = UDI, no HLC	
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will no	ot contain a GSM-BC element

IUUD_03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.2	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi-numbering Scheme	
criteria:	-	
Test purpose:	a GSM Basic Service using overlap correctly when the called user clea that the data transfer on the traffic	out exhaustive compatibility information for deducing o sending and the call clearing procedure is performed rs after answer. In the active call state (N10) ensure and B-channels is performed correctly.
ISDN parameter	BC = UDI, no HLC	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30,	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ontain a GSM BC mapped from the BC/LLC/HLC

IUUD04	ISDN ref. to: EN 300 403-1, clause 5.1.5.2	PLMN ref. to: TS 124 008, clause 5.2.2
	,	TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic call/Successfu	I/UDI
ISDN selection criteria:	Bearer service UDI	
PLMN selection	UDI, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = UDI, no HLC	
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will n	ot contain a GSM-BC element

IUUD05	ISDN ref. to: EN 300 403-1, clause 4.5.5	PLMN ref. to: TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
		TS 127 001, clause B.1.2
TSSreference:	ISDN-UMTS/Basic call/Successful	/3,1 kHz audio
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	capability UDI, V.110/X.30, synchroset to USER_RATE is correctly ma GSM BC with the parameter values synchronous/asynchronous mode is	the BC parameter value information transfer chous/asynchronous mode is set to MODE, user rate pped and correctly delivered to the s: information transfer capability UDI, V.110/X.30, s set to MODE,/user rate set to G_USER_RATE. The that the data transfer on the traffic and B-channels is
ISDN parameter	B= UDI, V.110/X.30,	
values:	synchronous/asynchronous/ user rate: USER RATE	ous mode: MODE
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:	synchronous/asynchron fix network user rate: G US	
Comments:		

IU UD 06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 4.5.18 TS 124 008, clause 5.2.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, clause B.2.3	
TSSreference:	ISDN-UMTS/Basic call/Successful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:	E II III IODN CETUD III II DO II II II II I	
Test purpose:	Ensure that the ISDN SETUP with the BC parameter value information transfer	
	capability UDI and the LLC parameter values: UDI, V.110/X.30,	
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is	
	correctly mapped and correctly delivered to the	
	GSM BC with the parameter values: information transfer capability UDI, V.110/X.30,	
	synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and	
	the LLC with the parameter values: information transfer capability UDI, V.110/X.30,	
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE.	
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is	
10011	performed correctly.	
ISDN parameter	BC = UDI,	
values:	LLC = UDI, V.110/X.30,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC = UDI, V.110/X.30,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

IU UD 07	ISDN ref. to: PLMN ref. to:		
	EN 300 403-1, clause 4.5.18 TS 124 008, clause 5.2.2		
	TS 129 007, clause 10.2.2		
	TS 127 001, clause B.2.3		
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection criteria:	UDI		
Test purpose:	Ensure that the ISDN SETUP with the BC parameter value information transfer		
	capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE		
	and the LLC parameter values: UDI, V.110/X.30, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly mapped and correctly delivered to the		
	GSM BC with the parameter values: information transfer capability UDI, V.110/X.30,		
	synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and		
	the LLC with the parameter values: information transfer capability UDI, V.110/X.30,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
1001	performed correctly.		
ISDN parameter	BC = LLC = UDI, V.110/X.30,		
values:	synchronous/asynchronous mode: MODE		
DI MAI	user rate: USER_RATE		
PLMN parameter	GSM-BC = UDI, V.110/X.30		
values:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
Commenter	user rate: USER_RATE		
Comments:			

Values for test purposes IUUD05; I	IUUD_06; IUUD_07
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

IUDU08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic call/Successful	
ISDN selection	Bearer service UDI	
criteria:		
GSM selection criteria:	UDI	
Test purpose:	rate adaption V.110/X.30, synchron to USER_RATE is correctly mappe parameter values: information transsynchronous/asynchronous mode s	parameter values: information transfer capability UDI, nous/asynchronous mode set to MODE, user rate set d and correctly delivered to the GSM BC with the sfer capability UDI, rate adaption V.110/X.30, set to MODE, fix network user rate set to FNU_RATE. It is that the data transfer on the traffic and B-channels is
ISDN parameter	BC = information transfer capability	r: UDI,
values:	rate adaption: V.110/X.30,	
	synchronous/asynchronous/	ous mode: MODE,
	user rate: USER_RATE	
GSM parameter	GSM-BC = information transfer cap	pability: UDI
values:	rate adaption: V.110/X.30,	
	synchronous/asynchronous/	
	fix network user rate: FNU_	RATE
Comments:		

IUDU_09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	
ISDN selection	Bearer service UDI	
criteria:		
GSM selection	UDI	
criteria:		
Test purpose:	Ensure that the ISDN SETUP with the BC parameter value: information transfer capability UDI and the LLC with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, user rate set to USER_RATE are correctly mapped and correctly delivered to the GSM SETUP with the GSM-BC with the parameter values: UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, fix network user rate set to FNU_RATE and the LLC with the parameter values UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = information transfer capability: UDI	
values:	LLC = information transfer capability: UDI	
	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mode: MODE,	
	user rate: USER_RATE	
GSM parameter	GSM-BC = information transfer cap	pability: UDI
values:	rate adaptation: V.110/X.30,	
	synchronous/asynchrono	
	fix network user rate: FNU_I	
	LLC = information transfer capa	וטוודץ: טטו
	rate adaptation: V.110/X.30,	ous mode: MODE
	synchronous/asynchronous/ user rate: USER_RATE	JUS MOUE. MODE,
Comments:	userrate. OSER TIMIE	
Comments.	<u> </u>	

Values for test purposes IUUD_08, IUDU_09	
VA_01	MODE: synchronous
	USER RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
VA_02	MODE: synchronous
	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
VA_03	MODE: synchronous
VA_00	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
VA_04	MODE: synchronous
*_\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	USER RATE: 32 kbit/s
	FNU RATE: 32 kbit/s
VA 05	MODE: synchronous
VA_03	USER RATE: 33.6 kbit/s
VA 00	FNU RATE: 33.6 kbit/s
VA_06	MODE: synchronous
	USER_RATE: 28.8 kbit/s
V/A 07	FNU_RATE: 28.8 kbit/s
VA_07	MODE: synchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
VA_08	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
VA_09	MODE: synchronous
	USER_RATE: 64.0 kbit/s
	FNU_RATE: 64.0 kbit/s transparent
VA_10	MODE: asynchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
VA_10	MODE: asynchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
VA_11	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
VA_12	MODE: asynchronous
	USER_RATE: 32 kbit/s
	FNU RATE: 32 kbit/s
VA_13	MODE: asynchronous
	USER RATE: 33.6 kbit/s
	FNU RATE: 33.6 kbit/s
VA_14	MODE: asynchronous
	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
VA_15	MODE: asynchronous
	USER RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
	11.110_10.11E1.30.11Rbit/0

7.1.1.2 Unsuccessful

Unsuccessful Speech

IU SP U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008
	clause 5.3, annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic call/Unsucces	
ISDN selection	Speech	ordi, opecari
criteria:	Opecon	
GSM selection criteria:	TS 11	
Test purpose:		cated number, the network initiate call clearing to the MPLETE or DISCONNECT message indicating cause
ISDN parameter	BC=speech	
values:	·	
GSM parameter		
values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1. In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see ITU-T Recommendation Q.764 clause 2.2). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IUSP_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection		
criteria:		
Test purpose:		when there is no route to destination. The network
		ser with a DISCONNECT message indicating cause
	value #3 "no route to destination" .	
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	In some networks tones or annount (or intermediate exchange) during (cement can be generated in the destination exchange call establishment.
	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal	
	release procedure apply after the in-band information has been connected.	
	The calling user shall receive in the disconnect indication state (N12)	
	the in-band tone/announcement on	the B-channel.

IUSP_U03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2,	TS 124 008, annex H.1.6	
	clause 5.1, annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:		s busy (UDUB) the network initiate call clearing to the	
	calling user with a DISCONNECT	nessage indicating cause value #17 "user busy".	
ISDN parameter	BC=speech	BC=speech	
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy")		
	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12)		
	the in-band tone/announcement or	the B-channel.	

IUSP_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1,	TS 124 008, annex H.1.6
	clause 5.2.clause 5.1 annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/Speech/TC120104
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=speech	
PLMN parameter		
values:		
Comments:	progress indicator #8 thus indicating	, ,

III CD LIGE	ICDN ref to	DI MNI vot to.
IUSP_U05	ISDN ref. to:	PLMN ref. to:
	ETS 300 102- 1, clause 5.2.5.4,	TS 124 008, annex H.1.7
	annex M	TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	ISDN-UMTS/Basic call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	NOTE: Some PLMNs provide a	nnouncements instead of sending cause value #20.

IUSP_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4,	TS 124 008, annex H.1.8
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IU SP U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.2.2.3.1, annex H.1.9
	clause 5.3.2, annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsucces	sful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:	·	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IUSP_U08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsucce	essful/Speech/TC120108
ISDN selection	Speech	
criteria:		
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number") .	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IUSP_U09	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2.2	TS 124 008, annex B.3.2, annex H 5.3	
	annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsucc	essful/Speech/TC120109	
ISDN selection	Speech		
criteria:			
PLMN selection			
criteria:			
Test purpose:	COMPLETE message indicating be released. The network initiat	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter	BC=speech		
values:	COM DO		
PLMN parameter values:	GSM-BC=speech		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.		

IUSP_U10	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

IU SP U11	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2,	TS 124 008, annex H.1.6
	clause 5.1, annex M	ETS 300 511, clause 4.4.2.3
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the calle	d user sends a DISCONNECT (#17 "user busy").

Unsuccessful	
3,1 kHz audio	

IU AU U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	clause 5.3, annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection		
criteria:		
Test purpose:		cated number, the network initiate call clearing to the
	calling user with a RELEASE COM	PLETE or DISCONNECT message indicating cause
	value #1 "unassigned number".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1.	
	In the case when the calling user is calling to an unallocated number the tones or	
	announcement can only by generated in the destination exchange (or intermediate	
	exchange) during call establishment (see ITU-T Recommendation Q.764 clause 2.2).	
	The originating exchange sends a DISCONNECT message to the calling user with	
	progress indicator #8 thus indicating that in-band information is available. Normal	
		n-band information has been connected.
	The calling user shall receive in the disconnect indication state (N12)	
	the in-band tone/announcement on the B-channel.	

IUAU_U02		PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	(or intermediate exchange) during of The originating exchange sends a E progress indicator #8 thus indicating release procedure apply after the in	DISCONNECT message to the calling user with g that in-band information is available. Normal n-band information has been connected. disconnect indication state (N12) the in-band

IUAU_U03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2,	TS 124 008, annex H 1.6	
	clause 5.1, annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:		0.11	
PLMN selection	Audio, Multi numbering Scheme, T	S 11	
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the		
		calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:		e, the MS replies immediately with a RELEASE e originating exchange sends a DISCONNECT	
		ogress indicator #8 thus indicating that in-band ease procedure apply after the in-band information	
	has been connected.		
	The calling user shall receive in the	e disconnect indication state (N12)	
	the in-band tone/announcement or	the B-channel.	

IUAU_U04	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 5.2, TS 124 008, annex H 1.6	
	clause 5.1, annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IUAU_U05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2,	TS 124 008, annex H 1.6	
	clause 5.1, annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsucces	ssful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=3,1 kHz audio		
values:			
PLMN parameter			
values:			
Comments:	progress indicator #8 thus indicat release procedure apply after the	a DISCONNECT message to the calling user with ing that in-band information is available. Normal in-band information has been connected. The calling act indication state (N12) the in-band annel.	

IUAU_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4,	ETS 300 646
	annex M	TS 129 002, 18.2, 18.3.2
		TS 124 008, annex H.1.7
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	NOTE: Some PLMNs provide a	nnouncements instead of sending cause value #20.

IUAU_U07	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2.5.4,	TS 124 008, annex H.1.8	
	annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio, Multi numbering Scheme		
criteria:			
Test purpose:	initiate call clearing to the calling u value #19 "no answer from user (u	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio		
PLMN parameter values:	GSM-BC=speech		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.		

IUAU_U08	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1, clause 5.2.5.4,	TS 124 008, annex H.1.8		
	annex M			
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/3,1 kHz audio		
ISDN selection	Bearer service 3,1 kHz audio			
criteria:				
PLMN selection	Audio, Single numbering Scheme			
criteria:				
Test purpose:	Ensure that when there is no answ	Ensure that when there is no answer from the called user (but user alerted) (single-		
		nitiate call clearing to the calling user with a		
		DISCONNECT message indicating cause value #19 "no answer from user (user		
	alerted)" and sends to the called user a RELEASE message indicating cause #102			
	"recovery on timer expire" or using cause #31 "normal, unspecified".			
ISDN parameter	BC=3,1 kHz audio			
values:				
PLMN parameter				
values:				
Comments:	The call set-up to the mobile will not contain a GSM-BC element.			
	The originating exchange sends a DISCONNECT message to the calling user with			
	progress indicator #8 thus indicating that in-band information is available. Normal			
		release procedure apply after the in-band information has been connected.		
	The calling user shall receive in the disconnect indication state (N12) the in-band			
	tone/announcement on the B-channel.			

IUAU_U09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.2.2.3.1, annex H.1.9
	clause 5.3.2, annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsucc	essful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme	•
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	progress indicator #8 thus indicated release procedure apply after the	s a DISCONNECT message to the calling user with ating that in-band information is available. Normal e in-band information has been connected. The calling sect indication state (N12) the in-band sannel.

IU AU U10	ISDN ref. to:	PLMN ref. to:	
10A0_010			
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.2.2.3.1, annex H.1.9	
	clause 5.3.2, annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsucc	essful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio, Single numbering Scher	ne	
criteria:			
Test purpose:	Ensure that when the called use	Ensure that when the called user (single-numbering scheme) rejects the call and	
	responds with a RELEASE CO	MPLETE message indicating cause value #21 "call	
	•	rejected", the call will be released. The network initiates call clearing to the calling user	
	with a DISCONNECT message indicating cause value #21 "call rejected".		
ISDN parameter	BC=3,1 kHz audio		
values:			
PLMN parameter			
values:			
Comments:	The call set-up to the mobile wi	Il not contain a GSM-BC element.	
	The originating exchange sends a DISCONNECT message to the calling user with		
	progress indicator #8 thus indicating that in-band information is available. Normal		
		release procedure apply after the in-band information has been connected.	
	The calling user shall receive in the disconnect indication state (N12) the in-band		
	tone/announcement on the B-cl	nannei.	

IUAU_U11	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 ñ "Invalid number format (incomplete number").	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	(or intermediate exchange) during of The originating exchange sends a large progress indicator #8 thus indicating release procedure apply after the interpretation of the procedure apply after the procedure apply afte	DISCONNECT message to the calling user with g that in-band information is available. Normal n-band information has been connected. e disconnect indication state (N12) the in-band

IUAU_U12	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.2,	ETS 300 557, annex B.3.2, annex H 5.3
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsucc	essful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 Nhcompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem	
PLMN parameter values:	GSM-BC=3,1 kHz audio, voice band data via modem	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IUAU_U13	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme, T	S 11
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

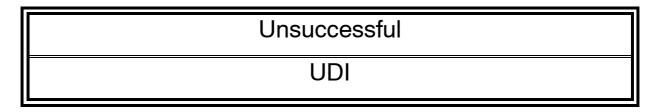
IU AU U14	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:	_	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In case of "single numbering" the calelement.	all set-up to the mobile will not contain a GSM-BC

IUAU_U15	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008 annex H 1.6
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuc	cessful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Schem	e, TS 11
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the	called user sends a DISCONNECT (#17 "user busy").

III AII II16	ISDN ref. to:	PLMN ref. to:
IUAU_U16		
	EN 300 403-1, clause 5.1,	TS 124 008, annex H 1.6
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuc	cessful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Sche	me
criteria:		
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In case of "single numbering" t	he call set-up to the mobile will not contain a GSM-BC
	element.	·
	While in the alerting state, the	called user sends a DISCONNECT (#17 "user busy").
	•	n the disconnect indication state (N12) the in-band
	tone/announcement on the B-c	` ,
	profile/arinouncement on the B-c	name.

IUAU_U17	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.1,	TS 124 008, annex H 1.6	
	annex M		
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio, voice	e band data via modem with modem type V.26	
criteria:			
PLMN selection	Audio, Multi-numbering Scheme		
criteria:			
Test purpose:	Unsuccessful voice band data via r	Unsuccessful voice band data via modem transmission.	
		clearing to the calling user with cause value #63	
	"service or option not available, unspecified" or #57 "bearer capability not authorized".		
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, modem type V.26, no LLC.		
values:			
PLMN parameter			
values:			
Comments:	The test is not applicable for ETS 300 102-1 implementations.		
	According ETS 300 102-1, clause 4.5.5, note 4, the octets 5a, 5b, 5c, 5d in the ISDN-BC		
	may be present if octet 5 indicates either of the ITUstandardized rate adaption		
	V.110/X.30 or V.120.		
	NOTE: The PLMN Standard covers the cases where the subscription check or the		
	compatibility check fails.	The cause value with which the call shall be rejected	
	is not defined		

IU AU U18	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008, annex H 1.6
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio, voice	e band data via modem with modem type V.26
criteria:		
PLMN selection	Audio, Multi-numbering Scheme	
criteria:		
Test purpose:	Unsuccessful voice band data via modem transmission.	
	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	
ISDN parameter	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, modem type V.26	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the The cause value with which the call shall be rejected



IUUD_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/UnSucc	essful/UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection		
criteria		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter	BC=UDI	
values:		
GSM parameter		
values:		
Comments:		

IUUD_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	
	annex M	TS 124 008, annex H.1.1
TSSreference:	ISDN-UMTS/Basic_call/UnSucc	essful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection		
criteria		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

IU UD U03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008, clause 5.2.2.3.1, annex H.1.6
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/UnSucc	cessful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the	
	calling user with a DISCONNEC	CT message indicating cause value #17 "user busy".
ISDN parameter	BC=UDI	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile wi	Il contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.	

IU UD U04	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.1,	TS 124 008, clause 5.2.2.3.1, annex H.1.6	
	annex M		
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	ful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI, Multi numbering Scheme	UDI, Multi numbering Scheme	
criteria:			
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=UD		
values:			
PLMN parameter			
values:			
Comments:			

IUUD_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 129 002, clause 18.2, clause 18.3.2
	annex M	TS 124 008, clause H.1.7
TSSreference:	ISDN-UMTS/Basic_call/UnSucces	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call	
	clearing to the calling user with cause value #SS"Subscriber absent".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:	NOTE: At the PLMN side cause cause value #18 is "no i	value #18 is "absent subscriber".At the ISDN side user responding".

IUUD_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008, annex H.1.8
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter	BC=UDI	
values:	COM DO LIDI VIALOVIO	
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

IUUD_U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008, clause 5.2.2.3.1, annex H.1.9
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UD	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IUUD_U08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.4,	TS 124 008, annex H.1.1
	annex M	TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic call/UnSucc	essful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number").	
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

IUUD_U09	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2.2	TS 124 008, annex B.3.2	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 Nhcompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".		
ISDN parameter values:	BC=LLC=UDI, V.110/X.30		
PLMN parameter	GSM-BC = UDI, V.110/X.30		
values:			
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR		

IU UD U10	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=UDI	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

IU UD U11	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2.3.1, annex B.4.	
	,	annex H.5.3	
		TS 127 001, annex B2	
TSSreference:	ISDN-UMTS/Basic call/UnSucce		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the called user initiat	Ensure that the called user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause value #88 "incor	npatible destination" and the network transport the	
	cause value to the calling user when the calling user sends the SETUP containing the		
	BC = UDI and the HLC=facsimile	BC = UDI and the HLC=facsimile group 4.	
ISDN parameter	BC = UDI, HLC=facsimile group 4, no LLC		
values:			
PLMN parameter	GSM-BC = UDI, V.110/X.30, HLC = facsimile group 4		
values:		Ţ.	
Comments:	Support of teleservices is an end	to-end aspect. The LLC/HLC-IE is transferred	
	transparently by the GSM PLMN	and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.		
		HLC is the related part of the compatibility checking	
		C. In this case the network initiates call clearing to the	
		calling user with cause value #63 "service or option not available, unspecified"	
	or #57 "bearer capabil	•	

c	clause 4.5.19	TS 124 008, annex H TS 129 007, clause 10.2.2
		TS 129 007 clause 10 2 2
l r	ETO 000 000 1 4 5 0 4	10 120 007, 014400 10.2.2
1	ETS 300 080, clause 4.5.2.1,	
E	EG 210 018, clause 6.3.2	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63	
	"service or option not available, unspecified" or #57 "bearer capability not authorized"	
	when the calling user sends the SETUP containing the BC = UDI, HLC=facsimile group	
	4 and LLC=telematic_term.	
ISDN parameter	BC = UDI, HLC=facsimile group 4, LLC=telematic_term	
values:	·	
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard cov	ers the cases where the subscription check or the
	compatibility check fails. is not defined.	The cause value with which the call shall be rejected

IUUD_U13	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, annex H
	EG 210 018, clause 7.1.3	TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and mixed mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic and mixed mode, LLC=telematic_term	
PLMN parameter values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IUUD_U14	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, annex H
		TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and processable mode.	
ISDN parameter	BC = UDI, HLC = teletex basic and processable mode, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the The cause value with which the call shall be rejected

IU UD U15	ISDN ref. to:	PLMN ref. to:
1002_010	EN 300 403-1, clause 4.5.17	TS 124 008, annex H
	EG 210 018, clause 7.1.3	TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic call/UnSuccess	1
ISDN selection	Bearer service UDI	
criteria:	Board Golvide GB1	
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC = telematic_term and the HLC = teletex basic mode.	
ISDN parameter	BC = UDI, HLC = teletex basic mode, LLC = telematic_term	
values:		<u>-</u>
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the The cause value with which the call shall be rejected

IUUD_U16	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, annex H
	ETS 300 080, clause 4.5.2.1	TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC = telematic_term and the HLC = international videotex interworking.	
ISDN parameter	BC = UDI, HLC = international videotex interworking, LLC = telematic_term	
values:		· -
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

-			
IUUD_U17	ISDN ref. to:	MN ref. to:	
	EN 300 403-1, clause 4.5.17 TS	124 008, clause 5.2.2.3.1, annex B.4; H.5.3	
	TS	127 001, annex B2	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/	JDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the user initiate call clearing	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause value #88 "incompatib	le destination" and the network transport the	
	cause value to the calling user when th	cause value to the calling user when the calling user sends the SETUP containing the	
	BC = UDI and the HLC = telex.		
ISDN parameter	BC = UDI, HLC = telex, no LLC	BC = UDI, HLC = telex, no LLC	
values:			
PLMN parameter	GSM-BC = UDI, V.110/X.30, HLC = tel	ex	
values:			
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred		
	transparently by the GSM PLMN and an ISDN between the call originating entity and the		
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.		
	NOTE: In some networks the HLC is the related part of the compatibility checking		
		performed in the GMSC. In this case the network initiates call clearing to the	
	calling user with cause value #63 "service or option not available, unspecified"		
	or #57 "bearer capability no	·	

ISDN ref. to:	PLMN ref. to:
,	TS 124 008, clause 5.2.2.3.1, annex B.4;
ETS 300 080, clause 4.5.2.1	annex H.5.3
	TS 127 001, annex B2
ISDN-UMTS/Basic call/UnSuccess	ful/UDI
Bearer service UDI	
UDI	
Ensure that the user initiate call cle	aring with a RELEASE COMPLETE message
	atible destination" and the network transport the
cause value to the calling user when the calling user sends the SETUP containing the	
BC = UDI, HLC = message handling system, no LLC	
GSM-BC = UDI, V.110/X.30, HLC = message handling system	
Support of teleservices is an end-to	-end aspect. The LLC/HLC-IE is transferred
transparently by the GSM PLMN and an ISDN between the call originating entity and the	
addressed entity. The LLC/HLC rela	ated part of the compatibility is up to the terminal.
NOTE: In some networks the HI	C is the related part of the compatibility checking
performed in the GMSC.	In this case the network initiates call clearing to the
calling user with cause v	alue #63 "service or option not available, unspecified"
or #57 "bearer capability	not authorized".
E I I I I I I I I I I I I	EN 300 403-1, clause 4.5.17 ETS 300 080, clause 4.5.2.1 SDN-UMTS/Basic call/UnSuccess Bearer service UDI JDI Ensure that the user initiate call cleandicating cause value #88 "incompause value to the calling user whe BC = UDI and the HLC = message BC = UDI, HLC = message handling GSM-BC = UDI, V.110/X.30, HLC = Support of teleservices is an end-to ransparently by the GSM PLMN are addressed entity. The LLC/HLC relayone.

IUUD_U19	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2.3.1, annex B.4,
	ETS 300 080, clause 4.5.2.1	annex H.5.3
		TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSucces	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause #88 "incompatible	e destination" and the network transport the cause
	value to the calling user when the calling user sends the SETUP containing the	
	BC = UDI and the HLC = OSI application.	
ISDN parameter	BC = UDI, HLC = OSI application, no LLC	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30, HLC = OSI application	
values:		
Comments:	Support of teleservices is an end-t	o-end aspect. The LLC/HLC-IE is transferred
	transparently by the GSM PLMN and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
		LC is the related part of the compatibility checking
		. In this case the network initiates call clearing to the
		value #63 "service or option not available, unspecified"
	or #57 "bearer capabilit	

IUUD_U20	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.2.3.1, annex B.4,
	EN 300 267-1, clause 7	annex H.5.3
		TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call cle	earing with a RELEASE COMPLETE message
	indicating cause value #88 "incomp	patible destination" and the network transport the
	cause value to the calling user whe	en the calling user sends the SETUP containing the
	BC = UDI and the HLC=videotelep	hony_ic.
ISDN parameter	BC = UDI, HLC=videotelephony_ic	
values:		
PLMN parameter	GSM-BC = UDI, V.110/X.30, HLC=	videotelephony_ic=
values:		
Comments:		o-end aspect. The LLC/HLC-IE is transferred
	transparently by the GSM PLMN a	nd an ISDN between the call originating entity and the
		lated part of the compatibility is up to the terminal.
	NOTE: In some networks the H	LC is the related part of the compatibility checking
		. In this case the network initiates call clearing to the
	calling user with cause	value #63 "service or option not available, unspecified"
	or #57 "bearer capability	not authorized".

IUUD_U21	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5	TS 124 008, annex H
		TS 129 007, table 6B-09.07
		See Note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call	clearing to the calling user with cause
	value #63 "service or option not available, unspecified" or #57 "bearer capability not	
	authorized" when the calling user sends the SETUP containing the BC = UDI,	
	V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter	BC = UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s, no LLC	
values:	-	
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IU UD U22	ISDN ref. t	0:	PLMN ref. to:
	EN 300 40	3-1, clause 4.5.19	TS 124 008, annex H
	ETS 300 1	03, annex I,	TS 129 007, table 6B-09.07
	EG 210 01	8, clause 7.1.1	See note
TSSreference:	ISDN-UMT	S/Basic call/UnSuccess	ful/UDI
ISDN selection	Bearer serv	vice UDI	
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:			clearing to the calling user with cause
	value #63 "service or option not available, unspecified" or #57 "bearer capability not		
	authorized" when the calling user sends the SETUP containing the BC = UDI and the		
	LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s.		
ISDN parameter	BC = UDI, LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s		
values:			
PLMN parameter			
values:			
Comments:			vers the cases where the subscription check or the The cause value with which the call shall be rejected

IU UD U23	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5	TS 124 008, annex H
		TS 129 007, table 6B-09.07
		See note
TSSreference:	ISDN-UMTS/Basic_call/UnSucces	ssful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	"service or option not available, unwhen the calling user sends the Sasynchronous mode, user rate 19	
ISDN parameter values:	BC=UDI, V.110/X.30, asynchrono	us mode, user rate 19,2 kbit/s, no LLC
PLMN parameter		
values:		
Comments:		overs the cases where the subscription check or the s. The cause value with which the call shall be rejected

IUUD_U24	ISDN ref. t	0:	PLMN ref. to:
	EN 300 40	3-1, clause 4.5.19	TS 124 008, annex H
	ETS 300 1	03, annex I	TS 129 007, table 6B-09.07
	ETR 018, c	clause 7.1.1	See note
TSSreference:	ISDN-UMT	S/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer ser	vice UDI	
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI and the LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.		
ISDN parameter	BC = UDI, LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s		
values:			
PLMN parameter			
values:			
Comments:			vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IUUD_U25	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, annex H
	clause 4.5.19	TS 129 007, table 6B-09.07
		See note
TSSreference:	ISDN-UMTS/Basic call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s.	
ISDN parameter	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IU UD U26	ISDN ref. to:		PLMN ref. to:
	EN 300 403-1, clause 4.5	5.17,	TS 124 008, annex H
	clause 4.5.19		TS 129 007, table 6B-09.07
	EG 210 018, clause 7.1.3	3	See note
TSSreference:	ISDN-UMTS/Basic_call/U	JnSucces:	sful/UDI
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the network i	nitiate cal	clearing to the calling user with cause
	value #63 "service or opt	ion not av	ailable, unspecified" or #57 "bearer capability not
	authorized" when the calling user sends the SETUP containing the BC=UDI,		
	LLC=telematic_term and	the HLC=	syntax-based videotex.
ISDN parameter	BC = UDI, HLC= syntax-l	oased vide	eotex, LLC=telematic_term
values:			_
PLMN parameter			
values:			
Comments:	NOTE: The PLMN Sta	andard co	vers the cases where the subscription check or the
	compatibility c is not defined.	heck fails.	The cause value with which the call shall be rejected

IUUD_U27	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17,	TS 124 008, annex H
	clause 4.5.19,	TS 129 007 102.2, table 6B-09.07
	EG 210 018, clause 6.3.7	
TSSreference:	ISDN-UMTS/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC=FTAM.	
ISDN parameter	BC = UDI, HLC=FTAM, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the The cause value with which the call shall be rejected

IU UD U28	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17,	TS 124 008, annex H
	clause 4.5.19	TS 129 007 102.2, table 6B-09.07
	EG 210 018, clause 6.3.8	
TSSreference:	ISDN-UMTS/Basic call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63	
		specified" #57 "bearer capability not authorized" when
	the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the	
	HLC= Eurofile.	
ISDN parameter	BC = UDI, HLC= Eurofile, LLC=tel	ematic_term
values:		
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard co	vers the cases where the subscription check or the
	compatibility check fails	The cause value with which the call shall be rejected
	is not defined.	

IU UD U29	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1,	TS 124 008, clause 5.2.2.3.1, annex H.1.6
	annex M	
TSSreference:	ISDN-UMTS/Basic_call/UnSucc	cessful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:		er is busy (UDUB) after being alerted, the network initiate with a DISCONNECT message indicating cause value
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:	While in the alerting state, the o	called user sends a DISCONNECT (#17 "user busy").

Unsuccessful UDI -TA

IU UT U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.5.1	TS 124 008
	·	TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccess	sful/UDI -TA
ISDN selection	Bearer service UDI/TA	
criteria:		
GSM selection		
criteria:		
Test purpose:		I clearing to the calling user with cause
	value #63 "service or option not av	ailable or #65 "bearer service not implemented".
ISDN parameter	BC=UD/TA, no HLC	
values:		
GSM parameter		
values:		
Comments:		

7.1.2 Test purposes for ISDN to UMTS Supplementary services

Supplementary services Symmetrical Tests

IU xxSSCLIP01	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1, clause 9.3,	TS 124 008
	EN 300 403-1, clause 4.5.10,	TS 124 081
	clause 4.5.11	
TSSreference:	ISDN-UMTS/Supplementary service	ces/CLIP
ISDN selection	CLIP	
criteria:		
GSM selection	The called user is provided with CL	IP
criteria:		
Test purpose:		nber is provided by the calling user, Type of number is umber information element is correctly delivered to
	the called (served) user.	amber information element is correctly delivered to
ISDN parameter	BC=I_BC_ID,	
values:	Calling party number: PI=PA SI=UPVP, TON= TON ID	
GSM parameter	GSM-BC=G ITC,	
values:	Calling party number: PI=PA, SI=U	PVP, TON= national/international number
	NPI= ISDN/Telephony numbering p	olan (ITU-T Recommendation E.164/E.163)
Comments:		

Values for test purpose: IUxxSSCLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IU xxSSCLIP02	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1, clause 9.3	TS 124 008, clause 10.5.4.9, 10.5.4.10
	EN 300 403-1, clause 4.5.10	TS 124 081, clause 1
		TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_ser	vices/CLIP
ISDN selection	CLIP	
criteria:		
PLMN selection	The called user is provided with	CLIP
criteria:	·	
Test purpose:	Ensure that when no Calling party number information element is provided by the calling user, (and no Calling party subaddress), the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	Calling party number: PI=PA, SI=NP, TON= national/international,	
	NPI= ISDN/Telephony numbering	g plan (ITU-T Recommendation E.164/E.163)
Comments:		

IUxxSSCLIR01	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1, clause 9.4.1	TS 124 008, clause 10.5.4.9, clause 10.5.4.10
	ETS 300 092-1/A2, figure 2	TS 124 081, clause 1
		TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary service	ces/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CL	IP .
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when the Calling party number is provided by the calling user, the Calling	
	party number information element is delivered to the called user without any digit	
	information.	
ISDN parameter	BC=I_BC_ID,	
values:	Calling party number: PI=PA, TON=unknown, NPI=unknown	
PLMN parameter	GSM-BC=G BC ID	
values:	Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IU xxSSCLIR02	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1, clause 9.4.1	TS 124 008, clause 10.5.4.9, clause 10.5.4.10
	ETS 300 092-1/A2, Figure 2	TS 124 081, clause 1,
		TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CL	<u>I</u> P
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when no Calling party number is provided by the calling user, the Calling	
	party number information element is network provided and delivered to the called user	
	without any digit information.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID Calling party n	umber: PI=PR, TON=unknown, NPI=unknown,
values:	SI=NP	
Comments:		

IUxxSSCOLP01	ISDN ref. to	PLMN ref. to:
	EN 300 097-1, clause 9.5.1	TS 124 081, clause 3,
		TS 123 081, clause 3
TSSreference:	ISDN-UMTS/Supplementary_servi-	ces/COLP
ISDN selection	Calling user is provided with COLP	
criteria:		
PLMN selection	COLP	
criteria:		
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and correctly delivered to	
	the calling (served) user.	
ISDN parameter	BC=I_BC_ID;	
values:	Connected number: SI=NP, PI=PA, TON= National/international,	
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

IU xxSSCOLR01	ISDN ref. to:	PLMN ref. to:
	EN 300 098-1, clause 9.3.1,	TS 124 081, clause 4,
	clause 9.4.1	TS 123 081, clause 4
	ETS 300 097-1/A2, figure 4	
TSSreference:	ISDN-UMTS/Supplementary service	ces/COLR
ISDN selection	The calling user is provided with CO	DLP
criteria:		
PLMN selection	COLR	
criteria:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	Ensure that when no Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and delivered to the calling	
	user without any digit information.	
ISDN parameter	BC=I_BC_ID,	
values:	Connected number : PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter	GSM-BC=G_BC_ID;	
values:	_	
Comments:		

IUxxSSCUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	ISDN-UMTS/Supplementary service	ces/CUG
ISDN selection	CUG supplementary options: not C	A; not ocb; not Pref. CUG
criteria:		
PLMN selection	Calling user and called user belong	to the same CUG;
criteria:	CUG supplementary options: IA; no	ot ICB
Test purpose:	Ensure that when the calling user	pelongs to a CUG with outgoing access is not
		vithin the CUG and not preferential CUG and the
	called user belongs to the same CUG with incoming access allowed and not incoming	
	calls barred within the CUG, after the receipt of a SETUP message with a Facility IE	
	containing a cUGCall invoke component with OARequested set to TRUE, CUG Index	
	included, the called user receives a SETUP message with a Facility IE which contains an	
	CUG index associated with the invoked CUG.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter	GSM-BC=G BC ID; Facility (Invoke =NotifySS(CUUIndex))	
values:		
Comments:		

IU xxSSCUG02	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG
ISDN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the san	e CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message. A Facility IE may be passed to the MS which contains an CUG index associated with the invoked CUG.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index in	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke =NotifySS(CUUIndex))	
values:		
Comments:		

IUxxSSCUG03	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG
ISDN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the san	ne CUG with the following CUG supplementary
criteria:	options: IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IUxxSSCUG04	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG
ISDN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the sar	ne CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the called user receives a SETUP message.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index not included	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IUxxSSCUG05	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2	TS 123 085
		TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG
ISDN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user is not a CUG subs	scriber
criteria:		
Test purpose:	not outgoing calls barred within the belongs not to a CUG, after the rec containing a cUGCall invoke comp	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user seipt of a SETUP message with a Facility IE conent with OARequested set to TRUE, CUG Index earing to the calling user with cause value #29 e "userNotMemberOfCUG"
ISDN parameter	BC=I_BC_ID; Facility IE with cUGC	Call invoke component:
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IUxxSSCUG06	ISDN ref. to:	_MN ref. to:
	EN 300 138-1, clause 9.2.3	S 123 085
	TS	S 124 085
TSSreference:	ISDN-UMTS/Supplementary_services	/CUG
ISDN selection	Calling user is not member of CUG	
criteria:		
PLMN selection	The called user belongs to CUG with	the following CUG supplementary options: not IA;
criteria:	not ICB	
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network initiate call clearing to the calling user with cause value #87 user not a member of CUG".	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IUxxSSCUG07	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2	TS 123 085
		TS 124 085
TSSreference:	ISDN-UMTS/Supplementary services/CUG	
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: not	
criteria:	OA; not ocb; not Pref. CUG	
PLMN selection	The called user is not member of CUG.	
criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "userNotMemberOfCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to	TRUE
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IU xxSSCUG08	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2	TS 123 085
		TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_servi-	ces/CUG
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria:	options: not IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUG0	Call invoke component:
values:	OARequested set to	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IU xxSSCUG09	ISDN ref. to: PLMN ref. to:	
	EN 300 138-1, clause 9.2.2 TS 123 085	
	TS 124 085	
TSSreference:	ISDN-UMTS/Supplementary services/CUG	
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria:	options: not IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to FALSE	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IUxxSSCUG10	ISDN ref. to: PLMN ref. to:	
	EN 300 138-1, clause 9.2.2, TS 123 085	
	clause 9.2.4 TS 124 085	
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria:	options: IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming"	
10011	CallsBarredWithinCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to FALSE	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IUxxSSCUG11	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CUG
ISDN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria:		
PLMN selection	Calling user and called user belong	g to the same CUG;
criteria:	CUG supplementary options: not IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed,	
	not outgoing calls barred within the CUG and not preferential CUG and the called user	
	belongs to the same CUG with incoming access not allowed and not incoming calls	
	barred within the CUG, after the receipt of a SETUP message with a Facility IE	
	containing a cUGCall invoke component with OARequested set to FALSE, CUG Index	
	included, the called user receives a SETUP message with a Facility IE which contains a	
	CUG index associated with the inv	oked CUG.
ISDN parameter	BC=I_BC_ID; Facility IE with cUGO	Call invoke component:
values:	OARequested set to FALSE	
	CUG Index included	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invol-	re =NotifySS(CUUIndex))
values:		
Comments:		

IU xxSSSUB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 061-1 clause 9.2	ETS 300 577 clause 10.5.4.8	
	EN 300 403-1, clause 4.5.9		
TSSreference:	ISDN-UMTS/Supplementary_ser	ISDN-UMTS/Supplementary services/SUB	
ISDN selection	SUB	SUB	
criteria:			
PLMN selection	The called (served) user is provided with SUB		
criteria:			
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called		
	party subaddress is correctly del	ivered to the called (served) user.	
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:			

IU xxSSSUB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 061-1 clause 9.2	ETS 300 577 clause 10.5.4.8	
	EN 300 403-1, clause 4.5.9		
TSSreference:	ISDN-UMTS/Supplementary_s	ervices/SUB	
ISDN selection	SUB		
criteria:			
PLMN selection	The called (served) user is provided with SUB		
criteria:			
Test purpose:		Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter	BC=I BC ID		
values:			
PLMN parameter			
values:			
Comments:			

IUI_xxSSCFU01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFU	
ISDN selection	Call to a forwarding subscriber (CF	U)	
criteria:			
PLMN selection	The user B is in network N2 provid	ed with CFU("calling user is notified of call diversion	
criteria:	"= Yes). (See note)		
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User A is notified of call diversion.		
	User C receives a SETUP messag	e with the information that the incoming call is a	
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channel is		
	performed correctly.		
ISDN parameter	A: ! BC=I BC ID;		
values:	C: ? BC=I BC ID;		
PLMN parameter	CFUactive		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
	are not in line with the E	N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to E	EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the	e indication that the incoming call is a forwarded call is	
	released to the diverted	to user.	

IUI_xxSSCFU02	ISDN ref.	to:	PLMN ref. to:
_	EN 300 2	07-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2	2.5	TS 123 082, clause 1
TSSreference:	ISDN-UM	TS/Supplementary_servi	ces/CFU
ISDN selection	Call to a f	orwarding subscriber (CF	:U)
criteria:			·
PLMN selection	The user	B is in network N2 provid	ed with CFU("calling user is notified of call diversion"
criteria:	= No). (S	ee note)	
Test purpose:	Ensure th	at when user A calls user	B, the call is forwarded to user C.
	User A is	not notified of call diversi	on
	User C re	ceives a SETUP messag	e with the information that the incoming call is a
	forwarded	d call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channel is		
	performed correctly.		
ISDN parameter	A : ! BC=I_BC_ID;		
values:	C: ? BC=\(\bar{\text{BC}}\) BC \(\text{ID};		
PLMN parameter	CFUactive		
values:			
Comments:	NOTE:	Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services
			N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
		exchange according to I	EN 300 356-15). The served mobile subscriber has not
		the ability to decide if the	e indication that the incoming call is a forwarded call is
		released to the diverted	-to user.

IUG_xxSSCFU01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFU
ISDN selection	Call to a forwarding subscriber (CF	(C:
criteria:		
PLMN selection	The user B is in network N2 provid	ed with CFU("calling user is notified of call diversion
criteria:	"= Yes). (See note)	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.
	User A is notified of call diversion.	
	User C receives a SETUP messag	e with the NotifySSoperation that the incoming call is
	a forwarded call.	
		ate (N4) the transfer of tone on the B-channel is
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC=I_BC_ID;	
values:		
PLMN parameter	CFUactive	
values:	GSM-BC=I_BC_ID	
Comments:	are not in line with the E exchange according to I	otions of the call forwarding Supplementary_services in 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not e indication that the incoming call is a forwarded call is -to user.

IUUUGxxSSCFU02	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 1	
	clause 9.2.5 TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion	
criteria:	"= Yes). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call diversion.	
	User C receives a SETUP message with the NotifySSoperation that the incoming call is a forwarded call.	
	The reason for forwarding given to the forwarded ñto subscriber should relate to the last	
	forwarding subscriber in the chain.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=I BC ID;	
values:	_ = '	
PLMN parameter	CFUactive	
values:	GSM-BC=I_BC_ID	
0	NOTE OF A COLUMN CHARLES OF A COLUMN	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG_xxSSCFU03	ISDN ref. to:	PLMN ref. to:	
<u> </u>	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFU	
ISDN selection	Call to a forwarding subscriber (CF	U)	
criteria:			
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion"	
criteria:	= No). (see note)		
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User A is not notified of call diversi-	on	
	User C receives a SETUP messag	e with the NotifySSoparation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	BC=I_BC_ID;		
values:			
PLMN parameter	CFUactive		
values:	GSM-BC=I_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
	are not in line with the E	N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to EN 300 356-15). The served mobile subscriber has not		
	the ability to decide if the	e indication that the incoming call is a forwarded call is	
	released to the diverted-to user.		

IUP xxSSCFU01	ISDN ref.	. to:	PLMN ref. to:	
	EN 300 2	.07-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.	2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UN	ITS/Supplementary serv	rices/CFU	
ISDN selection	Call to a	forwarding subscriber (C	FU)	
criteria:		-		
PLMN selection	The user	B is in network N2 provi	ded with CFU("calling user is notified of call diversion	
criteria:	"= Yes).	(See note)		
Test purpose:	Ensure th	nat when user A calls use	er B, the call is forwarded to user C.	
	User A is	notified of call diversion		
			tate (N4) the transfer of tone on the B-channel is	
	performe	performed correctly if tones/announcement are applied.		
	Ensure th	Ensure that in the active call state (N10) the voice/data transfer is performed correctly.		
ISDN parameter	BC=I_BC	BC=I_BC_ID;		
values:				
PLMN parameter	CFUactiv	CFUactive		
values:				
Comments:	NOTE:	are not in line with the exchange according to	iptions of the call forwarding Supplementary_services EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not ne indication that the incoming call is a forwarded call is	
		released to the diverted	d-to user.	

IUP_xxSSCFU02	ISDN ref.	to:	PLMN ref. to:	
	EN 300 2	07-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2		TS 123 082, clause 1	
TSSreference:	ISDN-UM	TS/Supplementary_service	ces/CFU	
ISDN selection	Call to a f	orwarding subscriber (CF	U)	
criteria:				
PLMN selection	The user	B is in network N2 provide	ed with CFU("calling user is notified of call diversion"	
criteria:	= No). (Se	ee note)		
Test purpose:	Ensure th	at when user A calls user	B, the call is forwarded to user C.	
	User A is	not notified of call diversi	on.	
	Ensure th	at in the call delivered sta	te (N4) the transfer of tone on the B-channel is	
		performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data or data transfer is performed			
	correctly.			
ISDN parameter	BC=I_BC_ID;			
values:				
PLMN parameter	CFUactive			
values:				
Comments:	NOTE:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user.	

IUU xxSSCFU01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 1	
	clause 9.2.5 TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection	Call to a forwarding subscriber (CFU)	
criteria:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion	
criteria:	"= Yes). (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call diversion.	
	User C receives a SETUP message with the NotifySSoparation that the incoming call is	
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC=I_BC_ID;	
values:		
PLMN parameter	CFUactive	
values:	GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU_xxSSCFU02	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 1	
	clause 9.2.5 TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection	Call to a forwarding subscriber (CFU)	
criteria:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria:	= No). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call diversion	
	User C receives a SETUP message with the NotifySSoparation that the incoming call is	
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC=I_BC_ID;	
values:		
PLMN parameter	CFUactive	
values:	GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services	
	are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the indication that the incoming call is a forwarded call is	
	released to the diverted-to user.	

IUI_xxSSCFB01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1, clause 9.2.2, TS 124 082, clause	2	
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause	2	
TSSreference:	ISDN-UMTS/Supplementary_services/CFB		
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFBU	DUB ("calling user is notified of	
criteria:	call diversion" = Yes). (See note)		
Test purpose:	Ensure that when user A calls busy user B, the call is for	orwarded to user C.	
	User A is notified of call diversion.		
	User C receives a SETUP message with the information	n that the incoming call is a	
	forwarded call.		
		Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID;		
values:	C : ? BC=I_BC_ID;		
PLMN parameter	CFBUDUB active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forw	arding Supplementary_services	
	are not in line with the EN 302 646-1, item 6.	1.1.10 (MSC acts like a diverting	
	exchange according to EN 300 356-15).The	served mobile subscriber has not	
	the ability to decide if the indication that the i	ncoming call is a forwarded call is	
	released to the diverted-to user.		

IUIxxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFB	
ISDN selection	Call to a forwarding subscriber (CF	FB)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFB UDUB ("calling user is notified of	
criteria:	call diversion" = No). (See note)		
Test purpose:	Ensure that when user A calls bus	y user B, the call is forwarded to user C.	
	User A is not notified of call diversi	on	
	User C receives a SETUP messag	e with the information that the incoming call is a	
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID;		
values:	C: ? BC=I BC ID;		
PLMN parameter	CFBUDUB active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
	are not in line with the E	N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to	EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if th	e indication that the incoming call is a forwarded call is	
	released to the diverted	-to user.	

		T		
IUI_xxSSCFB03	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary_s	services/CFB		
ISDN selection	Call to a forwarding subscriber	(CFB)		
criteria:	_			
PLMN selection	The user B is in network N2 ar	nd is provided with CFB NDUB ("calling user is notified of		
criteria:	call diversion" = Yes; "notificat	ion to forwarding subscriber" = Yes). (See note)		
Test purpose:	Ensure that when user A calls	busy user B, the call is forwarded to user C.		
	User A is notified of call divers	ion.		
	User B is notified of call divers	ion.		
	User C receives a SETUP mes	ssage with the information that the incoming call is a		
	forwarded call.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-			
	channels is performed correctly.			
ISDN parameter	A: ! BC= I BC ID;			
values:	C : ? BC= \(\bar{\text{I}} \(\bar{\text{BC}} \) \(\bar{\text{ID}} \);			
PLMN parameter	CFBNDUB active			
values:				
Comments:	are not in line with t exchange according	scriptions of the call forwarding Supplementary_services he EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting to EN 300 356-15). The served mobile subscriber has not if the indication that the incoming call is a forwarded call is rted-to user.		

IUI_xxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB
ISDN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFB NDUB ("calling user is notified of
criteria:	call diversion" = No; "notification to	forwarding subscriber" = No) (See note)
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.
	User A is not notified of call diversi	on.
	User B is not notified of call diversi-	on.
	User C receives a SETUP message	e with the information that the incoming call is a
	forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID;	
values:	C: ? BC=I_BC_ID;	
PLMN parameter	CFBNDUB active	
values:		
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user.

IUG_xxSSCFB01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, claus	se 2
	clause 9.2.4.3, clause 9.2.5 TS 123 082, claus	se 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection	Call to a forwarding subscriber (CFB)	
criteria:		
PLMN selection	The user B is in network N2 and is provided with CFB	UDUB ("calling user is notified of
criteria:	call diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is	forwarded to user C.
	User A is notified of call diversion.	
	User C receives a SETUP message with the NotifySS	Soparation that the incoming call is
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC=I_BC_ID;	
values:		
PLMN parameter	CFBUDUB active	
values:	GSM-BC=G BC ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call for	warding Supplementary_services
	are not in line with the EN 302 646-1, item	6.1.1.10 (MSC acts like a diverting
	exchange according to EN 300 356-15).The	e served mobile subscriber has not
	the ability to decide if the indication that the	e incoming call is a forwarded call is
	released to the diverted-to user	-

IUG_xxSSCFB02	ISDN ref. to:	PLMN ref. to:	
<u> </u>	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_se	rvices/CFB	
ISDN selection	Call to a forwarding subscriber (CFB)	
criteria:			
PLMN selection	The user B is in network N2 and	is provided with CFB UDUB ("calling user is notified of	
criteria:	call diversion" = No). (See note)		
Test purpose:	Ensure that when user A calls b	usy user B, the call is forwarded to user C.	
	User A is not notified of call dive	rsion	
	User C receives a SETUP mess	age with the NotifySSoparation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	BC=I_BC_ID;		
values:			
PLMN parameter	CFBUDUB active		
values:	GSM-BC=G_BC_ID;		
Comments:	NOTE: Stage 1, 2 and 3 desc	criptions of the call forwarding Supplementary_services	
	are not in line with the	EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according t	to EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if	the indication that the incoming call is a forwarded call is	
	released to the divert	ed-to user.	

IUG xxSSCFB03	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary serv		
ISDN selection	Call to a forwarding subscriber (C		
criteria:		,	
PLMN selection	The user B is in network N2 and i	s provided with CFB NDUB ("calling user is notified of	
criteria:	call diversion" = Yes; "notification	to forwarding subscriber" = Yes). (See note)	
Test purpose:		sy user B, the call is forwarded to user C.	
	User A is notified of call diversion	•	
	User B is notified of call diversion		
	User C receives a SETUP messa	ge with the NotifySSoparation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	BC= I_BC_ID;		
values:			
PLMN parameter	CFBNDUB active		
values:	GSM-BC= G_BC_ID;		
Comments:		iptions of the call forwarding Supplementary_services	
		EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
		EN 300 356-15). The served mobile subscriber has not	
		he indication that the incoming call is a forwarded call is	
	released to the diverte	d-to user.	

IUG_xxSSCFB04	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB		
ISDN selection	Call to a forwarding subscriber (CF	B)		
criteria:				
PLMN selection		provided with CFB NDUB ("calling user is notified of		
criteria:	call diversion" = No; "notification to	forwarding subscriber" = No) (See note)		
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.		
	User A is not notified of call diversi-	on.		
	User B is not notified of call diversi-			
		e with the NotifySSoparation that the incoming call is		
	a forwarded call.	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-			
	channels is performed correctly.			
ISDN parameter	BC = I_BC_ID;			
values:				
PLMN parameter	CFBNDUB active			
values:	$GSM-BC = G_BC_ID;$			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are			
		em 6.1.1.10 (MSC acts like a diverting exchange		
		served mobile subscriber has not the ability to decide		
	if the indication that the incoming c	all is a forwarded call is released to the diverted-to		
	user.			

IUP_xxSSCFB01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary_services/CFB		
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFB UDUB ("calling user is notified of		
criteria:	call diversion" = Yes). (See note)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFBUDUB active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.		

IUP_xxSSCFB02	ISDN ref	. to:	PLMN ref. to:
	EN 300 2	207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.	2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UN	ITS/Supplementary_servi	ces/CFB
ISDN selection	Call to a	forwarding subscriber (CF	FB)
criteria:			
PLMN selection	The user	B is in network N2 and is	provided with CFB UDUB ("calling user is notified of
criteria:	call diver	sion" = No). (See note)	
Test purpose:			y user B, the call is forwarded to user C.
	User A is	not notified of call divers	ion.
			ate (N4) the transfer of tone on the B-channel is
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	$BC = I_BC_ID;$		
values:			
PLMN parameter	CFBUDUB active		
values:			
Comments:	NOTE:	Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services
			EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting
			EN 300 356-15). The served mobile subscriber has not
			e indication that the incoming call is a forwarded call is
		released to the diverted	-to user.

IUP_xxSSCFB03	ISDN ref	. to: 207-1, clause 9.2.2,	PLMN ref. to: TS 124 082, clause 2	
		2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:		ITS/Supplementary se		
ISDN selection		forwarding subscriber (
criteria:		Ů,	,	
PLMN selection	The user	B is in network N2 and	is provided with CFB NDUB ("calling user is notified of	
criteria:	call diver	sion" = Yes ; "notificatio	n to forwarding subscriber" = Yes). (See note)	
Test purpose:	User A is	notified of call diversio	· · ·	
	Ensure the performe Ensure the	User B is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter values:		BC= I_BC_ID;		
PLMN parameter values:	CFBNDL	CFBNDUB active		
Comments:	NOTE:	are not in line with the exchange according t	criptions of the call forwarding Supplementary_services e EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting to EN 300 356-15). The served mobile subscriber has not the indication that the incoming call is a forwarded call is ed-to user.	

IUP_xxSSCFB04	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection	Call to a forwarding subscriber (CFB)	
criteria:		
PLMN selection	The user B is in network N2 and is provided with CFBNDUB ("calling user is notified of	
criteria:	call diversion" = No; "notification to forwarding subscriber" = No) (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A is not notified of call diversion.	
	User B is not notified of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC = I_BC_ID;	
values:		
PLMN parameter	CFBNDUB active	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU_xxSSCFB01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB
ISDN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFB UDUB ("calling user is notified of
criteria:	call diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.
	User A is notified of call diversion.	
	User C receives a SETUP message	e with the NotifySSoparation that the incoming call is
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFBUDUB active	
values:	$GSM-BC = G_BC_ID;$	
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary services
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
		EN 300 356-15). The served mobile subscriber has not
		e indication that the incoming call is a forwarded call is
	released to the diverted-	to user.

IUU_xxSSCFB02	ISDN ref. to:	PLMN ref. to:	
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFB	
ISDN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFB UDUB ("calling user is notified of	
criteria:	call diversion" = No). (See note)		
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.	
	User A is not notified of call diversi	on	
	User C receives a SETUP messag	e with the NotifySSoparation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	$BC = I_BC_ID;$		
values:			
PLMN parameter	CFBUDUB active		
values:	$GSM-BC = G_BC_ID;$		
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
	are not in line with the E	N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to E	EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the	e indication that the incoming call is a forwarded call is	
	released to the diverted-	to user.	

IIII ww.CCCEDOO	ISDN ref. to:	PLMN ref. to:	
IUU_xxSSCFB03			
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_servi		
ISDN selection	Call to a forwarding subscriber (CF	FB)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFB NDUB ("calling user is notified of	
criteria:	call diversion" = Yes; "notification to	to forwarding subscriber" = Yes). (See note)	
Test purpose:	Ensure that when user A calls bus	y user B, the call is forwarded to user C.	
	User A is notified of call diversion.		
	User B is notified of call diversion.		
	User C receives a SETUP messag	e with the NotifySSoparation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFBNDUB active		
values:	GSM-BC = G BC ID;		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services are		
	not in line with the EN 302 646-1, i	not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange	
		served mobile subscriber has not the ability to decide	
	if the indication that the incoming call is a forwarded call is released to the diverted-to		
	user.		

IUU xxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB
ISDN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFB NDUB ("calling user is notified of
criteria:	call diversion" = No; "notification to	forwarding subscriber" = No) (See note)
Test purpose:	User A is not notified of call diversi	
	User B is not notified of call diversi	
	_	e with the NotifySSoparation that the incoming call is
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-	
	channels is performed correctly.	
ISDN parameter	BC = I_BC_ID;	
values:		
PLMN parameter	CFBNDUB active	
values:	$GSM-BC = G_BC_ID;$	
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not e indication that the incoming call is a forwarded call is to user.

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IUIxxSSCFNRy01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_se	rvices/CFNRy
ISDN selection	Call to a forwarding subscriber (CFNRy)
criteria:		.,
PLMN selection	The user B is in network N2 and	is provided with CFNRy ("calling user is notified of call
criteria:	diversion" = Yes, "notification to	forwarding subscriber" = Yes). (See note)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	A: ! BC = I BC ID;	
values:	C: ? BC = \(\overline{\text{I}} \) BC \(\overline{\text{ID}} \);	
PLMN parameter	CFNRy active	
values:		
Comments:	are not in line with the exchange according t	criptions of the call forwarding Supplementary_services EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting o EN 300 356-15). The served mobile subscriber has not the indication that the incoming call is a forwarded call is ed-to user.

IUI_xxSSCFNRy02	ISDN ref. to:	PLMN ref. to:	
		TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_service	es/CFNRy	
ISDN selection	Call to a forwarding subscriber (CFI	NRy)	
criteria:			
PLMN selection		provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = No "notification to forwa	arding subscriber" = No). (See note)	
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call diversion	on.	
	User B is not notified of call diversion	· · · ·	
	User C receives a SETUP message	e with the information that the incoming call is a	
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the and B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C : ? BC = I_BC_ID;		
PLMN parameter	CFNRy active		
values:			
Comments:	are not in line with the Et exchange according to E	tions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting N 300 356-15). The served mobile subscriber has not indication that the incoming call is a forwarded call is to user.	

	liani.		
IUGxxSSCFNRy01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy	
ISDN selection	Call to a forwarding subscriber (CF	NRy)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = Yes, "notification to for	warding subscriber" = Yes). (See note)	
Test purpose:	Ensure that when user A calls user User A is notified of call diversion.	B, if unanswered, the call is forwarded to user C.	
	User B is notified of call diversion.		
	User C receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFNRy active		
values:	GSM-BC = G BC ID;		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services		
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to E	EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the	e indication that the incoming call is a forwarded call is	
	released to the diverted-	to user.	

IUG_xxSSCFNRy02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy
ISDN selection	Call to a forwarding subscriber (CF	NRy)
criteria:		
PLMN selection		provided with CFNRy ("calling user is notified of call
criteria:	diversion" = No "notification to form	/arding subscriber" = No). (See note)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion. User B is not notified of call diversion.	
	User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.	
ISDN parameter	A: ! BC = I_BC_ID;	
values:		
PLMN parameter	CFNRy active	
values:	C: ? GSM-BC = G_BC_ID;	
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services in 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user.

IUPxxSSCFNRy01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy
ISDN selection	Call to a forwarding subscriber (CFI	NRy)
criteria:		
PLMN selection criteria:		provided with CFNRy ("calling user is notified of call warding subscriber" = Yes). (See note)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter	CFNRy active	
values:	GSM-BC=G_BC_ID;	
Comments:	are not in line with the El exchange according to E	tions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting N 300 356-15). The served mobile subscriber has not indication that the incoming call is a forwarded call is to user.

IUP_xxSSCFNRy02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3		
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3		
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy		
ISDN selection	Call to a forwarding subscriber (CFNRy)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion" = No "notification to forwarding subscriber" = No). (See note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User A is not notified of call diversion.		
	User B is not notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	A : ! BC = I_BC_ID;		
values:			
PLMN parameter	CFNRy active		
values:	C: ? GSM-BC = G_BC_ID;		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.		

IUU_xxSSCFNRy01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy
ISDN selection	Call to a forwarding subscriber (CF	NRy)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call
criteria:	diversion" = Yes, "notification to for	warding subscriber" = Yes). (See note)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = I_BC_ID;	
values:	OFND: this -	
PLMN parameter values:	CFNRy active	
	GSM-BC = G_BC_ID;	
Comments:		otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
		EN 300 356-15). The served mobile subscriber has not
		e indication that the incoming call is a forwarded call is

IUU_xxSSCFNRy02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_servi-	ces/CFNRy	
ISDN selection	Call to a forwarding subscriber (CF	NRy)	
criteria:			
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = No "notification to forw	varding subscriber" = No). (See note)	
Test purpose:	Ensure that when user A calls user	r B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call diversi	ion.	
	User B is not notified of call diversion.		
	User C receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:			
PLMN parameter	CFNRy active		
values:	C: ? GSM-BC = G_BC_ID;		
Comments:	are not in line with the E exchange according to I	otions of the call forwarding Supplementary_services EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not e indication that the incoming call is a forwarded call is -to user.	

II.II000END-04	ISDN ref. to:	PLMN ref. to:	
IUI_xxSSCFNRc01			
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFNRc	
ISDN selection	Call to a forwarding subscriber (CF	NRc)	
criteria:			
PLMN selection criteria:	The user B is in network N2 and is diversion" = Yes). (See note)	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls user B, if detached , the call is forwarded to user C. User A is notified of call diversion. User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C : ? BC = \(\bar{I}_\) BC_\(\bar{I}_\);		
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services IN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is 4-to user.	

IUI_xxSSCFNRc02	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	es/CFNRc
ISDN selection	Call to a forwarding subscriber (CFI	NRc)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = No). (See note)	
Test purpose:	Ensure that when user A calls user	B, if detached the call is forwarded to
	user C.	
	User A is not notified of call diversion	on.
	User C receives a SETUP message	e with the information that the incoming call is a
	forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC = I_BC_ID;	
values:	C : ? BC = I_BC_ID;	
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	are not in line with the El exchange according to E	tions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not a indication that the incoming call is a forwarded call is to user.

IUG_xxSSCFNRc01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRc
ISDN selection	Call to a forwarding subscriber (CF	NRc)
criteria:		•
PLMN selection criteria:	The user B is in network N2 and is diversion" = Yes). (See note)	provided with CFNRc ("calling user is notified of call
Test purpose:	Ensure that when user A calls user B, if detached , the call is forwarded to user C. User A is notified of call diversion. User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC = I_BC_ID;	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:	$GSM-BC = G_BC_ID;$	
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user.

IUG xxSSCFNRc02	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	S 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	S 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	es/CFNRc
ISDN selection	Call to a forwarding subscriber (CFN	Rc)
criteria:		
PLMN selection	The user B is in network N2 and is p	rovided with CFNRc ("calling user is notified of call
criteria:	diversion" = No). (See note)	
Test purpose:	Ensure that when user A calls user E user C. User A is not notified of call diversion	B, if detached the call is forwarded to
	User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter values:	CFNRc active, the user is detached GSM-BC = G_BC_ID;	
Comments:	are not in line with the EN exchange according to EN	ons of the call forwarding Supplementary_services 302 646-1, item 6.1.1.10 (MSC acts like a diverting 300 356-15). The served mobile subscriber has not indication that the incoming call is a forwarded call is a server.

IUP_xxSSCFNRc01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRc
ISDN selection	Call to a forwarding subscriber (CF	NRc)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls user User A is notified of call diversion.	B, if detached , the call is forwarded to user C.
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	are not in line with the E exchange according to E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is 4-to user.

IUP_xxSSCFNRc02	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection	Call to a forwarding subscriber (CFNRc)	
criteria:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion" = No). (See note)	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to	
	user C.	
	User A is not notified of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

TSSreference:	clause 9.2.4.4, clause 9.2.5 SDN-UMTS/Supplementary_servic	TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	SDN-UMTS/Supplementary_service	,
		· · · -
.00.		es/CFNRc
ISDN selection	Call to a forwarding subscriber (CFI	NRc)
criteria:		
PLMN selection	The user B is in network N2 and is p	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls user	B, if detached , the call is forwarded to user C.
ι	User A is notified of call diversion.	
ι	User C receives a SETUP message	with the NotifySSoparation that the incoming call is
a	a forwarded call.	
E	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
p	performed correctly if tones/announcement are applied.	
E	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:	$GSM-BC = G_BC_ID;$	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU xxSSCFNRc02	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFNRc
ISDN selection	Call to a forwarding subscriber (CF	NRc)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = No). (See note)	
Test purpose:	Ensure that when user A calls user	B, if detached the call is forwarded to
	user C.	
	User A is not notified of call diversi	
		e with the NotifySSoparation that the incoming call is
	a forwarded call.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:	$GSM-BC = G_BC_ID;$	
Comments:		otions of the call forwarding Supplementary_services
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
	exchange according to EN 300 356-15). The served mobile subscriber has not	
		e indication that the incoming call is a forwarded call is
		to user. The setting of the redirecting number to the
		in the ISUP signalling of GSM operators has to be
	considered as an impler	nentation option.

IU xxSSHOLD01	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IU xxSSHOLD02	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
ISDN parameter	BC = I_BC_ID	_
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IU xxSSHOLD03	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non -served user during the held state.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSHOLD04	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	es/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IUxxSSHOLD05	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of	
	call hold and that the call can be released from the called user in the held state.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSHOLD06	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 124 083, clause 2
	ETS 300 196, clause 7.1	TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñserved user during the held state.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSCW01	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1, clause 7	TS 124 083, clause 1
	EN 300 403-1, clause 4.5.2.1	TS 123 083, clause 1
TSSreference:	ISDN-UMTS/Supplementary_se	rvices/CW
ISDN selection	CW	
criteria:		
PLMN selection	The called user is provided with	CW.
criteria:	·	
Test purpose:	Ensure that the called user (MS) responds with CALL-CONFIRMED and ALERTING (where the call is a waiting call), the calling user receives ALERTING message containing a Notification indicator information element coded as "call is a waiting call".	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSCW02	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1, clause 7	TS 124 083, clause 1
	EN 300 403-1, clause 4.5.2.1	TS 123 083, clause 1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CW
ISDN selection	CW	
criteria:		
PLMN selection	The called user is provided with CW.	
criteria:		
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:	_ _	
Comments:		

IU xxSSUUS1i01	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.1,	TS 124 008, clause 10.5.4.25,
	clause 9.1.2.1	
	EN 300 403-1, clause 4.5.30	
TSSreference:	ISDN-UMTS/Supplementary service	ces/UUS1
ISDN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria:		
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that the network can transport a User-user information element included in the	
	SETUP message sent from the call	ing user and delivered in the SETUP message sent
	by the network to the called user.	
ISDN parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G_BC_ID, UI length = 32	
values		
Comments:		

IU xxSSUUS1i02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.1	TS 124 008, clause 10.5.4.25
	EN 300 403-1, clause 4.5.30	
TSSreference:	ISDN-UMTS/Supplementary_serv	rices/UUS1
ISDN selection	The calling (served) user is provide	led with UUS1 implicit request.
criteria:		
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
ISDN parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G_BC_ID, UI length =	32
values	_	
Comments:		

IU xxSSUUS1i03	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.1	TS 124 008. clause 10.5.4.25
	EN 300 403-1, clause 4.5.30	10 12 1 000, 01000 101011120
TSSreference:	ISDN-UMTS/Supplementary service	ces/UUS1
ISDN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria:		·
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included in the CONNECT message sent from the called user to the	
	calling user.	
ISDN Parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G BC ID, UI length = 32	
values:	_ _	
Comments:		

IUxxSSUUS1i04	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.2.1a	TS 124 008, clause 10.5.4.25,
	EN 300 403-1,	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1
ISDN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria:		•
PLMN selection	UUS1i	
criteria:		
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G_BC_ID, UI length = 3	32
values		
Comments:		

IUxxSSUUS1i05	PLMN ref. to	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.2.1b	TS 124 008, clause 10.5.4.25,
	EN 300 403-1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1
ISDN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria:		·
PLMN selection	UUS1i	
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
ISDN parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G_BC_ID, UI length = 32	
values		
Comments:		

IU_xxSSUUS1i06	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	TS 124 008, clause 10.5.4.25,
	EN 300 403-1, clause 7	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1i
ISDN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria:		·
PLMN selection	UUS1i	
criteria:		
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded by the network without disrupting normal call handling.	
ISDN Parameter	BC = I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC = G_BC_ID, UI length = 32	
values:	_	
Comments:		

IUxxSSUUS1e01	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.1	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1e
ISDN selection	UUS1 e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "preferred" (not-essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSSUUS1e02	ISDN ref. to: EN 300 055-1, clause 9.1.1.2.2	PLMN ref. to: EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	ISDN-UMTS/Supplementary service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "preferred", the called user shall include a service 1 rejection in the ALERTING message sent to the called network. The called network shall include the error value "rejectedByUser" in the alerting indication. The calling network shall also include this rejection in the corresponding ALERTING message to the calling user.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:	_	
Comments:		

IUxxSSUUS1e03	ISDN ref. to: EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	PLMN ref. to: EN 300 646-1, clause 6.1.1.4	
TSSreference:	ISDN-UMTS/Supplementary servi	ces/UUS1e	
ISDN selection criteria:	UUS1e	UUS1e	
PLMN selection criteria:			
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The called network shall include the error value "rejectedByUser" in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user.		
ISDN Parameter	BC = I_BC_ID		
values:			
PLMN parameter values:	GSM-BC = G_BC_ID		
Comments:			

IUxxSSUUS1e04	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4	
	EN 300 403-1, clause 7	TS 124 087, clause 4.1.2	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1e	
ISDN selection	UUS1e		
criteria:			
PLMN selection	Destination network rejects explic	it the UUS1 request	
criteria:			
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination network		
	rejects explicit the UUS1 request without disrupting normal call handling.		
	The calling network shall include a service 1 rejection with the error value		
	"rejectedByUser" in a CALL PROCEEDING, PROGRESS,		
	ALERTING or CONNECT message to the calling user.		
ISDN Parameter	BC = I_BC_ID		
values:			
PLMN parameter	GSM-BC = G BC ID		
values:			
Comments:	If the network already has or has obtained the knowledge that the network itself or the		
	called user cannot support service	1 and it was explicitly requested as non-essential, a	
		is returned in the user-to-user indicators parameter in	
	the address complete, call progres	s, answer, connect, or release messages.	

IUxxSSUUS1e05	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
ISDN Parameter	$BC = I_BC_ID$,	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU_xxSSUUS1e06	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
ISDN Parameter	BC = I_BC_ID,	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSSUUS1e07	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1	TS 124 087
	EN 300 403-1	TS 123 087, clause 4.1.2.1,
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSUUS1e08	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1	TS 124 087
	EN 300 403-1	TS 123 087, clause 4.1.2.1, 5.1.1, annex A
TSSreference:	ISDN-UMTS/Supplementary service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSUUS1e09	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", and the called network already has obtained knowledge that the network itself cannot support service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".	
ISDN Parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSUUS201	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.2.1	EN 300 646-1, clause 6.1.1.4
		TS 124 087, clause 4.2.1.2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS2
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSSUUS202	ISDN ref. to: EN 300 055-1, clause 9.2.1.2	PLMN ref. to: EN 300 646-1, clause 6.1.1.4
		TS 124 087, clause 4.2.1.2
TSSreference:	ISDN-UMTS/Supplementary_se	rvices/UUS2
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, a UUS2 rejection with the Error value "rejected by the user, it is returned to the calling user in a ALERTING message sent from the network and the call can be established.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU xxSSUUS203	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087, clause 4.2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS2
ISDN selection	UUS2	
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as "preferred" (not- essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IU xxSSUUS204	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	TS 124 087
	EN 300 403-1, clause 7	TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS2
ISDN selection	UUS 2 e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "required", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSUUS205	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	TS 124 087
	EN 300 403-1, clause 7	TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_serv	rices/UUS2
ISDN selection	UUS2 e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "required", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
ISDN Parameter	BC = I BC ID	ciedi ille cali.
values:	B0 = 1_B0_1B	
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IU xxSSUUS206	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	TS 124 087
	EN 300 403-1, clause 7	TS 123 087]
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/UUS2
ISDN selection	UUS2	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does	
	not receive an ALERTING message before receiving the CONNECT message from the	
	called user, the served subscriber s	shall clear the call.
ISDN Parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IU xxSSUUS301	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087, clause 4.3.1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "preferred", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IU xxSSUUS302	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1, clause 6.1.1.4	
	EN 300 403-1, clause 7	TS 124 087, clause 4.3.1	
TSSreference:	ISDN-UMTS/Supplementary serv	ices/UUS3	
ISDN selection	UUS3		
criteria:			
PLMN selection	Ensure that after the calling user r	Ensure that after the calling user request UUS3 during call establishment indicating	
criteria:	"preferred", if the network does not receive an explicit acceptance or rejection in the		
	CONNECT message from the called user, a UUS3 rejection with the Error value		
	"rejected by the user" is included i	n the CONNECT message sent to the calling user.	
Test purpose:			
ISDN Parameter	BC = I BC ID		
values:			
PLMN parameter	GSM-BC = G BC ID		
values:			
Comments:			

IU xxSSUUS303	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087, clause 4.3.1
TSSreference:	ISDN-UMTS/Supplementary_servi-	ces/UUS3
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "required",	
	the network can transport USER INFORMATION messages in both directions during the	
	Active state of the call.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IU xxSSUUS304	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.2.1	TS 124 087
	EN 300 403-1, clause 7	TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS3
PLMN selection	UUS3	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS	
	required", if the network does not receive an explicit acceptance or rejection in the	
	CONNECT message from the calle	ed user, the served subscriber shall clear the call.
PLMN parameter	BC = I_BC_ID	
values orign.:		
PLMN parameter	GSM-BC = G_BC_ID	
values term.:		
Comments:		

IU xxSSUUS305	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.2.1	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	TS 124 087, clause 4.3.2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating "preferred", if	
	the network can transport USER INFORMATION messages in both directions during the	
	Active state of the call.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSSUUS306	ISDN ref. to: EN 300 055-1, clause 9.3.2.2 EN 300 403-1, clause 7	PLMN ref. to: EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.2
TSSreference:	ISDN-UMTS/Supplementary_serv	rices/UUS3
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "preferred", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI xxSNECT01	ISDN ref. to:	PLMN ref. to:
_	EN 300 369-1, clause 9	TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection		
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state-Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUI xxSNECT02	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary service	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection		
criteria:		
Test purpose:	User A is in network N1 and is prov	rided with ECT using implicit linkage. User B and user
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call A-B is in the Active call sate	
	and the call A-C is in the Active call state ñ Call Held auxiliary state, a connection	
	between user B and user C is established and the calls	
	A-B and A-C are released.	
	The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_	
Comments:		

IUI xxSNECT03	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary service	,
ISDN selection	ECT	·
criteria:		
PLMN selection		
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state-Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUI_xxSNECT04	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection		
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state and the call A-C is in the Call Delivered State-Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSSCCBS01	ISDN ref. to: PLMN ref. to:	
	EN 300 359-1, clause 9.1.2 EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection	OLE and DLE are supporting the CCBS supplementary service and this supplementary	
criteria:	service is available to user A.	
	Signalling procedures at the coincident S and T reference point	
	recall option = RO_ID	
	User A is in network N1, user B is in network N2	
PLMN selection		
criteria:	F	
Test purpose:	Ensure that user A can establish a successful CCBS call setup if a multipoint configuration exits.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 and CCBS Idle state and Retention Active state for CCBS, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, sends a FACILITY message containing a Facility information element with a CCBSRequest return result component including the CCBSReference and recallMode.	
	The network N1 in the Null call state N00 and CCBS Activated state in order to indicate that it is prepared for establishment of the requested call, sends a FACILITY message (UI frame) containing a Facility information element with a CCBSRemoteUserFree invoke component including the recallMode, cCBSReference, addressOfB and q931InfoElement.	
The network in the Null call state N00 and CCBS Free state, on receipt of a SETUP message containing Bearer capability information element(s) from the call and a Facility information element with a CCBSCall invoke component in CCBSReference from the previously sent CCBSRemoteUserFree invoke concontinues en-bloc basic call procedures using the retained call information ar call state N01.		

IUxxSSCCBS02	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1, clause 9.4.3.1,	EN 300 646, clause 6.1.1.14	
	clause 9.4.4.1		
TSSreference:	ISDN-UMTS/Supplementary_service	s/CCBS	
ISDN selection	OLE and DLE are supporting the CC	BS supplementary service and this supplementary	
criteria:	service is available to user A.	service is available to user A.	
	Signalling procedures at the coincide	ent S and T reference point.	
	User A is in network N1, user B is in	network N2.	
PLMN selection			
criteria:			
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING message. User A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".		
ISDN parameter values:	BC = I_BC_ID		
PLMN parameter values:			
Comments:	to indicate that user B has responded sends an ALERTING message follow	proceeding call state N03 and CCBS Call Init state, d to the call with an ALERTING message, wed by a FACILITY message containing a Facility se invoke indicating cCBSEraseReason "normal-19 N04.	

IUxxSSCCBS03	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CCBS
ISDN selection	OLE and DLE are supporting the C	CCBS supplementary service and this supplementary
criteria:	service is available to user A.	
	Signalling procedures at the coinci-	dent S and T reference point.
	User A is in network N1, user B is	n network N2.
PLMN selection criteria:		
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a CONNECT message, user A receives a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with a CONNECT message, sends a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N10.	

IU_xxSSCCBS04	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1, clause 9.2.1,	EN 300 646, clause 6.1.1.14
	clause 9.4.4.1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCBS
ISDN selection	OLE and DLE are supporting the C	CBS supplementary service and this supplementary
criteria:	service is available to user A.	
	Signalling procedures at the coincid	lent S and T reference point.
	User A is in network N1, user B is in	n network N2.
PLMN selection		
criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS Activated state the	
	user can initiate the deactivation procedure.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	Ensure that the user (when the net	work A is in the call state N00 and CCBS Activated
	state), on receipt of a FACILITY message containing a Facility information element with	
	a CCBSDeactivate invoke component including the correct CCBSReference parameter,	
	sends to user A a FACILITY message containing a Facility information element with a	
	CCBSDeactivate return result component with CCBSEraseReason indicating "normal-	
	unspecified" and a Facility message containing a Facility information element with a	
	CCBSerase invoke component.	

IUxxSSCCBS05	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point	
	User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS free state the user can initiate the deactivation procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS free state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

IU xxSSCCBS06	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCBS
ISDN selection	Network A and network B are supp	orting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coincid	dent S and T reference point.
PLMN selection		
criteria:		
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IU xxSSCCBS07	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CCBS	
ISDN selection		porting the CCBS supplementary service and this	
criteria:	supplementary service is available	to user A.	
	Signalling procedures at the coinci Recall option = RO ID.	Signalling procedures at the coincident S and T reference point. Recall option = RO_ID.	
PLMN selection criteria:			
Test purpose:	Ensure that if network A cannot accept the request because no B-channel can be selected, network A shall suspend the CCBS request at network B.		
ISDN parameter values:	BC = I_BC_ID		
PLMN parameter values:			
Comments:	Bearer capability information elem element with a CCBSCall invoke c previously sent CCBSRemoteUser selected, the network A sends to u	S free state on receipt of SETUP message containing ent from the original call and a Facility information omponent including the CCBSReference from the Free invoke component, when no B-channels can be ser a RELEASE COMPLETE with the cause #34 or Furthermore, network A shall suspend the CCBS	

IU xxSSCCBS08	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary service	ces/CCBS
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. The network option "CCBS request retention" is set to "yes".	
PLMN selection criteria:		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	State, if network B cannot establish	utgoing Call Proceeding state and CCBS Call Init the call because user B is busy again, the network A ot containing a Facility information element with a user B for being not busy.

IU xxSSCCBS09	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCBS	
ISDN selection	Network A and network B are supp	orting the CCBS supplementary service and this	
criteria:	supplementary service is available		
	Signalling procedures at the coincid		
	Network option "CCBS request rete	ention" is set to "no".	
	Multipoint configuration.		
PLMN selection			
criteria:			
Test purpose:		tablish the call because user B is busy again, network	
		earing. User A can activate the CCBS supplementary	
	•	service again.	
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	State, where a multipoint configu because user B is busy again:	utgoing Call Proceeding state and CCBS Call Init ration exists, if network B cannot establish the call	
		ISCONNECT or RELEASE COMPLETE message ement with a CallInfoRetain invoke component	
	CCBSErase invoke component inc failed.	ame) containing a Facility information element with a luding CCBSEraseREason encoded as "basic-call-	
	User A can activate the CCBS sup	piementary service again.	

IUxxSSCCBS10	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplemen	tary_services/CCBS	
ISDN selection criteria:	supplementary service is	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.	
	Signalling procedures at the coincident S and T reference point. Network option "CCBS request retention" is set to "no". multipoint configuration.		
PLMN selection criteria:	•		
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, if network B cannot establish the call for any reason other than the called user is busy: the network A sends to user A a DISCONNECT message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-callfailed. User A can activate the CCBS supplementary service again.		
ISDN parameter values:	BC = I_BC_ID		
PLMN parameter values:			
Comments:			

IU xxSSCCBS11	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCBS
ISDN selection	Network A and network B are supp	orting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coincident S and T reference point.	
PLMN selection		
criteria:		
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint configuration exists, and the T-CCBS3 expires:	
	the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IUI xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:	
OL01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:		ISDN-UMTS/Supplementary services/CFU CLI COL	
ISDN selection		etwork N1. User A is provided with CLIP and COLP	
criteria:	user C is provided with CLIP.	·	
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion "	
criteria:	= Yes). (See note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE (See note) giving the reason for call diversion with the presentation indicator set to presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C: ? BC = I_BC_ID;		
PLMN parameter	CFUactive		
values:		N N N N N N N N N N N N N N N N N N N	
Comments:	or CALL PROCEEDING (state Not INFORMATION or NOTIFY (state INOTIFY (state INOTIFY (state INOTIFY (state INOTIFY (state Not)) message. The presentation of the diverted-to supplementary service of the divert presentation indicator can be containformation or PROGRESS(state Not) message. User C can receive a SETUP messag	with a Notification indicator IE contained in a NOTIFY I), ALERTING, PROGRESS, CONNECT, NO3), PROGRESS, CONNECT, INFORMATION or number is allowed accordance with the COLR ted-to user. The Redirection number IE with the ained in the ALERTING, CONNECT, NOTIFY, ate NO3), CONNECT, NOTIFY, INFORMATION or sage containing one Redirecting number IE giving be presentation indicator set to "presentation allowed". So the call forwarding Supplementary_services or ETSI EN 300 646-1 V4.2.2 (1999-05), item 46-1 V4.2.2 (1999-05), item 6.1.1.10 (MSC acts like a proding to EN 300 356-15). The served mobile shill to decide if the indication that the incoming call beased to the diverted-to user. The setting of the the forwarded-to subscriber in the ISUP signalling of the considered as an implementation option.	

IUI xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:	
OL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_servi		
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and		
PLMN selection		ed with CFU("calling user is notified of call diversion"	
criteria:	= Yes) and CLIP.(See note)		
Test purpose:	Ensure that when user A calls user		
		and the presentation of the diverted-to number is not a supplementary service of the diverted-to user.	
		g number IE giving the reason for call diversion with	
	the presentation indicator set to "pr		
		number is provided by the calling user, the Calling	
		is delivered to the called user without any digit	
	information.		
		ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annou		
		(N10) the voice/data transfer on the B-channels is	
IODNI	performed correctly.		
ISDN parameter values:	A: ! BC = I_BC_ID; C: ? BC = I_BC_ID;		
PLMN parameter	CFUactive		
values:	Of Oddive		
Comments:	User A is notified of call diversion	with a Notification indicator IE contained in a NOTIFY	
		I), ALERTING, PROGRESS, CONNECT,	
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or		
	NOTIFY (state N04) message.		
	The presentation of the diverted-to number is not allowed accordance with the COLR		
	supplementary service of the diverted-to user.		
		he numbering identification field and the type of	
		nout a number digits field and the presentation	
		restricted" can be included in the ALERTING,	
		TION (state N03), CONNECT, NOTIFY or	
	INFORMATION (state N04) messa		
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving		
	Ithe reason for call diversion with th	the reason for call diversion with the presentation indicator set to "presentation allowed".	
	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
	NOTE: Stage 1, 2 and 3 description are not in line with the E	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	NOTE: Stage 1, 2 and 3 descrip are not in line with the E exchange according to I	otions of the call forwarding Supplementary_services IN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not	
	NOTE: Stage 1, 2 and 3 descrip are not in line with the E exchange according to I the ability to decide if th	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	NOTE: Stage 1, 2 and 3 descrip are not in line with the E exchange according to I the ability to decide if th released to the diverted	otions of the call forwarding Supplementary_services IN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is	
	NOTE: Stage 1, 2 and 3 descrip are not in line with the E exchange according to I the ability to decide if th released to the diverted	otions of the call forwarding Supplementary_services in 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user. The setting of the redirecting number to the in the ISUP signalling of GSM operators has to be	

IUI xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:
OL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary service	ces/CFU CLI COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	•
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion"
criteria:	= No) and CLIR. (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	A: ! BC = I_BC_ID;	
values:	C: ? BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTIFY or INFORMATION (state I N04) message. User C can receive a SETUP mess the reason for call diversion with th restricted". NOTE: Stage 1, 2 and 3 descrip are not in line with the E exchange according to E the ability to decide if the released to the diverted-	not be included in the ALERTING, CONNECT, N03), CONNECT, NOTIFY or INFORMATION (state sage containing one <i>Redirecting number</i> IE giving e presentation indicator set to "presentation obtions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not e indication that the incoming call is a forwarded call is to user. The setting of the <i>redirecting number</i> to the in the ISUP signalling of GSM operators has to be nentation option.

IUGxxSICFU_CLI_	ISDN ref. to:	PLMN ref. to:
COL01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFU_CLI_COL
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion
criteria:	"= Yes) and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	$BC = I_BC_ID;$	
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

IUGxxSICFU_CLI_	ISDN ref. to:	PLMN ref. to:	
COL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFU_CLI_COL	
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and	CLIP.	
PLMN selection		ed with CFU("calling user is notified of call diversion"	
criteria:	= Yes) and CLIP.		
Test purpose:	Ensure that when user A calls user	•	
		and the presentation of the diverted-to number is not	
		supplementary service of the diverted-to user.	
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	•	
ISDN parameter	BC = I_BC_ID;		
values:			
PLMN parameter	CFUactive		
values:			
Comments:			

IUG xxSICFU CLI	ISDN ref. to:	PLMN ref. to:
COL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
OOLOG		*
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFU_CLI_COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion"
criteria:	= No) and CLIR. (Note 2)	
Test purpose:	Ensure that when the Calling party party number information element i Ensure that in the call delivered staperformed correctly if tones/annour Ensure that in the active call state (performed correctly.	on and not informed of the diverted-to number. number is provided by the calling user the Calling s correctly delivered to the called user C. te (N4) the transfer of tone on the B-channel is
ISDN parameter	BC = I_BC_ID;	
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

IUU xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:	
OL01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary service	,	
ISDN selection		etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	,	
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion	
criteria:	"= Yes)	, ,	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
1	User A is notified of call diversion a	and the presentation of the diverted-to number is	
		R supplementary service of the diverted-to user.	
		at the call has been forwarded with the appropriate	
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	$BC = I_BC_ID;$		
values:			
PLMN parameter	CFUactive		
values:			
Comments:			

IUU xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:
OL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary service	ces/CFU CLI COL
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with COLR and	CLIP.
PLMN selection	The user B is in network N2 provide	ed with CFU("calling user is notified of call diversion"
criteria:	= Yes)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	$BC = I_BC_ID;$	
PLMN parameter values:	CFUactive	
Comments:		

IUU xxSICFU CLI C	ISDN ref. to: PLI	MN ref. to:
OL03	EN 300 207-1, clause 9.2.2, TS	124 082, clause 1
	clause 9.2.5	123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/0	CFU_CLI_COL
ISDN selection		ork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection		rith CFU("calling user is notified of call diversion"
criteria:	= No) and CLIR. (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	are not in line with the EN 30 exchange according to EN 3	s of the call forwarding Supplementary_services 02 646-1, item 6.1.1.10 (MSC acts like a diverting 00 356-15). The served mobile subscriber has not lication that the incoming call is a forwarded call is ser.

IUI xxSICFB CLI C	ISDN ref. to: PLMN ref. to:		
OL01	EN 300 207-1, clause 9.2.2, TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary services/CFB CLI COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFBUDUB ("calling user is notified of		
criteria:	call diversion" = Yes). (See note)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C: ? BC = \(\bar{I}_BC_ID;		
PLMN parameter	CFBUDUB active		
values:			
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed" NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

IUI xxSICFB CLI C	ISDN ref. to:	PLMN ref. to:	
OL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary services/CFB CLI COL		
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and		
PLMN selection		ed with CFB UDUB ("calling user is notified of call	
criteria:	diversion" = Yes).(See note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	A: ! BC = I BC ID;		
values:	C: $PBC = \overline{I} BC \overline{I}$		
PLMN parameter values:	CFBUDUB active		
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

IUI xxSICFB CLI C	ISDN ref. to: PLMN ref. to:	
OL03	EN 300 207-1, clause 9.2.2, TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary services/Speech/CFB CLI COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFBUDUB ("calling user is notified of	
criteria:	call diversion" = No) and CLIR. (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number.	
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A : ! BC = I_BC_ID;	
values:	C: ? BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	The Redirection number IE shall not be included in the ALERTING, CONNECT,	
Comments.	NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state	
	N04) message.	
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving	
	the reason for call diversion with the presentation indicator set to "presentation	
	restricted". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the indication that the incoming call is a forwarded call is	
	released to the diverted-to user. The setting of the redirecting number to the	
	forwarded-to subscriber in the ISUP signalling of GSM operators has to be	
	considered as an implementation option.	
	Considered as an implementation option.	

IUI_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:
OL04 – –	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary services/CFB CLI COL	
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection		provided with CFB NDUB ("calling user is notified of
criteria:		o forwarding subscriber" = Yes). and CLIP (See note)
Test purpose:		user B, the call is forwarded to user C.
		and the presentation of the diverted-to number is
		supplementary service of the diverted-to user.
	User B is notified of call diversion.	
		ng number IE giving the reason for call diversion with
	the presentation indicator set to "pr	
		number is provided by the calling user the Calling
		s correctly delivered to the called user C.
		ate (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	
		(N10) the voice/data transfer on the B-channels is
ICDN personator	performed correctly.	
ISDN parameter	A: ! BC = I_BC_ID;	
values:	C: ? BC = I_BC_ID; CFBNDUB active	
PLMN parameter values:	CFBNDOB active	
Comments:	Llear A is natified of call diversion v	with a Natification indicator IE contained a NOTIEV or
Comments.	User A is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT,	
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.	
	The presentation of the diverted-to number is allowed accordance with the COLR	
	supplementary service of the diverted-to user. The Redirection number IE with the	
		nined in the ALERTING, CONNECT, NOTIFY,
		ate N03), CONNECT, NOTIFY, INFORMATION or
	PROGRESS(state N04) message.	, , ,
		sage containing one <i>Redirecting number</i> IE giving
		e presentation indicator set to "presentation allowed".
	User B is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message	
	of call diversion.	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services	
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
		EN 300 356-15). The served mobile subscriber has not
		e indication that the incoming call is a forwarded call is
		to user.The setting of the redirecting number to the
		in the ISUP signalling of GSM operators has to be
	considered as an impler	nentation option.

IUI_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and		
PLMN selection		ed with CFB NDUB ("calling user is notified of call	
criteria:		rwarding subscriber" = Yes) and CLIP (See note).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified of call diversion.		
	Ensure that when the Calling party party number information element information. Ensure that in the call delivered sta	number is provided by the calling user, the Calling is delivered to the called user without any digit ate (N4) the transfer of tone on the B-channel is	
	performed correctly.	ncement are applied. (N10) the voice/data transfer on the B-channels is	
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C: ? BC = I_BC_ID;		
PLMN parameter	CFBNDUB active		
values:			
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

IUI xxSICFB CLI C	ISDN ref. to: PLMN ref. to:		
OL06	EN 300 207-1, clause 9.2.2, TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5 TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary services/CFB CLI COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP, COLP, user		
criteria:	C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFBNDUB ("calling user is notified of		
criteria:	call diversion" = No; "notification to forwarding subscriber" = No) and CLIR. (See note)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User C can receive the <i>Redirecting number</i> IE with the presentation indicator set to		
	"presentation restricted".		
	User B is not notified of call diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	C: ? BC = I_BC_ID;		
PLMN parameter	CFBNDUB active		
values:			
Comments:	The Redirection number IE shall not be included in the ALERTING, CONNECT,		
	NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state		
	N04) message.		
	User C can receive a SETUP message containing one Redirecting number IE giving		
	the reason for call diversion with the presentation indicator set to "presentation		
	restricted".		
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting		
	exchange according to EN 300 356-15). The served mobile subscriber has not		
	the ability to decide if the indication that the incoming call is a forwarded call is		
	released to the diverted-to user. The setting of the redirecting number to the		
	forwarded-to subscriber in the ISUP signalling of GSM operators has to be		
	considered as an implementation option.		

IUG_xxSICFB_CLI_C	ISDN ref. to):	PLMN ref. to:
OL01	EN 300 207	'-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4	1.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS	S/Supplementary_services	ces/CFB_CLI_COL
ISDN selection	The user A	and the user C are in no	etwork N1. User A is provided with CLIP and COLP,
criteria:		ovided with CLIP.	
PLMN selection			provided with CFB UDUB ("calling user is notified of
criteria:	call diversion	n'' = Yes) and CLIP. (S	ee note)
Test purpose:	Ensure that	when user A calls busy	user B, the call is forwarded to user C.
			and the presentation of the diverted-to number is
			supplementary service of the diverted-to user.
	User C will	receive an indication the	at the call has been forwarded with the appropriate
	forwarding (
			number is provided by the calling user the Calling
			s correctly delivered to the called user C.
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A : ! BC = I_BC_ID;		
values:	C : ? BC = I_BC_ID;		
PLMN parameter	CFBUDUB active		
values:			
Comments:			tions of the call forwarding Supplementary_services
			N 302 646-1, item 6.1.1.10 (MSC acts like a diverting
			EN 300 356-15).The served mobile subscriber has not
			e indication that the incoming call is a forwarded call is
			to user.The setting of the redirecting number to the
			in the ISUP signalling of GSM operators has to be
	C	onsidered as an implen	nentation option.

IUG xxSICFB CLI C	ISDN ref. to:	PLMN ref. to:
OL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CLI_COL
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	CLIP.
PLMN selection	The user B is in network N2 provide	ed with CFB UDUB ("calling user is notified of call
criteria:	diversion" = Yes) and CLIP. (See n	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
ISDN parameter values:	performed correctly. BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	are not in line with the E exchange according to E the ability to decide if the released to the diverted-	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user. The setting of the redirecting number to the in the ISUP signalling of GSM operators has to be mentation option.

IUG_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Speech/CFB_CLI_COL	
ISDN selection	The user A and the user C are in ne	etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFB UDUB ("calling user is notified of	
criteria:	call diversion" = No) and CLIR.		
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.	
	User A is not notified of call diversion	on and not informed of the diverted-to number.	
	User C will receive an indication that	at the call has been forwarded with the appropriate	
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		N10) the voice/data transfer on the B-channels is	
	performed correctly.	,	
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFBUDUB active		
values:			
Comments:			

IUI_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:		
OL04	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2		
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2		
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CLI_COL		
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.			
PLMN selection	The user B is in network N2 and is	provided with CFB NDUB ("calling user is notified of		
criteria:	call diversion" = Yes; "notification t	o forwarding subscriber" = Yes).		
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.		
	User A is notified of call diversion a	and the presentation of the diverted-to number is		
	allowed accordance with the COLF	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.			
	User C will receive an indication that the call has been forwarded with the appropriate			
	forwarding condition.			
	Ensure that when the Calling party number is provided by the calling user the Calling			
	party number information element is correctly delivered to the called user C.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state	(N10) the voice/data transfer on the B-channels is		
	performed correctly.			
ISDN parameter	BC = I BC ID;			
values:				
PLMN parameter	CFBNDUB active			
values:				
Comments:				

IUG_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CLI_COL	
ISDN selection	The user A and the user C are in ne	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and		
PLMN selection		ed with CFB NDUB ("calling user is notified of call	
criteria:	diversion" = Yes , "notification to for	warding subscriber" = Yes)	
Test purpose:	Ensure that when user A calls user		
		ne presentation of the diverted-to number is not	
		supplementary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFBNDUB active		
values:			
Comments:			

	•		
IUG_xxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL06	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CLI_COL	
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFB NDUB ("calling user is notified of	
criteria:	call diversion" = No; "notification to	forwarding subscriber" = No) and CLIR.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number.		
	User B is not notified of call diversion.		
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	BC = I_BC_ID;		
PLMN parameter values:	CFBNDUB active		
Comments:			

IUI xxSICFNRy CLI	ISDN ref. to:	PLMN ref. to:	
COL01	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
-	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary services/CFNRy CLI COL		
ISDN selection		etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	,	
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = Yes, "notification to for	warding subscriber" = Yes). and CLIP (See note).	
Test purpose:		B, if unanswered, the call is forwarded to user C.	
		The presentation of the diverted-to number is	
		R supplementary service of the diverted-to user.	
		ng number IE giving the reason for call diversion with	
	the presentation indicator set to "pr	resentation allowed".	
	User B is notified of call diversion.		
		number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.		
ISDN parameter	A : ! BC = I_BC_ID;		
values:	C : ? BC = I_BC_ID;		
PLMN parameter	CFNRy active		
values:			
Comments:	User A is notified of call diversion with a Notification indicator IE contained a NOTIFY or		
	CALL PROCEEDING (state No1), ALERTING, PROGRESS, CONNECT,		
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or		
	NOTIFY (state N04) message. The presentation of the diverted-to number is allowed		
	accordance with the COLR supplementary service of the diverted-to user. The		
	Redirection number IE with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03),		
		ON or PROGRESS(state N04) message. sage containing one <i>Redirecting number</i> IE giving	
		e presentation indicator set to "presentation allowed".	
		nvoke = NotifySS[CFNRy, SS-Notification]) message	
	of call diversion.	Tivoke = Notily55[CFNHy, 55-Notilication]) message	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services		
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
		EN 300 356-15). The served mobile subscriber has not	
		e indication that the incoming call is a forwarded call is	
		to user. The setting of the redirecting number to the	
	forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		
	Considered as all implen	nontation option.	

IUI xxSICFNRy CLI	ISDN ref. to:	PLMN ref. to:		
COL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1		
	clause 9.2.5	TS 123 082, clause 1		
TSSreference:	ISDN-UMTS/Supplementary services/Speech/CFNRy CLI COL			
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,			
criteria:	user C is provided with COLR and	CLIP.		
PLMN selection	The user B is in network N2 provide	ed with CFNRy ("calling user is notified of call		
criteria:		rwarding subscriber" = Yes) .(See note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.			
ISDN parameter	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.			
ISDN parameter	A: ! BC = I_BC_ID;			
values: PLMN parameter		C: ? BC = I_BC_ID;		
values:	CFNRy active			
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified with a FACILITY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.			

IUI_xxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:	
_COL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = No "notification to forw	arding subscriber" = No) and CLIR. (See note)	
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call diversion	on and not informed of the diverted-to number.	
	User C can receive the Redirecting	ng number IE giving the reason for call diversion with	
	the presentation indicator set to "pr	esentation restricted".	
	User B is not notified of call diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC = I_BC_ID;		
values:	$C: ? BC = \overline{I}_BC_ID;$		
PLMN parameter	CFNRy active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descrip	otions of the call forwarding Supplementary_services	
		N 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
		EN 300 356-15). The served mobile subscriber has not	
		e indication that the incoming call is a forwarded call is	
		to user.The setting of the redirecting number to the	
		in the ISUP signalling of GSM operators has to be	
	considered as an implen	nentation option.	

IUG_xxSICFNRy_CLI	ISDN ref.	to:	PLMN ref. to:
_COL01		03-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2	2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UM	TS/Supplementary_servi	ces/CFNRy_CLI_COL
ISDN selection	The user A	A and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided v		
PLMN selection			provided with CFNRy ("calling user is notified of call
criteria:	diversion"	= Yes , "notification to for	warding subscriber" = Yes). (See note)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.		
ISDN parameter values:	$BC = I_BC_ID;$		
PLMN parameter values:	CFNRy active		
Comments:	NOTE:	are not in line with the E exchange according to E the ability to decide if the released to the diverted-	otions of the call forwarding Supplementary_services N 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not be indication that the incoming call is a forwarded call is to user. The setting of the redirecting number to the in the ISUP signalling of GSM operators has to be mentation option.

IUG_xxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:	
_COL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Speech/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in ne	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and		
PLMN selection		ed with CFNRy ("calling user is notified of call	
criteria:	diversion" = Yes , "notification to for	warding subscriber" = Yes)	
Test purpose:	Ensure that when user A calls user		
		The presentation of the diverted-to number is not	
		supplementary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

IUG xxSICFNRy CLI	ISDN ref. to:	PLMN ref. to:	
COL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
_	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = No "notification to forw	rarding subscriber" = No) and CLIR.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number.		
	User B is not notified of call diversion.		
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

IUU_xxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:
_COL01	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_serv	rices/CFNRy_CLI_COL
ISDN selection	The user A and the user C are in	network N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection		s provided with CFNRy ("calling user is notified of call
criteria:		orwarding subscriber" = Yes). and CLIP (See note).
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
ISDN parameter values:	$BC = I_BC_ID;$	
PLMN parameter	CFNRy active	
values:	,	
Comments:	are not in line with the feethange according to the ability to decide if the released to the diverted	iptions of the call forwarding Supplementary_services EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting EN 300 356-15). The served mobile subscriber has not ne indication that the incoming call is a forwarded call is d-to user. The setting of the redirecting number to the r in the ISUP signalling of GSM operators has to be mentation option.

IUU_xxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:	
COL02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
_	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Speech/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and	CLIP.	
PLMN selection	The user B is in network N2 provide	ed with CFNRy ("calling user is notified of call	
criteria:	diversion" = Yes, "notification to for	rwarding subscriber" = Yes)	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
		The presentation of the diverted-to number is not	
	allowed accordance with the COLF	R supplementary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C will receive an indication the	at the call has been forwarded with the appropriate	
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
		ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annour	··	
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	BC = I_BC_ID;		
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

IUU_xxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:	
_COL03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call	
criteria:	diversion" = No "notification to forw	rarding subscriber" = No) and CLIR .	
Test purpose:		B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call diversi	on and not informed of the diverted-to number.	
	User B is not notified of call diversion	on.	
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC = I BC ID;		
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

IUI xxSICFNRc01	ISDN ref. to:	PLMN ref. to:
101_XX3101 N11001	EN 300 207-1, clause 9.2.2,	TS 124 082. clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary services/CFNRc CLI COL	
ISDN selection		etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	etwork INT. Oser A is provided with Other and COLF,
PLMN selection		provided with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes) and CLIP. (See r	note)
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
ISDN parameter	performed correctly. A: ! BC = I BC ID;	
values:	C : ? BC = I BC ID;	
PLMN parameter	CFNRc active, the user is detached	
values:	of twic active, the user is detached	
Comments:	User A is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI xxSICFNRc02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary services/CFNRc CLI COL	
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	
PLMN selection		ed with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes) and CLIP.(See no	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.	
	User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit	
	information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	A: ! BC = I BC ID;	
values:	C : ? BC = \overline{I}_BC_ID ;	
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. The Redirection number IE with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI xxSICFNRc03	ISDN ref. to: PLMN ref. to:	
-	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary services/Speech/CFNRc CLI COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion" = No) and CLIR .(See note)	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to	
	user C.	
	User A is not notified of call diversion and not informed of the diverted-to number.	
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with	
	the presentation indicator set to "presentation restricted".	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
IODAL	performed correctly.	
ISDN parameter	A: ! BC = I_BC_ID;	
values:	C: ? BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User A is not notified of call diversion and not informed of the diverted-to number. The	
Comments.	Redirection number IE shall not be included in the ALERTING, CONNECT, NOTIFY or	
	INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04)	
	message. User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving	
	the reason for call diversion with the presentation indicator set to "presentation	
	restricted".	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services	
	are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting	
	exchange according to EN 300 356-15). The served mobile subscriber has not	
	the ability to decide if the indication that the incoming call is a forwarded call is	
	released to the diverted-to user. The setting of the redirecting number to the	
	forwarded-to subscriber in the ISUP signalling of GSM operators has to be	
	considered as an implementation option.	

IUG xxSICFNRc01	ISDN ref. to: PLMN ref. to:	
_	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary services/CFNRc CLI COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion" = Yes). (See note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
values:	BC = I_BC_ID;	
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG_xxSICFNRc02	ISDN ref. to:	PLMN ref. to:		
_	EN 300 207-1, clause 9.2.2,	S 124 082, clause 1		
	clause 9.2.5	S 123 082, clause 1		
TSSreference:	ISDN-UMTS/Supplementary_service	es/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in net	work N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and CI	LIP.		
PLMN selection	The user B is in network N2 provided	d with CFNRc ("calling user is notified of call		
criteria:	diversion" = Yes) and CLIP. (See note	e)		
Test purpose:	Ensure that when user A calls user B	B, if detached, the call is forwarded to		
	user C.			
	User A is notified of call diversion. The	ne presentation of the diverted-to number is not		
		supplementary service of the diverted-to user.		
	User C will receive an indication that	the call has been forwarded with the appropriate		
	forwarding condition.			
		Ensure that when the Calling party number is provided by the calling user, the Calling		
	li.	delivered to the called user without any digit		
	information.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
	performed correctly.			
ISDN parameter	BC = I_BC_ID;			
values:				
PLMN parameter	CFNRc active, the user is detached			
values:				
Comments:	are not in line with the EN exchange according to EN the ability to decide if the i released to the diverted-to	ons of the call forwarding Supplementary_services 302 646-1, item 6.1.1.10 (MSC acts like a diverting 300 356-15). The served mobile subscriber has not indication that the incoming call is a forwarded call is a user. The setting of the redirecting number to the athe ISUP signalling of GSM operators has to be entation option.		

IUG_xxSICFNRc03	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3	
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRc_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion" = No) and CLIR.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to	
	user C.	
	User A is not notified of call diversion and not informed of the diverted-to number.	
	User C will receive an indication that the call has been forwarded with the appropriate	
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	BC = I BC ID;	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:		

IUU xxSICFNRc01	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFNRc_CLI_COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	·
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	1
Comments:		

IUU xxSICFNRc02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary service	ces/CFNRc CLI COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	CLIP.
PLMN selection	The user B is in network N2 provide	ed with CFNRc ("calling user is notified of call
criteria:	diversion" = Yes).	
Test purpose:	Ensure that when user A calls user user C.	B, if detached, the call is forwarded to
	User A is notified of call diversion.	The presentation of the diverted-to number is not
		supplementary service of the diverted-to user.
	User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state performed correctly.	(N10) the voice/data transfer on the B-channels is
ISDN parameter	BC = I BC ID;	
values:		
PLMN parameter	CFNRc active, the user is detached	d
values:	·	
Comments:		

•	•
ISDN ref. to:	PLMN ref. to:
EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
ISDN-UMTS/Supplementary_service	ces/Speech/CFNRc_CLI_COL
The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
user C is provided with CLIP.	
The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call
diversion" = No) and CLIR.	
Ensure that when user A calls user	B, if detached the call is forwarded to
user C.	
User A is not notified of call diversi-	on and not informed of the diverted-to number.
User C will receive an indication the	at the call has been forwarded with the appropriate
forwarding condition.	
Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
performed correctly if tones/announcement are applied.	
Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
BC = I BC ID;	
CFNRc active, the user is detached	
	EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5 ISDN-UMTS/Supplementary service. The user A and the user C are in neuser C is provided with CLIP. The user B is in network N2 and is diversion" = No) and CLIR. Ensure that when user A calls user user C. User A is not notified of call diversion. User C will receive an indication the forwarding condition. Ensure that when the Calling party party number information element in Ensure that in the call delivered state performed correctly if tones/annour Ensure that in the active call state (performed correctly.) BC = I_BC_ID;

IUI xxSICUG01	ISDN ref. to:	PLMN ref. to:
_	EN 300 138-1	TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Speech/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A, ISDN user C and PLMN user B belong to the same CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is successful.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = I_BC_ID	
values:		
Comments:	On PLMN side CUGSS according to the Stage 1 description.	

IUI xxSICUG02	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1	TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	On PLMN side CUGSS according to	to the stage 1 description.

IUI xxSICUG03	ISDN ref. to:	PLMN ref. to:
_	EN 300 138-1	TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally B has the CUG parameter OA = "allowed" and an active call forwarding to ISDN user C. C is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter		
values:		
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IUI xxSICUG04	ISDN ref. to:	PLMN ref. to:
_	EN 300 138-1	TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_service	es/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C, which is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IU xxSICUG05	ISDN ref. to:	PLMN ref. to:	
	EN 300 138-1	TS 122 085	
TSSreference:	ISDN-UMTS/Supplementary	services/Speech/CUG_CFU	
ISDN selection	CUG		
criteria:			
PLMN selection	CUG, CFU		
criteria:			
Test purpose:	ISDN user A, PLMN user B and ISDN user C belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C. Ensure that a call establishment is successful but the OA indicator is not provided to C.		
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter	GSM-BC = I_BC_ID	GSM-BC = I BC ID	
values:			
Comments:	On PLMN side CUGSS according to the stage 1 description.		

IUI xxSICFB01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = I_BC_ID	
values:		
Comments:		

IUI xxSICFB02	ISDN ref. to:	PLMN ref. to:
_	EN 300 403-1	TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Speech/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUI xxSICFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 082
TSSreference:	ISDN-UMTS/Supplementary service	ces/Speech/CFB CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall receive a call diversion notification.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:	_	
Comments:		

IUI_xxSICFB04	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1	TS 122 082	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CFB_CW	
ISDN selection			
criteria:			
PLMN selection	CW, CFB		
criteria:			
Test purpose:	PLMN user B is provided with CW	and an active CFB to ISDN user C. Additionally user	
	B has also call diversion notificatio	n = No.	
	ISDN user A has an active connec	tion to user B. PLMN user B is involved in an active	
	call with ISDN user D and in the same time he has a Waiting incoming call from ISDN		
	user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the		
	call will be forwarded to C. PLMN user B and the ISDN calling user A shall not receive a		
	call diversion notification.		
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter	GSM-BC = G_BC_ID	GSM-BC = G BC ID	
values:			
Comments:			

IUI xxSICFB05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. ISDN calling user A shall receive a call diversion notification while PLMN user B shall not receive a call diversion notification.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUIxxSICFB06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 TS 122 082	
TSSreference:	ISDN-UMTS/Supplementary services/CFB CW	
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSICLIP SUB0	ISDN ref. to:	PLMN ref. to:
1	EN 300 092-1, clause 9.3,	TS 124 008
	EN 300 403-1, clause 4.5.10,	TS 124 081
	clause 4.5.11	
TSSreference:	ISDN-UMTS/Supplementary service	ces/CLIP
ISDN selection	CLIP	
criteria:		
GSM selection	The called user is provided with CL	IP
criteria:	-	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is set to: TON_ID, with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter	$BC = I_BC_ID$,	
values:	Calling party number: PI = PA SI = UPVP, TON = TON_ID	
	Calling party subaddress	
GSM parameter	GSM-BC = G_ITC,	
values:	Calling party number: PI = PA, SI = UPVP, TON = national/international number	
	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
	Calling party subaddress	
Comments:		

Values for test purpose: IUxxSICLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON ID: international number
VA_04	TON ID: unknown

IU xxSICLIR SUB0	ISDN ref. to:	PLMN ref. to:
1	EN 300 093-1, clause 9.4.1	TS 124 008, clause 10.5.4.9, clause 10.5.4.10
	ETS 300 092-1/A2 figure 2	TS 124 081, clause 1
	-	TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CL	IP
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when the Calling party number is provided by the calling user, with Calling	
	. , , , ,	number information element is delivered to the called
	user without any digit information.	
ISDN parameter	$BC = I_BC_ID$,	
values:	Calling party number: PI = PA, TON = unknown, NPI = unknown	
PLMN parameter	GSM-BC = G BC ID,	
values:	Calling party number: PI = PR, TON = unknown, NPI = unknown, SI = NP	
Comments:		

IU xxSICLIR SUB0	ISDN ref. to:	PLMN ref. to:
2	EN 300 093-1, clause 9.4.1	TS 124 008, clause 10.5.4.9, clause 10.5.4.10
	ETS 300 092-1/A2 Figure 2	TS 124 081, clause 1,
		TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user to the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G BC ID, Calling party number: PI = PR, TON = unknown, NPI = unknown,	
values:	SI = NP	
Comments:		

IUxxSSCOLP_SU	ISDN ref. to:	PLMN ref. to:
B01	EN 300 097-1, clause 9.5.1	TS 124 008, clause 10.5.4.14
		TS 124 081, clause 3
		TS 123 081, clause 3
TSSreference:	ISDN-UMTS/Supplementary services/Speech/COLP/TC210301	
ISDN selection	The calling user is provided with COLP	
criteria:		
PLMN selection	COLP	
criteria:		
Test purpose:	Ensure that when the Connected subaddress is provided by the called user, the	
	Connected number and Connected subaddress information elements are correctly	
	delivered to the calling (served) user.	
ISDN parameter	BC = I BC ID;	
values:	Connected number: SI = NP, PI = PA, TON = national/international number,	
	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
	Connected subaddress	
PLMN parameter	GSM-BC = G BC ID;	
values:	Connected subaddress	
Comments:		

NON-SYMMETRICAL TESTS

IU xxSNTP01	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.1	EN 300 646-1, clause 6.1.1.3
	EN 300 403-1, clause 5.6	TS 124 008, clause 10.5.4.20
TSSreference:	ISDN-UMTS/Supplementary services/TP	
ISDN selection	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the	
	calling user (no call identity is used)	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:	The calling user must be a basic a	ccess.

IU xxSNTP02	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.2.2	EN 300 646-1, clause 6.1.1.3	
	EN 300 403-1, clause 5.6.5		
TSSreference:	ISDN-UMTS/Supplementary se	ISDN-UMTS/Supplementary services/TP	
ISDN selection	TP		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call reestablishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".		
ISDN Parameter	BC = I_BC_ID		
values:			
PLMN parameter	GSM-BC = G_BC_ID		
values:			
Comments:	The calling user must be a basic	c access.	

IUIxxSNCONF01	ISDN ref. to: PLMN ref. to: EN 300 185-1, clause 9.2.2, annex A, figure A.1	
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	COM DC C DC ID	
values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B is in network N2. User A sends a SETUP message including a Facility IE which shall contain a BeginCONF invoke component to the network. The network shall respond with a CALL PROCEEDING and a CONNECT message which shall include a BeginCONF return result component in a Facility IE [in the (Active, Idle) state]. After the reception off the CONNECT message, user A is initiating the call hold procedure, the call is an Active-Held connection. User A sends a SETUP message to user B. After the call establishment, user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUIxxSNCONF02	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.2	
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a conference from the Active call state.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").	
	NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUIxxSNCONF03		ref. to:	
	EN 300 185-1, clause 9.2.2, annex A, figure A.3	0 646, clause 6.1.1.8	
TSSreference:	ISDN-UMTS/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can add an existing call to the conference.		
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter values:	GSM-BC = G_BC_ID		
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.		
	User A calls user B (with CRx). After the call establishment		
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx).		
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").		
	After initiating of call hold, the call (CRx) is in an Active-Held connection.		
	User A sends a SETUP message to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a		
	new remote user has been added to the conference ("Other party added"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.		

IUIxxSNCONF04	ISDN ref. to: EN 300 185-1, clause 9.2.2, annex A, figure A.6 ISDN LIMES (Count less continue of CONE)	
TSSreference: ISDN selection criteria:	ISDN-UMTS/Supplementary_services/CONF CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). User C is calling user A. User A receives a SETUP (with CRy) message. User A answers with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
	the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUIxxSNCONF05	ISDN ref. to: EN 300 185-1, clause 9.2.2,	PLMN ref. to: EN 300 646, clause 6.1.1.8
	annex A, figure A.7-A.8	
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	and reattach user B.	a conference call with user B and user C and isolate
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is N2.	s provided with CONF. User B and C are in network
	N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP message to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a FACILITY message with a Facility IE including a IsolateCONF invoke component to request the isolation of the remote user B. The network shall send a FACILITY message with a Facility IE including a IsolateCONF return result component.	
	the user B has been reattached to User B shall receive a NOTIFY me user B is reattached to the conferences with a Facility IE includir reattachment of the remote user E Facility IE including a ReattachCC NOTE: The standard EN 300 6	46-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with .734.1. The PLMN does not support the sending of

IUI xxSNCONF06	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.9	
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a one party can be spitted.	conference call with user B and user C and verify that
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		provided with CONF. User B and C are in network
	N2.	
	User A calls user B (with CRx). Aft	
	[in the (Active, Idle) state] user A s	ends a FACILITY message including a Facility IE
	call to be added (CRx).	invoke component indicating the call reference of the
		A with a FACILITY message including a Facility IF
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that	
	the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection.	
	User A sends a SETUP message (CRy) to user C. After the call establishment [in the	
	(Active, Idle) state] User A sends a FACILITY message to the network indicating the call	
	reference of the call to be added (CRy) including an AddCONF invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
		essage with a Notification indicator IE indicating that conference ("Conference established").
		essage with a Notification indicator IE indicating that a
		to the conference ("Other party added").
		including a Facility IE which shall contain SplitCONF
	invoke component to request the s	
	The network shall send a CALL PROCEEDING, ALERTING without Channelid IE and a CONNECT message with a SplitCONF return component.	
		essage with a Notification indicator IE indicating that
	the user B has been split from the	
		essage with a Notification indicator IE indicating that
		onference ("conference disconnected").
		46-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with
	notifications to the remo	734.1. The PLMN does not support the sending of
L	Trouncations to the femo	นธ นอธาอ.

IUIxxSNCONF07	ISDN ref. to: PLMN ref. to:	
	EN 300 185-1, clause 9.2.2, EN 300 646, c	clause 6.1.1.8
	annex A, figure A.10-A.12	
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection criteria:		
Test purpose:	The user A is in network N1 and is provided with 0 N2.	CONF. User B and C are in network
	Ensure that user A can establish a conference cal user B can be disconnected from user A (with a D FACILITY message) from the conference and that using the basic call clear procedure.	ropCONF invoke component in a
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	GSM-BC = G BC ID	
values:	dow be = d_be_ib	
Comments:	The user A is in network N1 and is provided with 0 N2.	
	User A calls user B (with CRx). After the call estat	
	[in the (Active, Idle) state] user A sends a FACILIT which shall contain a BeginCONF invoke comporticall to be added (CRx).	
	The network shall respond to user A with a FACIL witch shall contain a BeginCONF return result con User B shall receive a NOTIFY message with a Nother user B has been added to the conference ("Co	nponent in a Facility IE. otification indicator IE indicating that onference established"). After initiating
	of call hold, the call (CRx) is in an Active-Held cor User A sends a SETUP message (CRy) to user C (Active, Idle) state] user A sends a FACILITY mes reference of the call to be added (CRy) including a The network shall send a DISCONNECT message with an AddCONF return result component.	5. After the call establishment [in the sage to the network indicating the call an AddCONF invoke component.
	User A sends RELEASE for CRy. The network results of C shall receive a NOTIFY message with a Nother user C has been added to the conference ("Couser B shall receive a NOTIFY message with a Nother new remote user has been added to the conference user A sends a FACILITY message with a Facility component to request to disconnect the remote user the network shall send a FACILITY message with	otification indicator IE indicating that conference established"). otification indicator IE indicating that a ce ("Other party added"). / IE including a DropCONF invoke ser B.
	return result component. User B shall be disconnected from the call with the User C shall receive a NOTIFY message with a N the user B has been disconnected from the confer A is terminating the conference sending a DISCO response with RELEASE and the user with RELE User C shall be disconnected from the network wi NOTE: The standard EN 300 646-1 V4.2.2 (19 the recommendation Q.734.1. The PLN notifications to the remote users.	otification indicator IE indicating that rence ("other party disconnected"). User NNECT message, the network ASE COMPLETE. th the normal call clearing procedures. 199-05), clause 6.1.1.8 is not in line with

IUI xxSNCONF08	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.11-A.12	, , , , , , , , , , , , , , , , , , ,
TSSreference:	ISDN-UMTS/Supplementary services/CONF	
ISDN selection	CONF	·
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a	conference call with user B and user C. The remote
	user B can disconnect the conference and that user A can terminate the conference	
	using the basic call clear procedure	9.
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:	The user A is in network N1 and is	provided with CONF. User B is in network N2.
		er the call establishment [in the (Active, Idle) state]
		e including a Facility IE which shall contain a
		licating the call reference of the call to be added
	(CRx).	
		A with a FACILITY message including a Facility IE
		eturn result component in a Facility IE.
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that	
	the user B has been added to the conference ("Conference established"). After initiating	
	of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP	
	message (Cry) to user C. After the call establishment [in the (Active, Idle) state] user A	
	sends a FACILITY message to the network indicating the call reference of the call to be	
	added (CRy) including an AddCON	
		NECT message (with CRy) to user A with a Facility IE
	with an AddCONF return result cor	
		The network response with RELEASE COMPLETE.
		ssage with a Notification indicator IE indicating that
		conference ("Conference established").
		ssage with a Notification indicator IE indicating that a
		o the conference ("Other party added").
		sage, the network shall send to user A a FACILITY
		g a PartyDISC invoke component with a parameter
	indicating the Partyld associated with the disconnected remote user. User C shall receive a NOTIFY message with a Notification indicator IE indicating that	
		onference ("other remote user disconnected").User A
	with RELEASE and the user with R	ng a DISCONNECT message, the network response
		the network with the normal call clearing procedures.
		I6-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with 734.1. The PLMN does not support the sending of
		• • • • • • • • • • • • • • • • • • • •
	notifications to the remo	ie useis.

IUGxxSNCONF01	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.1	
TSSreference:	ISDN-UMTS/Supplementary service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:	_ _	
Comments:		

IUG xxSNCONF02	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.2	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a	conference from the Active call state.
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	$GSM-BC = G_BC_ID$	
values:		
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUG xxSNCONF03	ISDN ref. to:	PLMN ref. to:	
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8	
	annex A, figure A.3		
TSSreference:	ISDN-UMTS/Supplementary_se	rvices/CONF	
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can add an	existing call to the conference.	
ISDN parameter values:	BC = I_BC_ID		
PLMN parameter values:	GSM-BC = G_BC_ID		
Comments:			

IUG xxSNCONF04	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.6	
TSSreference:	ISDN-UMTS/Supplementary service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an inco	oming call to the conference.
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IUG xxSNCONF05	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.7-A.8	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	·
values:	_	
Comments:		

IUG xxSNCONF06	ICDN rof to:	DI MNI rof to:
IUGxxSNCONF06	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.9	
TSSreference:	ISDN-UMTS/Supplementary_serv	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a	conference call with user B and user C and verify that
	one party can be spitted.	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IUGxxSNCONF07		PLMN ref. to: EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CONF
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. Ensure that user A can establish a conference call with user B and user C. Verify that user B can be disconnected from user A (with a DropCONF invoke component in a FACILITY message) from the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG xxSNCONF08	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646, clause 6.1.1.8
	annex A, figure A.11-A.12	
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote user B can disconnect the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI xxSN3PTY	ISDN ref. to:	PLMN ref. to:	
01	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary service	es/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:		three-way conversation call with user B and user C ion (A-C). After the completion of the Retrieve is performed from user A.	
ISDN parameter values:	BC = I_BC_ID		
PLMN parameter values:			
Comments:	network N2. User A calls user B (with CRx). After Held connection. User A is calling user C (with the Clay When user A sends a FACILITY message of the transport of a DISCONNECT message. After the release of the transport of the	her A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-led connection. her A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. hen user A sends a FACILITY message for CRx containing a facility IE with a heigin3PTY invoke component the network shall respond with a FACILITY message htaining a facility IE with a Begin3PTY return result component for CRx. User B and C hall receive a NOTIFY message containing a Notification Indicator IE with a notification her scription of "Conference established". The three-way bridge is established. her receipt of a DISCONNECT message from the user A relating to the Active-Idle hencetion (CRy) the network shall clear the call to user C with a DISCONNECT her assage. After the release of the three-way bridge the network is sending to the remote her B the notification "Remote hold". hen user A sends a RETRIEVE message for CRx the network shall send a NOTIFY her assage to user B containing a Notification indicator IE with a notification description of honference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE hersage. The call A-B has an Active-Idle connection. her call clearing procedure is performed from user A with a DISCONNECT message. The standard EN 300 646-1, clause 6.1.1.15 is not in line with the her recommendation Q.734.2. The PLMN does not support the sending of	

IUI xxSN3PTY	ISDN ref. to: PLMN ref. to:	
02	EN 300 188-1, clause 9.2 EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection	ЗРТУ	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B). The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2. User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. On receipt of a DISCONNECT message from the user A relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user C a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of	

IUI xxSN3PTY03	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:		three-way conversation call with user B and user C
	and release of both remote users, a	user B is released first.
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		provided with 3PTY. The user B and user C are in the
	network N2.	
	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-	
	Held connection.	
	User A is calling user C (with the Cry). The call (A-C) has an Active-Idle connection.	
	When user A sends a FACILITY message for CRx containing a facility IE with a	
	Begin3PTY invoke component the network shall respond with a FACILITY message	
	containing a facility IE with a Begin3PTY return result component for CRx. User B and C	
		ontaining a Notification Indicator IE with a notification
		hed". The three-way bridge is established.
	On receipt of a DISCONNECT message from the user A relating to the Active-Held	
	connection (CRx) the network shall clear the call to user B with a DISCONNECT	
	message.	
		oridge the network is sending to the remote user C a
		ification indicator IE with a notification description of
	"Conference disconnected".	
		ssage from the user A relating to the Active-Idl
		clear the call to user C with a DISCONNECT
	message.	104 04445; 1: 1: 11 11
		16-1, clause 6.1.1.15 is not in line with the
		The PLMN does not support the sending of
	notifications to the remo	te users.

IUI xxSN3PTY04	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_serv	ices/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and release of both remote users, user C is released first.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:	NOTE: The standard EN 300 6	46-1, clause 6.1.1.15 is not in line with the
	recommendation Q.734	.2. The PLMN does not support the sending of
	notifications to the remo	ote users.

IUIxxSN3PTY05	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and user B sends disconnect during the Three-Party communication.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		46-1 V4.2.2 (1999-05), clause 6.1.1.15 is not in line
	of notifications to the rer	n Q.734.2. The PLMN does not support the sending note users.

IUI xxSN3PTY06	ISDN ref.	to:	PLMN ref. to:
	EN 300 1	88-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UM	TS/Supplementary_servi	ces/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C		
	and user C sends disconnect during the Three-Party communication.		
ISDN parameter	$BC = I_BC_ID$		
values:			
PLMN parameter	$GSM-BC = G_BC_ID$		
values:			
Comments:	NOTE:	The standard EN 300 64	6-1, clause 6.1.1.15 is not in line with the
		recommendation Q.734.	The PLMN does not support the sending of
		notifications to the remo	te users.

IUI xxSN3PTY07	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	$GSM-BC = G_BC_ID$	
values:		
Comments:		46-1, clause 6.1.1.15 is not in line with the .2. The PLMN does not support the sending of te users.

TSSreference: ISDN selection criteria: PLMN selection criteria: Test purpose: ISDN parameter values: PLMN parameter values:	and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	EN 300 646, clause 6.1.1.14 ces/3PTY three-way conversation call with user B and user C n with user B. The call clearing procedure is
ISDN selection criteria: PLMN selection criteria: Test purpose: ISDN parameter values: PLMN parameter	BC = I_BC_ID GSM-BC = G_BC_ID	three-way conversation call with user B and user C
criteria: PLMN selection criteria: Test purpose: ISDN parameter values: PLMN parameter	Ensure that user A can establish a and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	
PLMN selection criteria: Test purpose: ISDN parameter values: PLMN parameter	and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	
criteria: Test purpose: ISDN parameter values: PLMN parameter	and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	
Test purpose: ISDN parameter values: PLMN parameter	and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	
ISDN parameter values: PLMN parameter	and create a private communicatio performed from user A. BC = I_BC_ID GSM-BC = G_BC_ID	
values: PLMN parameter	GSM-BC = G_BC_ID	
II		
values:	User A calls user B (with CRx). After	
	User A calls user B (with CRx). After	
Comments:	Held connection. User A is calling user C (with the C When user A sends a FACILITY m Begin3PTY invoke component the containing a facility IE with a Begin receive a NOTIFY message contain description of "Conference establistic The served user shall send an End FACILITY message with that CRx. FACILITY message, the network since it is remove the three-way bridge Held connection; ii) release the three-way bridge Held connection; iii) release the three-way bridge iii) return to the served user an message using the CRx of the injury is a NOTIFY message to required containing a Notification description of "Remote hold"; and you send a NOTIFY message to indicator information element we disconnected". When the served user receives a convitation a FACILITY message, the use injury is the CR relating to the Acting use the CR relating use the CR relating to the Acting use the CR relating	from both the Active-Idle connection and the Active- ; End3PTY return result component, within a FACILITY Active-Held connection; the remote user with which private communication is on indicator information element with a notification and, the other remote user containing a Notification with a notification description of "Conference correctly encoded End3PTY return result component, were shall accept the provided information and shall: tive-Idle connection, perform the Hold function extive-Held connection, perform the Retrieve function and Acknowled Endsample is sent) the network shall emote user that is not to be included in the private cation indicator information element with a notification uccessful completion of the Retrieve function (i.e. isage is sent) the network shall send a NOTIFY hom private communication is desired, containing a ement with a notification description of "Conference in element with a notification description of "Conference in element with a notification description of "Remote user under these circumstances.) Is item of this clause, the call state of the connections, a user, is unchanged. The auxiliary state of the cation changes from Call Held to Idle. The auxiliary ges from Idle to Call Held. 16-1, clause 6.1.1.15 is not in line with the cation changes from Support the sending of
	retrieval" is not sent to the remote as a result of the procedures of this at both the network and the served connection of the private communicate of the other connection chang NOTE: The standard EN 300 64	user under these circumstances.) s item of this clause, the call state of the connections, user, is unchanged. The auxiliary state of the cation changes from Call Held to Idle. The auxiliary ges from Idle to Call Held. 46-1, clause 6.1.1.15 is not in line with the .2. The PLMN does not support the sending of

IUI xxSN3PTY09	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2 EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:		three-way conversation call with user B and user C n with user C. The call clearing procedure is
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	GSM-BC = G BC ID	
values:	dolvi-bo = d_bo_lb	
Comments:	Held connection. User A is calling user C (with the C When user A sends a FACILITY m Begin3PTY invoke component the containing a facility IE with a Begin receive a NOTIFY message contain description of "Conference establist of the remote user, for which a private served user by the CRy relating to an End3PTY invoke component to On receiving such an invoke component i) remove the three-way bridge Held connection; ii) release the three-way bridge iii) return to the served user and message, using the CRy of the iv) send a NOTIFY message to information element with a notification, which is same NOTIFY message as Notification indicator information hold". If any intervening protocon network of the remote user does descriptions in the same message containing a single not and a subsequent message con within a FACILITY message, the use further action. As a result of the protocol the connection unchanged. The call clearing procedure is performation. The standard EN 300 64.	End3PTY return result component, within a FACILITY Active-Idle connection; both remote users containing a Notification indicator fication description of "Conference disconnected"; which private communication is not required, either in (iv), or in a subsequent NOTIFY message, a n element with a notification description of "Remote of between the network of the served user and the est not support transmission of two notification age, then this should be mapped at that point to a otification description of "Conference disconnected", intaining a notification description of "Remote hold". Sorrectly encoded End3PTY return result component, ser shall accept the provided information and take no occurred this item of this clause, the call state and ins, at both the network and the served user, are formed from user A with a DISCONNECT message 46-1, clause 6.1.1.15 is not in line with the .2. The PLMN does not support the sending of

IUG xxSN3PTY01	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary servi	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IUG xxSN3PTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_servi	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B). The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUGxxSN3PTY03	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and release of both remote users, a	user B is released first.
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:		

IUGxxSN3PTY04	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and release of both remote users, user C is released first.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	GSM-BC = G BC ID	
values:		
Comments:	NOTE: The standard EN 300 64	6-1, clause 6.1.1.15 is not in line with the
	recommendation Q.734.	2. The PLMN does not support the sending of
	notifications to the remot	e users.

IUG xxSN3PTY05	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and user B sends disconnect during the Three-Party communication.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter	$GSM-BC = G_BC_ID$	
values:		
Comments:	NOTE: The standard EN 300 64	6-1 V4.2.2 (1999-05), clause 6.1.1.15 is not in line
	with the recommendation	n Q.734.2. The PLMN does not support the sending
	of notifications to the ren	note users.

IUG xxSN3PTY06	ISDN ref. t	0:	PLMN ref. to:
	EN 300 188	8-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMT	S/Supplementary_service	ces/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C		
	and user C sends disconnect during the Three-Party communication.		
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter	$GSM-BC = G_BC_ID$		
values:			
Comments:	NOTE:	The standard EN 300 64	6-1, clause 6.1.1.15 is not in line with the
	ı	recommendation Q.734.	2. The PLMN does not support the sending of
	ı	notifications to the remo	e users.

IUG xxSN3PTY07	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		16-1, clause 6.1.1.15 is not in line with the 2. The PLMN does not support the sending of te users.

IUG xxSN3PTY08	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUG xxSN3PTY09	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_ser	vices/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:		a three-way conversation call with user B and user C ion with user C. The call clearing procedure is
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSNCBS01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 100 548
TSSreference:	ISDN-UMTS/Supplementary_service	es/Call barring service
ISDN selection		
criteria:		
PLMN selection	The Network B supports barring of	all incoming calls (BAIC).
criteria:		
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call	
	establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter	$BC = I_BC_ID$	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause value with wit	ch the call shall be rejected is not defined.

IU xxSNCBS02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 100 548
TSSreference:	ISDN-UMTS/Supplementary_service	ces/Call barring service
ISDN selection		
criteria:		
PLMN selection	The Network B supports barring of	all incoming calls (BAIC) and barring of incoming
criteria:		ne PLMN country (BIC-Roam). The MS is roaming
	outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter	BC = I BC ID	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause value with with	tch the call shall be rejected is not defined.

IU_xxSNCCNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 065-1	EN 300 065
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCNR
ISDN selection	The user A is in network N1 and ha	as subscribed to the CCNR supplementary service
criteria:		
PLMN selection	The user B is in the network N2 and	d does not support CCNR.
criteria:		
Test purpose:	User A calls user B which does not answer the call. User A's CCNR request is identified by the callLinkageID parameter. The network cannot accept user A's request identified by the callLinkageID parameter because CCNR is not available to the destination. The network A shall send a CCNR Request return error component indicating "longTermDenial" to user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter		
values:		
Comments:		

IU xxSNAoC-01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 086
TSSreference:	ISDN-UMTS/Supplementary_service	ces/AoC
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which supports phase 2 supplementary services. ISDN user A calls user B. Ensure that the call establishment will be successful.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IU xxSNAoC-02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 086
TSSreference:	ISDN-UMTS/Supplementary_service	ces/AoC
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which does not support phase 2 supplementary services. ISDN user A calls user B. Ensure that the network will initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified"	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IU xxSNMPTY01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1	TS 122 084	
		TS 123 084	
TSSreference:	ISDN-UMTS/Supplementar	ry_services/MPTY	
ISDN selection	User A is in network N1		
criteria:			
PLMN selection	User B and user C are in n	User B and user C are in network N2.	
criteria:			
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and		
	user C. User B is terminatir	ng the entire multi party call.	
ISDN parameter	BC = I_BC_ID		
values:			
PLMN parameter	GSM-BC = G_BC_ID		
values:			
Comments:			

IU xxSNMPTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 084
		TS 123 084
TSSreference:	ISDN-UMTS/Supplementary services/MPTY	
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network N	N2.
criteria:		
Test purpose:		at the user B can establish a MPTY call to user B and e party C. The call clearing procedure to user A is
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU xxSNMPTY03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 122 084
		TS 123 084
TSSreference:	ISDN-UMTS/Supplementary services/MPTY	
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network N	N2.
criteria:		
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN parameter	BC = I_BC_ID	
values:		
PLMN parameter	GSM-BC = G_BC_ID	
values:		
Comments:		

IUxxSNMPTY04	ISDN ref. to: EN 300 403-1	PLMN ref. to: TS 122 084 TS 123 084
TSSreference:	ISDN-UMTS/Supplementary_servi	1 - 1 - 1 - 1
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

7.2 Test purposes for UMTS-ISDN

7.2.1 Test purposes for UMTS-ISDN, Basic call

7.2.1.1 Successful

Successful	
Speech	

	lional C.	
UISP01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successfu	I/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
ISDN parameter	performed correctly. BC = speech, no HLC	
values:	Bo - specen, no rico	
	CCM DC Creech re III C	
PLMN parameter values:	GSM-BC=Speech, no HLC	
Comments:		

UI SP 02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic call/Successfu	l/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = speech, no HLC	
values:		
PLMN parameter	GSM-BC=Speech, no HLC	
values:		
Comments:		

UI SP 03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2
	EG 210 018, clause 6.3.1	TS 129 007, clause 10.2
		TS 122 003, clause 6
		TS 127 001, annex B.2.8
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = speech, HLC = telephony	
values:		
PLMN parameter	GSM-BC=Speech, HLC = telephony	
values:		
Comments:		

UISP04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2
	EG 210 018, clause 6.3.1	TS 129 007, clause 10.2
		TS 122 003, clause 6
		TS 127 001, annex B.2.8
TSSreference:	PLMN- ISDN/Basic_call/Successfu	I/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = speech, HLC = telephony	
values:		
PLMN parameter	GSM-BC=Speech, HLC = telephony	
values:		
Comments:		-

UISP05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 3.1.10,	TS 124 008, clause 7.3.2	
	clause 5.2		
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message		
	can be transported correctly to the calling MS.		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the		
	traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	B:? SETUP: BC = speech, HLC = telephony,		
values:	B:! CONNECT: progress indicator #2 "destination address is non-ISDN".		
PLMN parameter	A:! SETUP: GSM-BC=Speech, HLC = telephony		
values:	A:? CONNECT: progress indicator #2 "destination address is non-ISDN".		
Comments:	The progress indicator information element is transported in the Access Transport		
		(ANM). The access transport parameter will be	
	transported transparently. It is the	responsibility of the end points to ensure compatibility.	

UISP06	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1, clause 3.1,	TS 124 008, clause 7.3.2, clause 5.2		
	clause 5.2			
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Speech		
ISDN selection	Speech			
criteria:				
PLMN selection	TS 11			
criteria:				
Test purpose:	To verify that progress indicator information included in the ISDN-ALERT message can			
	be transported correctly to the calli	be transported correctly to the calling MS.		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the			
	traffic-channel is performed correctly.			
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is			
	performed correctly.			
ISDN parameter	B:? SETUP: BC = speech, HLC = telephony,			
values:	B:! ALERT: progress indicator #2 "destination address is non-ISDN".			
PLMN parameter	A:! SETUP: GSM-BC=Speech HLC = telephony			
values:	A:? ALERT: progress indicator #2 "destination address is non-ISDN".			
Comments:	The progress indicator information element is transported in the Access Transport			
		e message (ACM). The access transport parameter		
	will be transported transparently. It is the responsibility of the end points to ensure compatibility.			

Successful

3,1 kHz audio, ex PLMN

UIAU01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2,	TS 124 008, clause 5.2.1
	clause 4.5.5	TS 129 007, clause 10.2
		TS 127 001, annex B.1.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/3,1 kHz audio, ex PLMN
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	a) BC = 3,1 kHz audio, voice band	data via modem (EN 300 403-1)
values:	b) BC = 3,1 kHz audio (ETS 300 10	02-1)
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN,	voice band data via modem
values:		
Comments:	According ETS 300 102-1 clause 4 shall not be mapped to the octets 5	.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC ia, 5b, 5c and 5d in the ISDN-BC

UIAU_02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2,	TS 124 008, clause 5.2
	clause 4.5.5	TS 129 007, clause 10.2
		TS 127 001, annex B.1.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	a) BC = 3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC = 3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According ETS 300 102-1 clause 4	.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC
	shall not be mapped to the octets 5	5a, 5b, 5c and 5d in the ISDN-BC

UI AU 03	ISDN ref. to:	PLMN ref. to:	
0171000	EN 300 403-1, clause 5.2,	TS 124 008, clause 5.2.1	
	clause 4.5.5	TS 129 007, clause 10.2	
	1014436 4.3.3	TS 127 001, annex B.1.2	
TSSreference:	UMTS-ISDN/Basic call/Successful		
ISDN selection		75,1 KHZ audio, ex FLIVIIN	
criteria:	Bearer service 3,1 kHz audio		
PLMN selection	Audio		
criteria:	Addio		
Test purpose:	Ensure that the GSM-BC=3,1kHz a	audio ex PLMN, voice band data via modem,	
		s set to MODE, user rate set to G_USER_RATE, no	
	ISDN BC parameter value information transfer capability 3,1 kHz audio, voice band data		
	via modem, synchronous/asynchronous mode is set to MODE, user rate set to		
	USER RATE.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
	The call clearing procedure is performed from the calling user.		
ISDN parameter	a) BC = 3,1 kHz audio, voice band data via modem,		
values:	synchronous/asynchronous mode: MODE		
	user rate: USER RATE		
	no LLC		
	b) BC=3,1 kHz audio, no LLC (ETS	3 300 102-1)	
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem,		
values:	synchronous/asynchronous mode: MODE		
	user rate: G USER RATE		
	no LLC		
Comments:	According ETS 300 102-1 clause 4	.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
	shall not be mapped to the octets 5		

UI AU 04	ISDN ref. to: PLMN ref. to:	
017.004	EN 300 403-1, clause 5.2, TS 124 008, clause 5.2	
	clause 4.5.5 TS 129 007, clause 10.2	
	TS 127 001, annex B.1.2, B.2.2	
TSSreference:	UMTS-ISDN/Basic call/Successful/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:	Board of violo 5,1 Kinz dadio	
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the ISDN SETUP with the BC parameter value information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	The call clearing procedure is performed from the called user. a) BC = 3,1 kHz audio, voice band data via modem,	
PLMN parameter values:	synchronous/asynchronous mode: MODE user rate: USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE BC = 3,1 kHz audio, no LLC (ETS 300 102-1) LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem,	
	synchronous/asynchronous mode: MODE user rate: USER RATE	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
Jonnine III.	shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	
	Terrain net be mapped to the detect ou, ob, de und ou in the lebit be.	

Values for test purposes UIAU	_03; UIAU04;
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
WA 0=	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
VA 00	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
VA 00	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

UIAU05	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1, clause 3.1.10,	TS 124 008, clause 7.3.2		
	clause 5.2			
TSSreference:	UMTS-ISDN/Basic call/Successful	/3,1 kHz audio ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio			
criteria:				
PLMN selection	Audio	Audio		
criteria:				
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message			
		can be transported correctly to the calling MS.		
		Ensure that in the call delivered state (N4) the transfer of tone or announcement on the		
	traffic-channel is performed correctly.			
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is			
	performed correctly.			
ISDN parameter	B:? SETUP: GSM-BC=3,1kHz audio, voice band data via modem			
values:	B:! CONNECT: progress indicator #2 "destination address is non-ISDN".			
PLMN parameter	A:! SETUP: GSM-BC=3,1kHz audio ex PLMN, voice band data via modem			
values:	A:? CONNECT: progress indicator #2 "destination address is non-ISDN".			
Comments:	The progress indicator information element is transported in the Access Transport			
	parameter of the Answer message	parameter of the Answer message (ANM). The access transport parameter will be		
	transported transparently. It is the responsibility of the end points to ensure compatibility.			

UIAU06	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 3.1,	TS 124 008, clause 7.3.2, clause 5.2	
	clause 5.2		
TSSreference:	UMTS-ISDN/Basic_call/Successful	/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	To verify that progress indicator information included in the ISDN ñ ALERT message can		
	be transported correctly to the calling MS.		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the		
	traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	B:? SETUP: GSM-BC=3,1kHz audio, voice band data via modem		
values:	B:! ALERT: progress indicator #2 "destination address is non-ISDN" .		
PLMN parameter	A:! SETUP: GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
values:	A:? ALERT: progress indicator #2 "destination address is non-ISDN".		
Comments:	The progress indicator information element is transported in the Access Transport		
	parameter of the Address complete message (ACM). The access transport parameter		
	will be transported transparently. It	will be transported transparently. It is the responsibility of the end points to ensure	
	compatibility.		

UI AU 07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 124 008
		TS 129 007
		TS 123 034
TSSreference:	UMTS-ISDN/Basic_call/Successful	/HSCSD ñ 3,1 kHz
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AlU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the ISDN BC with the parameter values: information transfer capability 3,1 kHz audio voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = 3,1 kHz audio, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE	
	fix network user rate: FNU_RATE	
	maximum number of traffic channels: No_TCH,	
	air interface user rate: AIU_RATE	
	acceptable channel coding: TCH_FX_X	
Comments:		

UI AU 08	ISDN ref. to:	PLMN ref. to:	
0100	EN 300 403-1	TS 124 008	
	LIV 300 403-1	TS 129 007	
		TS 123 007	
TSSreference:	UMTS-ISDN/Basic call/Successful/HSCSD ñ 3,1 kHz		
ISDN selection	Bearer service 3.1 kHz audio	1303D 113,1 KHZ	
criteria:	,		
PLMN selection	HSCSD, 3,1 kHz		
criteria:			
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the LLC parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the ISDN BC with the parameter values: information transfer capability 3,1 kHz audio voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the and the LLC with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels is		
ISDN parameter	performed correctly. BC = 3,1 kHz audio, voice band data via modem,		
values:	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: USER RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU RATE		
	maximum number of traffic channels: No TCH,		
	air interface user rate: AIU I		
	acceptable channel codi	acceptable channel coding: TCH FX X	
	LLC = 3,1 kHz audio, voice band da		
	synchronous/asynchrono		
	user rate: USER RATE		
Comments:			
	_		

Values for test purpose UI AU 07 and UI AU 0	08
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s
VA 02	TCH FX X: 4.8
VA_02	MODE: synchronous USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 3
	AIU RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2
	AIU_RATE: 19.2
VA 04	TCH_FX_X: 9.6
VA_04	MODE: synchronous USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
VA_06	TCH_FX_X: 9.6
VA_00	MODE: synchronous USER RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH_FX_X: 9.6
VA_07	MODE: synchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4 AIU_RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_08	MODE: synchronous
	USER RATE: 56.0 kbit/s
	FNU RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
V4 00	TCH_FX_X: 14.4
VA_09	MODE: synchronous
	USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent
	No TCH: 4
	AIU RATE: 57.6
	TCH FX X: 14.4
VA_10	MODE: asynchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
VA 44	TCH FX X:14.4
VA_11	MODE: asynchronous USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 1
	AIU RATE: 14.4
	TCH FX X:14.4
<u> </u>	

Values for test purpose UIAU_07 and UI_A	.U08
VA_12	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
	TCH FX X: 4.8
VA_13	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH_FX_X:14.4
VA_14	MODE: asynchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6
VA_15	MODE: asynchronous
	USER_RATE: 33.6 kbit/s
	FNU_RATE: 33.6 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH FX X:9.6
VA_16	MODE: asynchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6

Successful	
UDI	

UIUD01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2,	TS 124 008, clause 5.2
	clause 4.5.5	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
values:	•	
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
values:		
Comments:	The user bit rate is out of scope of	this test case

UIUD02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2,	TS 124 008, clause 5.2
	clause 4.5.5	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic call/Successful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
values:		
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
values:		
Comments:	The user bit rate is out of scope of	this test case

UI UD 03	ISDN ref. to: PLMN ref. to:		
	EN 300 403-1, clause 5.2, TS 124 008, clause 5.2		
	clause 4.5.5 TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2; B 2.2		
TSSreference:	UMTS-ISDN/Basic call/Successful/UDI		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode is set to		
	MODE, user rate set to USER_RATE is correctly mapped and the LLC = UDI,		
	V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to		
	USER_RATE is correctly delivered to the		
	ISDN SETUP with the BC parameter value information transfer capability UDI,		
	V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to		
	USER_RATE		
	LLC = UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set		
	to USER_RATE.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	The call clearing procedure is performed from the called user.		
values:	a) BC = UDI, V.110/X.30		
values.	synchronous/asynchronous mode: MODE user rate: USER RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC = UDI, V.110/X.30,		
values:	synchronous/asynchronous mode: MODE		
	user rate: G USER RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER RATE		
Comments:			

Values for test purpose UI DU 03	
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

UI DU 04	ISDN ref. to:	PLMN ref. to:
0104	EN 300 403-1	TS 124 008
	EN 300 403-1	TS 129 007
		1 - 1 - 1 - 1
T00 (111 TO 10 DATE : 110	TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successfu	
ISDN selection criteria:	UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the ISDN BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels are performed correctly.	
ISDN parameter	BC = UDI, V.110/X.30,	
values:	synchronous/asynchron user rate: USER_RATE	ous mode: MODE
PLMN parameter	$GSM-BC = UDI, V.110/\overline{X}.30$	
values:	Synchronous/asynchronous mode: MODE	
	Fix network user rate: FNU RATE	
	Maximum number of tra	ffic channels: No TCH,
	air interface user rate: AIU	
	acceptable channel cod	
Comments:	•	

UI UD 05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	TS 124 008
		TS 129 007
		TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AlU_RATE, acceptable channel coding set to TCH_FX_X and the LLC parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the ISDN BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the and the LLC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels are	
ICDM noromotor	performed correctly.	
ISDN parameter values:	BC= UDI, V.110/X.30,	
values.	synchronous/asynchronous mode: MODE user rate: USER_RATE	
	LLC= UDI, V.110/X.30,	
	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC = UDI, V.110/X.30,	
values:	synchronous/asynchronous mode: MODE	
	fix network user rate: FNU_RATE	
	maximum number of tra	
	air interface user rate: AIU_RATE	
	acceptable channel codi	ng: TCH_FX_X
	LLC= UDI, V.110/X.30,	I MODE
	synchronous/asynchronous mode: MODE	
0	user rate: USER_RATE	
Comments:	1	

Values for test purpose UI HU 04 and UI HU	05
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous
VA_02	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 3
	AIU_RATE: 14.4 kbit/s
	TCH_FX_X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s No_TCH: 2
	AIU RATE: 19.2
	TCH FX X: 9.6
VA_04	MODE: synchronous
_	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
VA_05	TCH FX X: 9.6 MODE: synchronous
VA_03	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH_FX_X: 9.6
VA_06	MODE: synchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s No_TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_07	MODE: synchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous
** <u>_</u> \$\$	USER RATE: 56.0 kbit/s
	FNU RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
NA 00	TCH FX X: 14.4
VA_09	MODE: synchronous USER RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No TCH: 4
	AIU RATE: 57.6
	TCH_FX_X: 14.4
VA_10	MODE: asynchronous
	USER_RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
	No_TCH: 1 AIU_RATE: 14.4
	TCH FX X:14.4
VA_11	MODE: asynchronous
=	USER RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
	TCH_FX_X:14.4

VA_12	MODE: asynchronous
VA_12	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
	No TCH: 4
	AIU RATE: 19,2
VA 40	TCH_FX_X: 4.8
VA_13	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH_FX_X:14.4
VA_14	MODE: asynchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6
VA_15	MODE: asynchronous
	USER RATE: 33.6 kbit/s
	FNU RATE: 33.6 kbit/s
	No TCH: 4
	AIŪ RATE: 38.8
	TCH FX X:9.6
VA_16	MODE: asynchronous
	USER RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
	No TCH: 4
	AIU RATE: 38.8
	TCH FX X:9.6

Successful Facsimile group 3

UI FX 01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2
	EG 210 018	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.1.1
TSSreference:	UMTS-ISDN/Basic call/Successful	/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is	
	performed correctly when the calling user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3, no HLC	
values:		
Comments:		·

UI FX 02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2
		TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.1.1; B 2.11
TSSreference:	UMTS-ISDN/Basic call/Successful	/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is	
	performed correctly when the called user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
values:		
Comments:		

UI FX 03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.17	TS 124 008, clause 5.2.1
		TS 129 007, clause 10.2
		TS 127 001, annex B.1.11
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" inserted by the network are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3, no HLC	
values:		
Comments:		

UIFX04	ISDN ref. to: EN 300 403-1, clause 4.5.17	PLMN ref. to: TS 124 008, clause 5.2.1
	EN 300 403-1, clause 4.5.17	TS 129 007, clause 5.2.1
		TS 127 001, annex B.1.11, B.2.11
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" received from the MS are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
values:		
Comments:		

Successful

Alternate speech and facsimile group 3

UIAF01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
	Ensure that in the active call state	(N10) the data transfer on the traffic and B-channels is
	performed correctly.	· ·
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, no	HLC
Comments:		

UIAF02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the called user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, no HLC	
Comments:		

UI AF 03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.1	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, no	HLC
Comments:		

UI AF 04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	•
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio" without HLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:		

UI AF 06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC = Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	first GSM-BC = Facsimile G3, no HLC	
values:	second GSM-BC=speech	
Comments:		

UIAF07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC = Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, HLC = Facsimi	le G2/G3
values:		
PLMN parameter	first GSM-BC = Facsimile G3, HLC	= Facsimile G2/G3
values:	second GSM-BC=speech	
Comments:		

Successful Alternate Speech/Data

UIAD01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2	
	clause 5.2	TS 129 007, clause 10.3.1.2	
		TS 127 001, annex B.1.6	
TSSreference:	UMTS-ISDN/Basic_call/Successfu	l/Alternate speech and data	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	BS 61		
criteria:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	BC= 3,1 kHz audio, no HLC		
values:	first CCM DC speech		
PLMN parameter	· •	first GSM-BC=speech	
values:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
	synchronous/asynchronous mode:	MODE	
	user rate: G_USER_RATE		
Comments:			

UIAD_02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.1	TS 129 007, clause 10.3.1.2
		TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and data
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = 3,1 kHz audio synchronous/asynchronous/ user rate: G_USER_RATE LLC = 3,1 kHz audio, voice ban synchronous/asynchronous/ user rate: USER_RATE	d data via modem,
Comments:		

UIAD03	ISDN ref. to: EN 300 403-1, clause 4.5.5, clause 5.1	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.3.1.2 TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and data
ISDN selection criteria:	Bearer service 3,1 kHz audio	·
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	First GSM-BC=speech	
values:	Second GSM-BC = 3,1 kHz audio synchronous/asynchronouser rate: G_USER_RATE	ex PLMN, voice band data via modem, ous mode: MODE
Comments:		

UIAD04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.3.1.2
		TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic call/Successful	/Alternate speech and data
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = 3,1 kHz audio synchronous/asynchronous/ user rate: G_USER_RATE LLC = 3,1 kHz audio, voice ban synchronous/asynchronous/ user rate: USER_RATE	d data via modem,
Comments:		

Values for test purpose UI AD 01 to UI AD 04	
VA_01	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G USER RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

Successful

Speech followed by data

UIFD_01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, B.1.7
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Speech followed by data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 81	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after answer.	
	Ensure that in the active call state (performed correctly.	(N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	First GSM-BC=speech	
values:	Second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/asynchronous mode: MODE	
	user rate: G_USER_	RATE
Comments:		

UIFD_02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.7, B.2.7.2
TSSreference:	UMTS-ISDN/Basic call/Successful	/Speech followed by data
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	when the called user clears after a	the call clearing procedure is performed correctly nswer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = 3,1 kHz audio e synchronous/asynchrono user rate: G_USER_RATE LLC = 3,1 kHz audio, voice ban synchronous/asynchrono user rate: USER_RATE	d data via modem,
Comments:		

UIFD03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.7, B.2.7.2
TSSreference:	UMTS-ISDN/Basic call/Successful	/Speech followed by data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 81	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN) are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC= 3,1 kHz audio, no HLC	
values:		
PLMN parameter	First GSM-BC=speech	
values:	Second GSM-BC=3,1kHz audio ex	PLMN, voice band data via modem,
	synchronous/asynchrone	ous mode: MODE
	user rate: G_USER_RATE	
Comments:		

UI FD 04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.7, B.2.7.1,
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Speech followed by data
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	first indicating "speech" and the se ITC "3,1 kHz audio ex PLMN) and audio" without LLC.	-IE (preceded by a repeat indicator "sequential"), the cond indicating the appropriate data service with the LLC are mapped to the ISDN BC value "3,1 kHz (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter	First GSM-BC=speech	
values:	Second GSM-BC =3,1 kHz audio e synchronous/asynchron- user rate: G_USER_RATE LLC =3,1 kHz audio, voice band synchronous/asynchron- user rate: USER_RATE	d data via modem,
Comments:		

Values for test purpose UIFD01 to UIFD_	_04
VA_01	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

Successful Emergency Calls

UI EC 01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		
Comments:		

UI EC 02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12;	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
Comments:		

UI EC 03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 5.2
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
Comments:		tor whether to accept emergency calls coming from
	MSs which do not transmit an IMSI	or a TMSI.

50 04	IODNI C. C.	DI MAL LOCAL
UIEC04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 4.5.1.5 clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successf	ul/Emergency Call
ISDN selection	Emergency service, bearer service	ce speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
Comments:		rator whether to accept emergency calls coming from
	MSs which do not transmit an IMS	SI or a TMSI.

UIEC05	ISDN ref. to:	PLMN ref. to:
<u> </u>	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 4.5.1.5, clause 5.2
	clause 5.2	TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		,
Comments:		tor whether to accept emergency calls coming from e SIM Card is not recognized by the VLR.

UIEC06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 4.5.5,	TS 124 008, clause 4.5.1.5, clause 5.2.1
	clause 5.2	TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful	/Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
Comments:		tor whether to accept emergency calls coming from e SIM Card is not recognized by the VLR.

7.2.1.2 Unsuccessful

Unsuccessful Speech

UI SP U01	ISDN ref. to:	PLMN ref. to:
0101_	EN 300 403-1, clause 5.2	TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic call/Unsucc	essful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		· · · · · · · · · · · · · · · · · · ·
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	NOTE: Some ISDNs provide	e announcements instead of sending cause value #1.

UISP_U02	ISDN ref. to: EN 300 403-1, clause 5.2	PLMN ref. to: TS 124 008, annex H.1.6
	,	,
TSSreference:	UMTS-ISDN/Basic_call/Unsuc	cessful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

UI SP U03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 124 008 H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	sful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter	BC=speech	
values:	·	
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

UI SP U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

UISP_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.2.1, annex H.1.9
	clause 5.3.2, annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	sful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

UI SP U06	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2,	TS 124 008, annex H.5.3	
	annex M;		
	TS 124 008 annex B.3.2		
TSSreference:	UMTS-ISDN/Basic_call/Unsucc	essful/Speech	
ISDN selection	Bearer service speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.		
ISDN parameter	BC=speech	i	
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:		<u> </u>	

UI SP U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	sful/Speech
ISDN selection	Bearer service speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

Unsuccessful 3,1 kHz audio ex PLMN

UI AU U01	ISDN ref. to:	PLMN ref. to:
	300 403-1, clause 5.2.1	TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	NOTE: Some ISDNs provide an	nouncements instead of sending cause value #1.

UIAU_U02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, 5.2.5.3	TS 124 008, annex H.1.6	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that, when the called user is	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
	COMPLETE indicating cause value #17 "user busy" the network transports the cause		
	value to the calling user.		
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)		
values:	b) BC=3,1 kHz audio (ETS 300 102-1)		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:			
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC		
	shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC		

UI AU U03	ISDN ref. to :	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4.	TS 124 008, annex H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to	
	the calling user with cause value #18 " no user responding".	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN	
values:		
Comments:	According ETS 300 102-1 clause 4	.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC
	shall not be mapped to the octets 5	ia, 5b, 5c and 5d in the ISDN-BC

UI AU U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4.	S 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessfu	ıl/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN	
values:		
Comments:	According ETS 300 102-1 clause 4.5	5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC
	shall not be mapped to the octets 5a	, 5b, 5c and 5d in the ISDN-BC

UIAU_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.3.2,	TS 124 008, clause 5.2.2.3.1, annex H.1.9
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
	shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI AU U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.2,	TS 124 008, annex B.3.2, H 5.3
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "incompatible destination", the	
	network transport the cause value to the calling user.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
	shall not be mapped to the octets 5	a, 5b, 5c and 5d in the ISDN-BC

UI AU U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1)	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

l	Jnsuccessful
	UDI

UI UD U01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.1.4	TS 124 008, annex H.1.1	
TSSreference:	UMTS-ISDN/Basic_call/Unsucc	essful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the		
	calling user with cause value #1 "unassigned (unallocated) number".		
ISDN parameter			
values:			
PLMN parameter	GSM-BC=UDI with V.110/X.30	rate adaption	
values:			
Comments:			

UI UD U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4.	TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transport the cause value to the calling user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

UI UD U03	ISDN ref. to :	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsucce	essful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the called use the calling user with cause value	r is nor responding, the network initiate call clearing to #18 "no user responding".
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 ra	ate adaption
values:		
Comments:		

UIUD_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adap	tion
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI UD U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.3,	TS 124 008, clause 5.2.2.3.1, annex H.1.9
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

UIUD_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.3,	TS 124 008, annex H.5.3
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "incompatible destination ", the	
	network transport the cause value to the calling user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

UIUD_U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.3,	TS 124 008, annex H.1.5
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

Unsuccessful

Facsimile group 3

UIFX_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic call/Unsuc	cessful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		<u>-</u>
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:	NOTE: Some ISDNs provid	e announcements instead of sending cause value #1.

UI FX U02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2.5.1	TS 124 008, annex H.1.6	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3	
ISDN selection	Telefax G3 terminals		
criteria:			
PLMN selection	TS 62	TS 62	
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.		
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3		
values:			
PLMN parameter	GSM-BC= facsimile G3		
values:			
Comments:			

UI FX U03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to	
	the calling user with cause value #	18 "no user responding".
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimil	e G2/G3
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

UI FX U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

UI FX U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.2.1, annex H.1.9
	clause 5.3.2, annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

UI FX U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.2,	TS 124 008, annex H. 5.3
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "incompatible destination", the	
	network transport the cause value t	to the calling user.
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

UI FX U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

UI AF U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
ISDN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:	NOTE: Some ISDNs provide an	nouncements instead of sending cause value #1.

UIAF_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.1	TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
	COMPLETE indicating cause value #17 "user busy", the network transports the cause	
	value to the calling user.	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

UI AF U03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

UIAF_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile group 3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

UIAF_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.1.9,	TS 124 008, clause 5.1, annex H.1.9
	clause 5.3.2, annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	sful/Alternate speech and facsimile group 3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

UIAF_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.2,	TS 124 008, annex H.5.3
	annex M	
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
	·	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

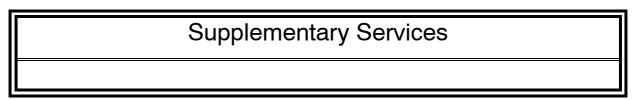
UI AF U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, annex M	TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile group 3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter	BC = 3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC = Facsimile G3	
Comments:		

Unsuccessful Emergency Calls

UI EC U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Emergency Calls
ISDN selection	Emergency service; bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		

UI EC U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2.5.4	TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccess	ful/Emergency Calls
ISDN selection	Emergency service; bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no answer from user (user alerted)".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		

7.2.2 Test purposes for UMTS-ISDN Supplementary services



UIxxSSCLIP01	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1	TS 124 008, clause 9.3.23.2,
	EN 300 403-1, clause 4.5.10,	TS 123 081, clause 1
	clause 4.5.11	TS 124 081, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces/Speech/CLIP
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIP	
criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly	
	delivered to the called (served) user.	
ISDN parameter	BC=I_BC_ID,	
values:	Calling party number: PI=PA TON= national/international number SI=NP	
	NPI=ISDN/Telephony numbering plan	
PLMN parameter	GSM-BC=G_BC_ID Calling party subaddress	
values:		
Comments:		

UI xxSSCLIP02	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1, clause 9.3	TS 124 008, clause 9.3.23.2
	EN 300 403-1, clause 4.5.10	TS 123 081, clause 1,
		TS 124 081, clause 1
TSSreference:	UMTS-ISDN/Supplementary service	ces/Speech/CLIP
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIP	
criteria:		
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling	
	party number information element is network provided and correctly delivered to the	
	called (served) user.	
ISDN parameter	BC=I_BC_ID,	
values:	, ,	N= national/international number SI=NP
	NPI=ISDN/Telephony numberir	ng plan
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSCLIR01	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1	TS 124 008 clause 9.3.23.2
	ETS 300 092-1/A2 figure 2	TS 123 081, clause 2,
		TS 124 081, clause 2
TSSreference:	UMTS-ISDN/Supplementary service	ces/Speech/CLIR/TC810201
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
		subaddress is provided by the calling user the Calling
	party number information element is delivered to the called user without any digit	
	information. The Calling party subaddress shall not be present.	
ISDN parameter	BC=I_BC_ID,	
values:	Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter	GSM-BC=G_BC_ID Calling party subaddress	
values:		
Comments:		

UI xxSSCLIR02	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1 clause 9.4.1	TS 124 008 9.3.23.2
	ETS 300 092-1/A2 figure 2	TS 123 081, clause 2
	-	TS 124 081, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/Speech/CLIR
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
		subaddress is provided by the calling user the Calling
	party number information element is delivered to the called user without any digit	
	information. The Calling party subaddress shall not be present.	
ISDN parameter	BC=I_BC_ID,	
values:	Calling party number: PI=PR TON	= NP I= unknown SI=NP
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSSCOLP01	ISDN ref. to:	PLMN ref. to:
	EN 300 097-1 clause 9.5.1	TS 124 008 9.3.5.2
		TS 123 081, clause 3
		TS 124 081, clause 3
TSSreference:	UMTS-ISDN/Supplementary serv	ices/Speech/COLP
ISDN selection	COLP	
criteria:		
PLMN selection	The calling user is provided with C	OLP
criteria:		
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the	
	Connected number and Connecte	d subaddress information elements are correctly
	delivered to the calling (served) us	er.
ISDN parameter	Connected subaddress number	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:	Connected number PI=PA, SI=UPVP, TON= national/international number,	
	NPI=ISDN/Telephony numbering	plan (ITU- T Recommendation E.164/E.163)
	Connected subaddress number	
Comments:		

UI xxSSCOLP01	ISDN ref. to:	PLMN ref. to:
	EN 300 097-1 clause 9.5.1	TS 124 008 9.3.5.2
		TS 123 081, clause 3
		TS 124 081, clause 3
TSSreference:	UMTS-ISDN/Supplementary service	ces/Speech/COLP
ISDN selection	COLP	
criteria:		
PLMN selection	The calling user is provided with C	OLP
criteria:		
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter	-	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	Connected number: SI=NP PI=PA TON= national/international number, NPI=	
	ISDN/Telephony numbering plan (I	TU-T Recommendation E.164/E.163)
Comments:		

UIxxSSCOLR01	ISDN ref. to:	PLMN ref. to:	
	EN 300 098-1	TS 124 008 9.3.5.2	
	clause 9.3.1, clause 9.4.1	TS 123 081, clause 3	
	ETS 300 097-1/A2 figure 4	TS 124 081, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_se	ervices/COLR	
ISDN selection	COLR		
criteria:			
PLMN selection	The calling user is provided with	1 COLP	
criteria:			
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.		
		Ensure that when no Connected number is provided by the called user (and no	
		onnected number information element is network provided	
	and delivered to the calling user without any digit information.		
ISDN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	Connected number: PI=PR, SI=	-NP, TON=unknown, NPI=unknown	
Comments:			

UI xxSSCUG01	ISDN ref. to:	PLMN ref. to:		
	EN 300 138-1, clause 9.2.2,	TS 123 085		
	clause 9.2.4	TS 124 085		
TSSreference:	UMTS-ISDN/Supplementary service			
ISDN selection	Calling user and called user belong			
criteria:	CUG supplementary options: IA; n	,		
PLMN selection	CUG supplementary options: not C			
criteria:				
Test purpose:	Ensure that when the calling user	Ensure that when the calling user belongs to a CUG with outgoing access is not		
	allowed, not outgoing calls barred v	within the CUG and not preferential CUG and the		
		called user belongs to the same CUG with incoming access allowed and not incoming		
	calls barred within the CUG, after the receipt of a SETUP message with the Facility IE			
	which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG			
	(SPC), Suppress OA (SOA)			
	The called user receives a SETUP message with a Facility IE which contains a cUGCall			
	invoke component encoded as "Outgoing access with default value, CUG index" and			
	sends an ALERTING or CONNECT	r message.		
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default			
values:	value, CUG index"			
PLMN parameter	GSM-BC=G BC ID; ForwardCUG-Info: CUG Index (CI)			
values:	Suppress Pref. CUG (SPC);			
	Suppress OA (SOA)			
Comments:				

UI xxSSCUG02	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_service	es/CUG
ISDN selection	The called user belongs to the sam	e CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	outgoing calls barred within the CUG belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CUOA (SOA) The called user receives a SETUP invoke component encoded as "Outsends an ALERTING or CONNECT	
ISDN parameter	BC=speech; Facility IE with cUGCa	Il invoke component: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
Comments:		

UI xxSSCUG03	ISDN ref. to:	PLMN ref. to:
01XX00000000		
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CUG
ISDN selection	The called user belongs to the sam	ne CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G BC ID; ForwardCUG-Info: CUG Index (CI);	
values:	Suppress Pref. CUG (SPC);	
Comments:		

UI xxSSCUG04	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
	ITU-T Recommendation Q.735	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CUG
ISDN selection	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
criteria:		
PLMN selection	The calling user belongs to the san	ne CUG with the following CUG supplementary
criteria:	options: OA; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
ISDN parameter	BC=I_BC_ID,	
values:		
PLMN parameter	GSM-BC=G_BC_ID ForwardCUG-	Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

UIxxSSCUG05	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CUG
ISDN selection	The called user belongs to the sam	e CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE.	
ISDN parameter	BC=speech; Facility IE with cUGCa	all invoke component: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: Suppress Pref. CUG (SPC);
values:	_	
Comments:		

UIxxSSCUG06	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2	TS 123 085
		TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CUG
ISDN selection	The called user is not a CUG subs	scriber
criteria:		
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
ISDN parameter values:		
PLMN parameter	GSM-BC=G BC ID; ForwardCUG	-Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	ino. God mack (Gi),
Comments:		

UI xxSSCUG07	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.3	TS 123 085
		TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_ser	vices/CUG
ISDN selection	The called user belongs to CUG	with the following CUG supplementary options: not IA;
criteria:	not ICB	
PLMN selection	The calling user is not member o	f CUG
criteria:		
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #"87 user not a member of CUG".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSSCUG08	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2	TS 123 085
		TS 124 085
TSSreference:	UMTS-ISDN/Supplementary service	ces/CUG
ISDN selection	The called user is not member of C	UG
criteria:		
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: not
criteria:	OA; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID ForwardCUG-	Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
Comments:		

UIxxSSCUG09	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CUG
ISDN selection	The called user belongs to the sam	ne CUG with the following CUG supplementary
criteria:	options: not IA; ICB	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; not ocb; not Pref. CUG	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with C	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user oming access is not allowed and incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC), call he network initiate call clearing to the calling user with urred within CUG".
ISDN parameter values:		
PLMN parameter	GSM-BC=G_BC_ID ForwardCUG-	Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

UIxxSSCUG10	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1, clause 9.2.2,	TS 123 085
	clause 9.2.4	TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection	Calling user and called user belong	
criteria:	CUG supplementary options: not I.	A; not ICB
PLMN selection	CUG supplementary options: not 0	DA; not OCB; not Pref. CUG
criteria:		
Test purpose:	not outgoing calls barred within the the called user belongs to the sam incoming calls barred within the CL Facility IE which shall contain a Foreceives a SETUP message with a component encoded as "Outgoing ALERTING or CONNECT message"	
ISDN parameter	BC=speech; Facility IE with cUGCa	all invoke component: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG	-Info: CUG Index (CI).
values:	_	
Comments:		

UIxxSSSUB01	ISDN ref. to:	PLMN ref. to:
	EN 300 061-1, clause 9.2	TS 124 008, clause 9.3.23.1.5
	EN 300 403-1, clause 4.5.9	
TSSreference:	UMTS-ISDN/Supplementary_se	ervices/SUB
ISDN selection	SUB	
criteria:		
PLMN selection	SUB	
criteria:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
ISDN parameter	BC=speech, Called party subaddress	
values:		
PLMN parameter	GSM-BC=G BC ID Called party subaddress	
values:		
Comments:		

UIxxSSSUB02	ISDN ref. to:	PLMN ref. to:
	EN 300 061-1, clause 9.2	TS 124 008, clause 9.3.23.1.5
	EN 300 403-1, clause 4.5.9	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/SUB
ISDN selection	SUB	
criteria:		
PLMN selection	SUB	
criteria:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter values:	BC=I_BC_ID, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID Called party subaddress	
Comments:		

UIU_xxSSCFU01	ISDN ref. to:	PLMN ref. to:	
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		umber, "diverting number is released to the diverted-	
	to user "= Yes, "served user receive = Yes).	es notification that the call has been forwarded"	
PLMN selection	Call to a forwarding subscriber (CF	U)	
criteria:			
Test purpose:	Ensure that when user A calls user	,	
		(Invoke =NotifySS[CFU, SS-Notification]) message,	
	user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call		
	diversion.		
	User B is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIU_xxSSCFU02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_servi		
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		umber, "diverting number is released to the diverted-to	
PLMN selection criteria:	user" = No , "served user receives notification that the call has been forwarded" = No). Call to a forwarding subscriber (CFU)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS[CFU,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

UIU_xxSSCFU03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU
ISDN selection	The user B is in network N2 and is	provided with CFU("calling user is notified of call
criteria:		umber, "diverting number is released to the diverted-
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"
	=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	U)
criteria:		
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user C is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) included in the incoming SETUP message from the network. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFU04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_ser	
ISDN selection	The user B is in network N2. Par	tial rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion"	= Yes)
PLMN selection	Call to a forwarding subscriber (CFU)
criteria:	,	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñpartial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFU05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" = 1	No)
PLMN selection	Call to a forwarding subscriber (CF	U)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UII xxSSCFU01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary service		
ISDN selection		provided with CFU("calling user is notified of call	
criteria:	diversion" = Yes , with diverted-to number, "diverting number is released to the diverted-		
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"	
	=Yes).		
PLMN selection	Call to a forwarding subscriber (CF	U)	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is notified of call diversion.		
	User B is notified of call diversion.		
	User C receives the reason for call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII_xxSSCFU02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		diversion" = No , with diverted-to number, "diverting number is released to the diverted-to user" = No , "served user receives notification that the call has been forwarded" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion. User B is not notified of call diversion. User C should not be informed of the forwarding number. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFUactive		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UII xxSSCFU03	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_se	ervices/CFU
ISDN selection criteria:	diversion" = Yes, with diverted-	d is provided with CFU("calling user is notified of call to number, "diverting number is released to the divertedceives notification that the call has been forwarded"
PLMN selection criteria:	Call to a forwarding subscriber	(CFU)
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls termination B, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFÚactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII_xxSSCFU04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary ser	vices/CFU
ISDN selection	The user B is in network N2. Par	tial rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion":	= Yes)
PLMN selection	Call to a forwarding subscriber (C	FU)
criteria:		,
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII xxSSCFU05	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 10.5	TS 124 082, clause 1
	·	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" =	No)
PLMN selection	Call to a forwarding subscriber (CF	:U)
criteria:		
Test purpose:	the private network (NT2) and perf C). User A is not notified of call diversi Ensure that in the call delivered staperformed correctly if tones/announced.	ate (N4) the transfer of tone on the B-channel is
ISDN parameter	CFUñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	_	

UIP xxSSCFU01	ISDN ref. to:	PLMN ref. to:	
011X3301 001	100111111111111111111111111111111111111		
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_se	ervices/CFU	
ISDN selection	The user B is in network N2 and	I is provided with CFU("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-t	o number, "diverting number is released to the diverted-	
	to user "= Yes, "served user red =Yes).	to user "= Yes, "served user receives notification that the call has been forwarded"	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User C receives the reason for call diversion Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFUactive		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIP xxSSCFU02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary servi	ces/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:	diversion" = No , with diverted-to number, "diverting number is released to the diverted-to user" = No , "served user receives notification that the call has been forwarded" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	(U)
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP xxSSCFU03	ISDN ref. to:	PLMN ref. to:	
OIFX33CF003			
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_se	ervices/CFU	
ISDN selection	The user B is in network N2 and	d is provided with CFU("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-	to number, "diverting number is released to the diverted-	
		ceives notification that the call has been forwarded"	
	=Yes).		
PLMN selection	Call to a forwarding subscriber (CFU)		
criteria:			
Test purpose:	To verify that a call is released	To verify that a call is released correctly if CFU was not successful.	
	User A calls user B, the call is forwarded to user C who is busy.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIP_xxSSCFU04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary servi	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" =	Yes)
PLMN selection	Call to a forwarding subscriber (CF	FU)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIP xxSSCFU05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" =	No)
PLMN selection	Call to a forwarding subscriber (CF	(U)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIU xxSSCFU01	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFU
ISDN selection	The user B is in network N2 and is	provided with CFU("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-
	to user "= Yes, "served user receiv = Yes).	res notification that the call has been forwarded"
PLMN selection criteria:	Call to a forwarding subscriber (CF	TU)
Test purpose:	user C is notified with a FACILITY diversion. User B is notified of call diversion value telecommunications service inform subaddress and the calling party A Ensure that in the call delivered state performed correctly if tones/announced.	(Invoke =NotifySS[CFU, SS-Notification]) message, IE (Invoke =NotifySS[CFU,SS-Notification]) of call with a FACILITY message (DCR) about the ation, user-to-user information, served user B's 's address. ate (N4) the transfer of tone on the B-channel is
ISDN parameter	CFUactive	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFU02	ISDN ref. to: EN 300 207-1, clause 9.2.2,	PLMN ref. to: TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFU
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = No , with diverted-to number, "diverting number is released to the diverted-to user" = No , "served user receives notification that the call has been forwarded" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	- U)
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS[CFU,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFU03	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:		umber, "diverting number is released to the diverted-
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"
	=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	U)
criteria:		
Test purpose:	To verify that a call is released corr	
		arded to user C who is user determined user busy.
		(Invoke =NotifySS[CFU, SS-Notification]) message,
		rith a FACILITY IE (Invoke =NotifySS[CFU,SS-
		ng SETUP message from the network.
	User B is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
		te (N4) the transfer of tone on the B-channel is
		N10) the voice/data transfer on the B-channels is
	performed correctly.	(NTO) the voice/data transfer on the D-channels is
ISDN parameter	CFUactive	
values:	Of Gactive	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIU_xxSSCFU04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_serv	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion" =	Yes)
PLMN selection	Call to a forwarding subscriber (CI	=U)
criteria:		
Test purpose:	the private network (NT2) and per C). User A is notified with a FACILITY call diversion. Ensure that in the call delivered st performed correctly if tones/announced.	twork acts on the call rerouting invocation request from forms rerouting towards the indicated address (user (Invoke =NotifySS[CFU, SS-Notification]) message of ate (N4) the transfer of tone on the B-channel is incement are applied. (N10) the voice/data transfer on the B-channels is
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFU05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_se	
ISDN selection	The user B is in network N2. Par	rtial rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion"	= No)
PLMN selection	Call to a forwarding subscriber (CFU)
criteria:		
Test purpose:	User A calls user B. The public r	network acts on the call rerouting invocation request from
	the private network (NT2) and po	erforms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FAC	CILITY (Invoke =NotifySS[CFU, SS-Notification])
	message of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/anno	
		te (N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFUñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFB01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB
ISDN selection		provided with CFB- UDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us forwarded" = Yes).	ser receives notification that the call has been
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	, and the second
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
	User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
		(N10) the voice/data transfer on the B-channels is
ISDN parameter values:	CFB-UDUB active	
PLMN parameter	A: ! GSM-BC=G_BC_ID;	
values:	C: ? GSM-BC=G_BC_ID;	
Comments:		

UIU xxSSCFB02	ISDN ref. to:	PLMN ref. to:
010	1	
		TS 124 082, clause 2
	,	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB- UDUB ("calling user is notified of
criteria:	call diversion" = No, with diverted-t	o number, "diverting number is released to the
		er receives notification that the call has been
	forwarded" = No).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	,
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID;	
values:	C: ?GSM-BC=G BC ID;	
Comments:		

UIU_xxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection		provided with CFB- NDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us	er receives notification that the call has been
	forwarded" = Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:		user B, the call is forwarded to user C.
		(Invoke =NotifySS[CFB, SS-Notification]) message,
		E (Invoke =NotifySS[CFB,SS-Notification]) of call
	diversion.	
	User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
		N10) the voice/data transfer on the B-channels is
	performed correctly.	,
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID;	
values:	C: ? GSM-BC=G_BC_ID;	
Comments:		

UIUxxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion" = No, with diverted-t	o number, "diverting number is released to the
	diverted-to User" = No, "served use	er receives notification that the call has been
	forwarded" = No).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke =NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID;	
values:	C: ? GSM-BC=G BC ID;	
Comments:		

UIU_xxSSCFB05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB ("calling user is notified of call
criteria:		umber, "diverting number is released to the diverted-
	to User" = Yes, "served user received	es notification that the call has been forwarded" =
	Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	,
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (th	at one B-channel is free), the call is forwarded to user
	C who is user determined user busy.	
ISDN parameter	CFB active, User B is in the UDUB condition	
values:		
PLMN parameter	A: ! GSM-BC=G BC ID;	
values:	C: ?GSM-BC=G BC ID;	
Comments:	User A is notified with a FACILITY	(Invoke =NotifySS[CFB, SS-Notification]) message,
	user C is notified of call diversion w	vith a FACILITY IE (Invoke =NotifySS[CFB,SS-
		ing SETUP message from the network.
	User B is notified of call diversion v	with a FACILITY message (DCR) about the
	telecommunications service inform	ation, user-to-user information, served user B's
	subaddress and the calling party A	's address.

_			
UIU_xxSSCFB06	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 10.5	TS 124 082, clause 2	
	·	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_s	services/CFB	
ISDN selection criteria:	("calling user is Notified of call	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-NDUB ("calling user is Notified of call diversion" = Yes , with diverted-to number).	
	performed correctly if tones/ar		
	Ensure that in the active call s performed correctly.	tate (N10) the voice/data transfer on the B-channels is	
PLMN selection criteria:	Call to a forwarding subscribe	(CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of		
	call diversion.		
ISDN parameter values:	CFB ñ partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIU_xxSSCFB07	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_serv	ces/CFB
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion" = No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
	CCM BC C BC ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFB08	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1, clause 10.5	TS 124 082, clause 2		
		TS 123 082, clause 2		
TSSreference:	UMTS-ISDN/Supplementary serv	rices/CFB		
ISDN selection	The user B is in network N2. Part	ial rerouting provided in PTNX in case of CFB-UDUB		
criteria:	("calling user is Notified of call div	ersion" = Yes, with diverted-to number).		
PLMN selection	Call to a forwarding subscriber (C	FB)		
criteria:				
Test purpose:	User A calls user B. The public ne	etwork acts on the call rerouting invocation request from		
	the private network (NT2) and per	forms rerouting towards the indicated address (user		
	C).			
		User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of		
	call diversion.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
ICDM parameter	performed correctly.			
ISDN parameter values:	CFB ñ partial rerouting			
	CCM DC C DC ID			
PLMN parameter values:	GSM-BC=G_BC_ID			
Comments:				
Commonts.				

UIU_xxSSCFB09	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion" = No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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UII_xxSSCFB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB- UDUB ("calling user is notified of	
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:	,		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified with a FACILITY	(Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is informed of the reason for diversion.		
	User B is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII xxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = No, with diverted-t	o number, "diverting number is released to the	
	diverted-to User" = No, "served use	er receives notification that the call has been	
	forwarded" = No).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified and C is not informed of the reason for diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII_xxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection		provided with CFB- NDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us forwarded" = Yes).	er receives notification that the call has been
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	,
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is informed of the reason for diversion. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII xxSSCFB04	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion" = No , with diverted-to number, "diverting number is released to the diverted-to User" = No , "served user receives notification that the call has been forwarded" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion, and C is not informed of the reason for diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII xxSSCFB05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary servi	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-
	to User" = Yes, "served user received	ves notification that the call has been forwarded" =
	Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	,	•
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is user determined user busy.	
ISDN parameter	CFB active, User B is in the UDUB condition	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-	
	Notification]) included in the incomi	ng SETUP message from the network.
	User B is notified of call diversion v	vith a FACILITY message (DCR) about the
	telecommunications service inform	ation, user-to-user information, served user B's
	subaddress and the calling party A's address.	

UII_xxSSCFB06	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII_xxSSCFB07	ISDN ref. to:	PLMN ref. to:		
_	EN 300 207-1, clause 10.5	TS 124 082, clause 2		
		TS 123 082, clause 2		
TSSreference:	UMTS-ISDN/Supplementary_serv			
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-NDUB		
criteria:	("calling user is Notified of call dive	ersion" = No).		
PLMN selection	Call to a forwarding subscriber (Cl	FB)		
criteria:		·		
Test purpose:		twork acts on the call rerouting invocation request from		
	the private network (NT2) and per	forms rerouting towards the indicated address (user		
	C).	1 = 1		
	User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification])			
	message.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
	performed correctly.	(NTO) the voice/data transfer on the b-charmers is		
ISDN parameter	CFB ñ partial rerouting			
values:	CFB II partial rerouting			
	CCM BC C BC ID			
PLMN parameter values:	GSM-BC=G_BC_ID			
Comments:				

UII xxSSCFB08	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion" = Yes, with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
	COM DC C DC ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII_xxSSCFB09	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion" = No).
PLMN selection	Call to a forwarding subscriber (CF	-B)
criteria:		
Test purpose:		twork acts on the call rerouting invocation request from
	the private network (NT2) and perf	forms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification])	
	message of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annou	
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIP xxSSCFB01	ISDN ref. to:	PLMN ref. to:	
- XXCCC1 BC1	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TCCroforonoo	,	,	
TSSreference:	UMTS-ISDN/Supplementary_servi	,	
ISDN selection		provided with CFB- UDUB ("calling user is notified of	
criteria:		to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:	J		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB-UDUB active		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIP xxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5		
TSSreference:	UMTS-ISDN/Supplementary ser	vices/CFB	
ISDN selection	The user B is in network N2 and	is provided with CFB- UDUB ("calling user is notified of	
criteria:		d-to number, "diverting number is released to the	
	diverted-to User" = No, "served ι	ser receives notification that the call has been	
	forwarded" = No).		
PLMN selection	Call to a forwarding subscriber (C	CFB)	
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified of the forwarding number.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
ICDN parameter	performed correctly.		
ISDN parameter values:	OFB active	CFB active	
	00M PO O PO ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIP xxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection		provided with CFB-NDUB("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us	er receives notification that the call has been
	forwarded" = Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIPxxSSCFB04	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of	
criteria:	call diversion" = No, with diverted-t	o number, "diverting number is released to the	
	diverted-to User" = No, "served use	er receives notification that the call has been	
	forwarded" = No).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:	,		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	_		
Comments:			

UIP_xxSSCFB05	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_serv	vices/CFB	
ISDN selection	The user B is in network N2 and	s provided with CFB ("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to	number, "diverting number is released to the diverted-	
	to User" = Yes, "served user rece	eives notification that the call has been forwarded" =	
	Yes).		
PLMN selection	Call to a forwarding subscriber (C	FB)	
criteria:	·	·	
Test purpose:	To verify that a call is released co	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is busy.		
ISDN parameter	CFB active, User B is in the UDUB condition		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:		Y (Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is notified of call diversion	with a FACILITY IE (Invoke =NotifySS[CFB,SS-	
	Notification]) included in the incoming SETUP message from the network.		
	User B is notified of call diversion	with a FACILITY message (DCR) about the	
	telecommunications service infor	mation, user-to-user information, served user B's	
	subaddress and the calling party	A's address.	

UIP xxSSCFB06	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion" = Yes, with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP_xxSSCFB07	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_serv	rices/CFB
ISDN selection	The user B is in network N2. Part	ial rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call div	ersion" = No).
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		·
Test purpose:	the private network (NT2) and per C). User A is not notified with a FACI message. Ensure that in the call delivered st performed correctly if tones/announced.	etwork acts on the call rerouting invocation request from forms rerouting towards the indicated address (user LITY (Invoke =NotifySS[CFB, SS-Notification]) tate (N4) the transfer of tone on the B-channel is uncement are applied. • (N10) the voice/data transfer on the B-channels is
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP_xxSSCFB08	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 10.5	TS 124 082, clause 2	
		TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_set	rvices/CFB	
ISDN selection	The user B is in network N2. Par	rtial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call di	version" = Yes, with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:			
Test purpose:	User A calls user B. The public r	network acts on the call rerouting invocation request from	
	the private network (NT2) and pe	erforms rerouting towards the indicated address (user	
	C).		
	User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	,	
ISDN parameter	CFB ñ partial rerouting	,	
values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIP xxSSCFB09	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion" = No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU xxSSCFB	ISDN ref. to:	PLMN ref. to:	
01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB- UDUB ("calling user is notified of	
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:	-	•	
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.	
	User A is notified with a FACILITY	(Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is notified with a FACILITY	E (Invoke =NotifySS[CFB,SS-Notification]) of call	
	diversion.		
	User B is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/annour	·	
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	A: ! GSM-BC=G_BC_ID;		
values:	C: ? GSM-BC=G_BC_ID;		
Comments:			

UIU xxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB- UDUB ("calling user is notified of	
criteria:	call diversion" = No , with diverted-to number, "diverting number is released to the diverted-to User" = No , "served user receives notification that the call has been forwarded" = No).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB active		
PLMN parameter	A: ! GSM-BC=G_BC_ID;		
values: Comments:	C: ?GSM-BC=G_BC_ID;		

UIU xxSSCFB03	ISDN ref. to:	PLMN ref. to:	
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2	
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB("calling user is notified of	
criteria:		to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
Test purpose:		user B, the call is forwarded to user C.	
		(Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	User B is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/annour		
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter	A: ! GSM-BC=G_BC_ID;		
values:	C: ? GSM-BC=G_BC_ID;		
Comments:			

UIU xxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of
criteria:		o number, "diverting number is released to the
		er receives notification that the call has been
	forwarded" = No).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID;	
values:	C: ? GSM-BC=G_BC_ID;	
Comments:		

UIU xxSSCFB05	ISDN ref. to:	PLMN ref. to:
OIO_XXSSCFB05		
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to r	number, "diverting number is released to the diverted-
	to User" = Yes, "served user recei	ves notification that the call has been forwarded" =
	Yes).	
PLMN selection	Call to a forwarding subscriber (CF	-B)
criteria:	, ,	,
Test purpose:	To verify that a call is released cor	rectly if CFB was not successful.
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is user determined user busy.	
ISDN parameter	CFB active, User B is in the UDUB condition	
values:		
PLMN parameter	A: ! GSM-BC=G BC ID;	
values:	C: ?GSM-BC=G BC ID;	
Comments:	User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message,	
	user C is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-	
	Notification]) included in the incoming SETUP message from the network.	
		with a FACILITY message (DCR) about the
		ation, user-to-user information, served user B's
	subaddress and the calling party A's address.	
	party 7	

UIU_xxSSCFB06	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFB07	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion" = No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:		twork acts on the call rerouting invocation request from
	the private network (NT2) and perf	forms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification])	
	message.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annou	• •
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFB08	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFB09	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary serv	rices/CFB
ISDN selection	The user B is in network N2. Part	ial rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call div	rersion" = No).
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		·
Test purpose:		etwork acts on the call rerouting invocation request from
	the private network (NT2) and per	forms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification])	
	message of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	1.	e (N10) the voice/data transfer on the B-channels is
	performed correctly.	(1110) the voice/data transfer on the D-charmes is
ISDN parameter	CFB ñ partial rerouting	
values:	or bir partial relocting	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIU_xxSSCFNR01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1, clause 9.2.2, TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling	
criteria:	user is Notified of call diversion" = Yes , with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU_xxSSCFNR02	ISDN ref. to: EN 300 207-1, clause 9.2.2,	PLMN ref. to: TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	•
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" = released to the diverted-to User" =	No, with diverted-to number, "diverting number is
DI MAL I 1		1
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

UIU_xxSSCFNR03	ISDN ref. to: PLMN ref. to:
	EN 300 403-1, clause 9.2.2, TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR
ISDN selection	The user B is in network N2 and is provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call diversion" = Yes , with diverted-to number, "diverting number is released to the diverted-to user " = Yes).
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.
ISDN parameter values:	CFNR active
PLMN parameter values:	GSM-BC=G_BC_ID
Comments:	User A is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.

UIU_xxSSCFNR04	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_ser	vices/CFNR	
ISDN selection	The user B is in network N2 and	is provided with CFNR (option B, immediate release)	
criteria:	("calling user is Notified of call dinumber is released to the diverte	version" = No , with diverted-to number, "diverting	
PLMN selection criteria:		Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFNR active		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:		ed and user C is Notified of call diversion with a CFNR,SS-Notification]) included in the incoming SETUP	

UIU_xxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive number is released to the diverted-	rsion" = Yes , with diverted-to number, "diverting to User" = Yes).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful.	
	Ensure that when user A calls user is user determined user busy.	B, if unanswered, the call is forwarded to user C who
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	user C is Notified of call diversion v	(Invoke =NotifySS[CFNR, SS-Notification]) message, vith a FACILITY IE (Invoke =NotifySS[CFNR,SS-
	User B is Notified of call diversion	ng SETUP message from the network. with a FACILITY message (DCR) about the
	telecommunications service informations subaddress and the calling party A	ation, user-to-user information, served user B's s address.

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UIU_xxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion" = Yes, with diverted-to
	number).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	,	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
<u> </u>	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling us	er is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	FNR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
	GSM BC G BC ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU_xxSSCFNR08	ISDN ref. to:	PLMN ref. to:	
<u> </u>	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR	
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling use number).	B, immediate release). ("calling user is Notified of call diversion" = Yes, with diverted-to	
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFNR-partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIU_xxSSCFNR09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection		al rerouting provided in PTNX in case of CFNR
criteria:	(option B, immediate release). ("ca	Iling user is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR ñ partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII xxSSCFNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:		Yes, with diverted-to number, "diverting number is
	released to the diverted-to user "=	Yes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A is Notified with a FACILITY user C is Notified of call diversion wontification]) included in the incominater B is Notified of call diversion with telecommunications service inform subaddress and the calling party A user C receives the reason for call Ensure that in the call delivered staperformed correctly if tones/announced.	diversion. ate (N4) the transfer of tone on the B-channel is
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII xxSSCFNR02	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" = released to the diverted-to User" =	No , with diverted-to number, "diverting number is No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. User A and user C are not Notified of call diversion	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII_xxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User C receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII_xxSSCFNR04	ISDN ref. to: EN 300 403-1, clause 9.2.2,	PLMN ref. to: TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call divenumber is released to the diverted	ersion" = No , with diverted-to number, "diverting eto User" = No).
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A user B and user C are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII xxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number, "diverting
	number is released to the diverted-	to User" = Yes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user successful.	B, the call is released correctly if CFNR was not
	Ensure that when user A calls user is user determined user busy.	B, if unanswered, the call is forwarded to user C who
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	IODNI C.	
UIIxxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2. Partia	Il rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion" = Yes, with diverted-to
	number).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	,	,
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII_xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling us	er is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:	COM DO C DO ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII_xxSSCFNR08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection		I rerouting provided in PTNX in case of CFNR (option
criteria:	B, immediate release). ("calling user is Notified of call diversion" = Yes , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII_xxSSCFNR09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR
criteria:	(option B, immediate release). ("cal	lling user is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		·
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIP xxSSCFNR01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFNR	
ISDN selection		provided with CFNR (option A, late release) ("calling	
criteria:	user is Notified of call diversion" = released to the diverted-to user "=	user is Notified of call diversion" = Yes, with diverted-to number, "diverting number is	
PLMN selection	Call to a forwarding subscriber (CF	NR)	
criteria:	,	,	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFNR active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIP xxSSCFNR02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" = No , with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C.	
	User A and user B are not Notified of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

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UIP_xxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes).
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIP_xxSSCFNR04	ISDN ref. to: EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	PLMN ref. to: TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary servi	,
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = No , with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A and user B are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP_xxSSCFNR05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)	
criteria:		("calling user is Notified of call diversion" = Yes , with diverted-to number, "diverting number is released to the diverted-to User" = Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)		
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.		
ISDN parameter values:	CFNR active		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	User B is Notified of call diversion v	(Invoke =NotifySS[CFNR, SS-Notification]) message. with a FACILITY message (DCR) about the ation, user-to-user information, served user B's s address.	

UIP xxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary servi	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling user is Notified of call diversion" = Yes , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR ñ partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIP xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling us	er is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP xxSSCFNR08	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFNR	
ISDN selection		al rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling us number).	B, immediate release). ("calling user is Notified of call diversion" = Yes , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFNR ñ partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

UIPxxSSCFNR09	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3		
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3		
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR		
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR		
criteria:	(option B, immediate release). ("ca	lling user is Notified of call diversion" = No).		
PLMN selection	Call to a forwarding subscriber (CF	NR)		
criteria:				
Test purpose:	User A calls user B. The public net	work acts on the call rerouting invocation request from		
	the private network (NT2) and perf	orms rerouting towards the indicated address (user		
	C).	• • • • • • • • • • • • • • • • • • • •		
	User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification])			
	message.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
ICDN parameter	performed correctly.			
ISDN parameter	CFNR ñ partial rerouting			
values:	0014 D0 0 D0 ID			
PLMN parameter values:	GSM-BC=G_BC_ID			
Comments:				

UIU_xxSSCFNR01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clause 9.2.2,	ΓS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	ΓS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_service	es/CFNR	
ISDN selection	The user B is in network N2 and is p	rovided with CFNR (option A, late release) ("calling	
criteria:		es, with diverted-to number, "diverting number is	
	released to the diverted-to user "= Y	es).	
PLMN selection	Call to a forwarding subscriber (CFN	IR)	
criteria:			
Test purpose:	Ensure that when user A calls user E	B, if unanswered, the call is forwarded to user C.	
		e (N4) the transfer of tone on the B-channel is	
		performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFNR active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:		Invoke =NotifySS[CFNR, SS-Notification]) message,	
		th a FACILITY IE (Invoke =NotifySS[CFNR,SS-	
		g SETUP message from the network.	
		ith a FACILITY message (DCR) about the	
	telecommunications service informat	tion, user-to-user information, served user B's	
	subaddress and the calling party A's	address.	

UIU xxSSCFNR02	ISDN ref. to:	PLMN ref. to:
_	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion" = released to the diverted-to User" =	No , with diverted-to number, "diverting number is No).
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

UIU_xxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive number is released to the diverted-	rsion" = Yes , with diverted-to number, "diverting to user " = Yes).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user C is Notified of call diversion v Notification]) included in the incomi User B is Notified of call diversion v	(Invoke =NotifySS[CFNR, SS-Notification]) message, with a FACILITY IE (Invoke =NotifySS[CFNR,SS-ng SETUP message from the network. with a FACILITY message (DCR) about the ation, user-to-user information, served user B's s address.

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UIU_xxSSCFNR04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2 and is provided with CFNR (option B, immediate release)	
criteria:	("calling user is Notified of call diversion" = No , with diverted-to number, "diverting	
	number is released to the diverted-to User" = No).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a	
	FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP	
	message from the network.	

UIU_xxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection		provided with CFNR (option B, immediate release)
criteria:		rsion" = Yes, with diverted-to number, "diverting
	number is released to the diverted-	to User" = Yes).
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful.	
	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	user C is Notified of call diversion v Notification]) included in the incomi	(Invoke =NotifySS[CFNR, SS-Notification]) message, with a FACILITY IE (Invoke =NotifySS[CFNR,SS-ng SETUP message from the network.
	User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

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UIU_xxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion" = Yes, with diverted-to
	number).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	,	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 10.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFNR
ISDN selection	The user B is in network N2. Partia	Il rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR-partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFNR08	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3	
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3	
TSSreference:	UMTS-ISDN/Supplementary_service	es/CFNR	
ISDN selection		rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling user number).	B, immediate release). ("calling user is Notified of call diversion" = Yes, with diverted-to	
PLMN selection	Call to a forwarding subscriber (CFN	IR)	
criteria:	,	,	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFNR-partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIU_xxSSCFNR09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2,	TS 124 082, clause 3
	clause 9.2.4.4, clause 9.2.5	TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_servi	
ISDN selection		al rerouting provided in PTNX in case of CFNR
criteria:	(option B, immediate release). ("ca	Iling user is Notified of call diversion" = No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR ñ partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI xxSSHOLD01	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 123 083, clause 2
	ETS 300 196, clause 7.1	TS 124 083, clause 2
TSSreference:	UMTS-ISDN/Supplementary	services/HOLD
ISDN selection	The calling user is provided v	vith HOLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the calling user c	an initiate Call Hold, the called remote user is notified of
	call hold and the call can be r	etrieved
ISDN parameter	BC=I_BC_ID,	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UI xxSSHOLD02	ISDN ref. to:	PLMN ref. to:
01XX001102202	EN 300 141-1, clause 7	TS 123 083, clause 2
	ETS 300 196. clause 7.1	TS 124 083, clause 2
	,	,
TSSreference:	UMTS-ISDN/Supplementary servi	ces/HOLD
ISDN selection	The called user is provided with HO	DLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UI xxSSCW01	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1, clause 7	TS 123 083, clause 1
	EN 300 403-1, clause 4.5.2.1	TS 124 083, clause 1
TSSreference:	UMTS-ISDN/Supplementary_ser	vices/CW
ISDN selection	The called user is provided with	CW
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the called ISDN user	r is busy, the called user is notified of the call waiting.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSCW02	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1, clause 7	TS 123 083, clause 1
	EN 300 403-1, clause 4.5.2.1	TS 124 083, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CW
ISDN selection	The called user is provided with CV	V
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the Waiting call is relea	ased at the terminating exchange after timer expired
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSUUS1i01	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.1.1.1,	TS 124 008, clause 10.5.4.25,	
	clause 9.1.2.1		
	EN 300 403-1, clause 4.5.30		
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1	
ISDN selection	UUS1i		
criteria:			
PLMN selection	The calling (served) user is provide	The calling (served) user is provided with UUS1 implicit request.	
criteria			
Test purpose:	Ensure that the network can transp	Ensure that the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent		
	by the network to the called user		
ISDN parameter	BC=I_BC_ID,		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values	_		
Comments:			

UI xxSSUUS1i02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.1	TS 124 008, clause 10.5.4.25
	EN 300 403-1, clause 4.5.30	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included in the ALERTING message sent from the called user to the	
	calling user.	
ISDN parameter	BC= BC=I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values	_	
Comments:		

UI xxSSUUS1i03	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.1	TS 124 008, clause 10.5.4.25,
	EN 300 403-1, clause 4.5.30	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria	- ' ' ' '	· · ·
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included in the CONNECT message sent from the called user to the	
	calling user	
ISDN Parameter	BC=I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values:		
Comments:		

UIxxSSUUS1i04	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.2.2.1a	TS 124 008, clause 10.5.4.25,
	EN 300 403-1,	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria:		
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter	BC= BC=I BC ID, UI length = 32	
values:		
PLMN parameter	GSM-BC= G_BC_ID, UI length = 32	
values	_	
Comments:		

UIxxSSUUS1i05	PLMN ref. to EN 300 055-1, clause 9.1.2.2.1b EN 300 403-1	PLMN ref. to: TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary service	ces/UUS1
ISDN selection	UUS1i	·
criteria:		
PLMN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user	
ISDN parameter	BC=I_BC_ID, UI length = 32	
values:		
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values		
Comments:		

UI xxSSUUS1i06	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.1.1.2.2	TS 124 008, clause 10.5.4.25,	
	EN 300 403-1, clause 7		
TSSreference:	UMTS-ISDN/Supplementary_serv	vices/UUS1i	
ISDN selection	UUS1i		
criteria:			
PLMN selection	The calling (served) user is provide	The calling (served) user is provided with UUS1 implicit request.	
criteria:			
Test purpose:	The requested UUS is not supported in Network B.		
	Verify that UUI can be discarded	by the network without disrupting normal call handling	
ISDN Parameter	BC=I_BC_ID, UI length = 32		
values:			
PLMN parameter	GSM-BC=G_BC_ID UI length = 3	2	
values:	_		
Comments:			

UIxxSSUUS1e01	ISDN ref. to: EN 300 055-1, clause 9.1.1.2.1 EN 300 403-1, clause 7	PLMN ref. to: EN 300 646-1, clause 6.1.1.4
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/UUS1e
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS not required" (not-essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIxxSSUUS1e02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the ALERTING message sent to the called network. The called network shall include the error value in the alerting indication sent to the calling network. The calling network shall also include this rejection in the corresponding ALERTING message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSSUUS1e03	ISDN ref. to: EN 300 055-1, clause 9.1.1.2.2	PLMN ref. to: EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the CONNECT message sent to the called network. The called network shall include the error value in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UI xxSSUUS1e04	ISDN ref. to:	PLMN ref. to:
UIXX33UU31eU4		
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124.087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	Destination network rejects explic	it the UUS1 request
criteria:		
Test purpose: ISDN Parameter values:	Ensure that after explicit request of UUS1 indicating "UUS not required", the destination network rejects explicit the UUS1 request without disrupting normal call handling. The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user. BC=I_BC_ID	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	called user cannot support service "service 1 not provided" indication i	btained the knowledge that the network itself or the 1 and it was explicitly requested as non-essential, a s returned in the user-to-user indicators parameter in s, answer, connect, or release messages.

UIxxSSUUS1e05	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_servi-	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS required" (essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter	BC=I_BC_ID,	
values:		
PLMN parameter	GSM-BC=G_BC_ID	·
values:		
Comments:		

UIxxSSUUS1e06	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary servi	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", if the called user rejects the call with a RELEASE COMPLETE message indicating cause value #29 "facility rejected", the network transport the cause value to the calling user. A UUS1 rejection with Error value "rejectedByUser" shall be included in the message. The calling network shall include the cause value and the error value received from the called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSUUS1e07	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", the called network receives an ALERTING message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the Called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		-

UIxxSSUUS1e08	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", the called network receives an CONNECT message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSSUUS1e09	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	Called network does not receive an	explicit service 1 acceptance
criteria:		
Test purpose:	Ensure that after explicit request of	
	If the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message sent to the calling user. Furthermore, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" to the called user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSUUS1e10	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	
TSSreference:	UMTS-ISDN/Supplementary_servi-	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", and the called network already has obtained knowledge that the network itself cannot support service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIxxSSUUS201	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.2.1	EN 300 646-1
		TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS2
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:		2 indicating " UUS not required ", the network can essages between the ALERTING and the CONNECT
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSUUS202	ISDN ref. to:	PLMN ref. to:
01	EN 300 055-1, clause 9.2.1.2	EN 300 646-1
	EN 300 055-1, clause 9.2.1.2	1
		TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/UUS2
ISDN selection	UUS 2e, point-to-point configuration	n
criteria:		
PLMN selection		
criteria:		
Test purpose:	not receive an explicit acceptance called user, a UUS2 rejection with	22 indicating "UUS not required", if the network does or rejection in the ALERTING message from the the Error value "rejected by the user, it is returned to essage sent from the network and the call can be
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSSUUS203	PLMN ref. to: TS 124 087 TS 123 087	
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
ISDN Parameter values:	GSM-BC=G_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI xxSSUUS204	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/UUS2
ISDN selection	UUS 2e, point-to-point configuration	n
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as " UUS not required" (not-essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UU xxSSUUS205	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2
ISDN selection	UUS 2e, point-to-point configuration
criteria:	
PLMN selection	
criteria:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required ", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.
ISDN Parameter values:	GSM-BC=G_BC_ID
PLMN parameter values:	GSM-BC=G_BC_ID
Comments:	

UUxxSSUUS206	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	UMTS-ISDN/Supplementary services/UUS2
ISDN selection	UUS 2e, point-to-point configuration
criteria:	
PLMN selection	
criteria:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required ", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.
ISDN Parameter values:	GSM-BC=G_BC_ID
PLMN parameter	GSM-BC=G_BC_ID
values:	
Comments:	

UI xxSSUUS301	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:		3 during call establishment indicating " UUS not ort USER INFORMATION messages in both directions
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIxxSSUUS302	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1	
	EN 300 403-1, clause 7	TS 124 087	
TSSreference:	UMTS-ISDN/Supplementary_ser	vices/UUS3	
ISDN selection	UUS3		
criteria:			
PLMN selection	Ensure that after the calling user	Ensure that after the calling user request UUS3 during call establishment indicating	
criteria:		"UUS not required", if the network does not receive an explicit acceptance or rejection	
	in the CONNECT message from the called user, a UUS3 rejection with the Error value		
	"rejected by the user" is included	I in the CONNECT message sent to the calling user.	
Test purpose:			
ISDN Parameter	BC=I BC ID		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UI xxSSUUS303	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.1.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS3
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:		3 during call establishment indicating " required ", the RMATION messages in both directions during the
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSUUS304	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.2.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_service	ces/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating "UUS not	
	required", the network can transport USER INFORMATION messages in both directions	
	during the Active state of the call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UI xxSSUUS305	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.3.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	UMTS-ISDN/Supplementary servi	
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	"UUS not required", if the called u	equest UUS3 during the Active call state indicating ser rejects the service 3 request, the network can notuding a UUS3 rejection with the Error value ed user to the calling user.
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIUxxSSECT01	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_service	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state-Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIUxxSSECT02	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_service	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call sate and the call A-C is in the Active call state \tilde{n} Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIUxxSSECT03	ISDN ref. to: PLMN ref. to:	
	EN 300 369-1, clause 9 TS 124 008	
TSSreference:	UMTS-ISDN/Supplementary services/ECT	
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state $\tilde{\mathbf{n}}$ Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIUxxSSECT04	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_service	ces/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state and the call A-C is in the Call Delivered State-Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSSCCBS01	ISDN ref. to: PLMN ref. to:		
UIXXSSCCB301	EN 300 359-1, clause 9.1.2 EN 300 646, clause 6.1.1.14		
	TS 124 093		
TSSreference:			
ISDN selection	UMTS-ISDN/Supplementary_services/CCBS		
criteria:	DLE is supporting the CCBS supplementary service		
PLMN selection	OLE is a comparation the CCRC accordance and as MCA is idle		
criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.		
	Enguing that MC A can getablish a guessasful CCDC gall gatus		
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.		
ISDN parameter values:	BC=I_BC_ID		
	COM DO C DO ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
· · · · · · · · · ·	The natural NA in the Discount to disction call state NAO (see disc. DISCONNECT		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the		
	AccessRegisterCCEntry,		
	the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.		
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network.		
	The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container.		
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)		
	and Low Level Compatibility (LLC) information within the Setup container.		
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it		
	shall send a RECALL message to MS A, which contains information to be presented to		
	the subscriber.		
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the		
	SETUP message.		
	MSC A shall maintain the RR connection with MS A throughout the time when		
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.		

MS	SETUP
	(Bearer capability, CC capabilities, Called party BCD number)
	DISCONNECT
<	((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)
	RELEASE
	Facility (Invoke = AccessRegisterCCEntry)
	RELEASE COMPLETE
<	Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)
<-	NETWORK RR CONNECTION ESTABLISHED>
<-	CM SERVICE PROMPT
	START CC
	CC ESTABLISHMENT
<-	(Setup container)
	CC ESTABLISHMENT CONFIRMED
	(BC"(s)),
_	RECALL
	lity (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode, Alerting Pattern))
	SETUP

UI xxSSCCBS02	ISDN ref. to:	PLMN ref. to:
01XX0000B002	EN 300 359-1, clause 9.1.2	EN 300 646, clause 6.1.1.14
	211 000 000 1, claudo 0.112	TS 124 093
TSSreference:	UMTS-ISDN/Supplementary services/CCBS	
ISDN selection		
criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection	OLE is supporting the CCBS supp	lementary service MS Δ is idle
criteria:	OLE is supporting the OOBS supp	lementary service. INO A is luie.
Test purpose:	Ensure that MS A can establish a	successful CCBS call setup.
ISDN parameter	BC=I BC ID	1
values:		
PLMN parameter	GSM-BC=G BC ID	
values:	GSM-LLC=G LLC ID	
	GSM-HLC=G HLC ID	
		Compatibility (HLC) and Low Level Compatibility
	(LLC) information within the Setup	
	G BC ID CONT	oornamor.
	G LLC ID CONT	
	G HLC ID CONT	
		Compatibility (HLC) and Low Level Compatibility
		STABLISHMENT CONFIRMED message
	G BC ID CC E C	TINDEIGHWEITH GOITH IT IWED Message
	G LLC ID CC E C	
	G HLC ID CC E C	
Comments:		Indication call state N12 (sending a DISCONNECT
Comments.	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
		OMPLETE message containing a Facility information
		urn result component including the CCBS Index and
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of	
	recalling destination B.	
		allocate a Transaction Identifier (TI) and establish the
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container.	
		Canability (BC) High Level Compatibility (HLC) and
	The MS is modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
		CC ESTABLISHMENT CONFIRMED message it
		MS A, which contains information to be presented to
	the subscriber.	who A, which contains information to be presented to
		CBS recall, the MS A shall establish a new call with the
	SETUP message.	recail, the Ivio A shall establish a new call with the
		nection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	

Values for test purpose UI	xxSSCCBS02	
VA_01	GSM-BC=Speech	
	G_BC_ID_CONT = speech	
	G_BC_ID_CC_E_C = speech	
	G HLC ID CC E C= telephony	
VA_02	GSM-BC=Speech	
	GSM-HLC= telephony	
	G_BC_ID_CONT = speech	
	G_HLC_ID_CONT= telephony	
	G_BC_ID_CC_E_C = speech	
	G_LLC_ID_CC_E_C = 3,1 kHz audio	
	G_HLC_ID_CC_E_C= telephony	
VA_03	GSM-BC=3,1kHz audio ex PLMN	
	G_BC_ID_CONT = 3,1 kHz audio ex PLMN	
	G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN	
	G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN	
VA_04	GSM-BC = facsimile G3	
	G_BC_ID_CONT = facsimile G3	
	G_BC_ID_CC_E_C = facsimile G3	
	G HLC ID CC E C = Facsimile G2/G3	
VA_05	GSM-BC = facsimile G3	
	G_HLC = Facsimile G2/G3	
	G_BC_ID_CONT = facsimile G3	
	G_HLC_ID_CC_E_C = Facsimile G2/G3	
	G_BC_ID_CC_E_C = facsimile G3	

UI xxSSCCBS03	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1, clause 9.4.3.1,	EN 300 646, clause 6.1.1.14
	clause 9.4.4.1	TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		,
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:		oceeding call state (the CCBS Recall message was
	received and the CCBS Call Set-up	
		the call with a ALERTING message
		nessage. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	
network moves to call state N01. When user B has responded to the call with a ALERTING message the N an ALERTING message. Normal call handling continues.		call with a ALERTING message the MS A receives

UI xxSSCCBS04	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is idle.
criteria:		
Test purpose:		oceeding call state (the CCBS Recall was is received
		nt) and when user B has responded to the call with a
	9 ,	ceives an CONNECT message. Normal call handling
	continues.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	message to MS A with a diagnostic CCBSPossible) on receipt of a REI	Indication call state N12 (sending a DISCONNECT c field indicating CCBS possible, allowed actions= LEASE message with a FACILITY information
	element indicating CCBSRequest i	nvoke component including the
	AccessRegisterCCEntry,	MDLETE manage containing a Facility information
	the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	ESTABLISHMENT Message to MS A Which shall
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

UI xxSSCCBS05	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1, clause 9.5.4.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary servi	ces/CCBS
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.	
criteria:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the	
	CCBS Recall and release the existing call.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UI xxSSCCBS	ISDN ref. to:	PLMN ref. to:
06	EN 300 359-1, clause 9.5.4.2	EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_service	ces/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is not idle.
criteria:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
ISDN parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIxxSSCCBS	ISDN ref. to:	PLMN ref. to:
07	EN 300 359-1, clause 9.2.1,	EN 300 646, clause 6.1.1.14
	clause 9.4.4.1	TS 124 093, clause 4.3
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) the user can deactivate a specific CCBS request	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REUISTER message, with the Facility information element, indicating EraseCCEntry.	

UI xxSSCCBS	ISDN ref. to:	PLMN ref. to:	
08	EN 300 359-1, clause 9.2.1,	EN 300 646, clause 6.1.1.14	
	clause 9.4.4.1	TS 124 093, clause 4.4	
TSSreference:	UMTS-ISDN/Supplementary se	ervices/CCBS	
ISDN selection	DLE is supporting the CCBS su	pplementary service	
criteria:			
PLMN selection	OLE is supporting the CCBS su	ipplementary service. MS A is idle.	
criteria:	5		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state), the user can deactivate outstanding CCBS requests		
ISDN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G BC ID	
values:			
Comments:			

UIxxSSCCBS	ISDN ref. to:	PLMN ref. to:
09	EN 300 359-1	EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CCBS
ISDN selection criteria:	DLE is supporting the CCBS supple	ementary service
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

UI xxSSCCBS	ISDN ref. to:	PLMN ref. to:
10	EN 300 359-1	EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary service	ces/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		•
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is idle.
criteria:		·
Test purpose:	Ensure that when the subscriber A	explicitly rejects the CCBS Recall, the MS sends a
	RELEASE COMPLETE message.	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a	
	CCBS Request.	
	The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or	
	cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is	
	Possible and allowed actions indicating CCBS is Possible. The network starts the	
	retention timer T1 when it sends the DISCONNECT message.	
	If the subscriber A does not accept CCBS activation, the MS shall send normal	
	RELEASE message and the netwo	rk shall stop T1 and continue normal call clearing. If
	the timer T1 expires before the RE	LEASE message is received from the MS, the
	network shall continue normal call clearing.	

INTERACTIONS

		,
	ISDN ref. to:	PLMN ref. to:
COLP01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces
ISDN selection		provided with CFU("calling user is notified of call
criteria:		umber, "diverting number is released to the diverted-
		es notification that the call has been forwarded"
	=Yes).	
PLMN selection	User A is provided with CLIP and C	OLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.
		and the presentation of the diverted-to number is
	allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annour	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIU_xxSICFU_CLIP_	ISDN ref. to:	PLMN ref. to:
COLP02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary service	ces
ISDN selection		provided with CFU("calling user is notified of call
criteria:		umber, "diverting number is released to the diverted-
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"
	=Yes).	
PLMN selection	User A is provided with CLIR and C	
criteria:	User C is provided with COLR and	CLIP.
Test purpose:	Ensure that when user A calls user	
		and the presentation of the diverted-to number is not
		supplementary service of the diverted-to user.
	User B is notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling	
	party number information element is delivered to the called user without any digit	
	information.	
		te (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSSCFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
_	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary service	
ISDN selection		provided with CFB- UDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us	er receives notification that the call has been
	forwarded" = Yes).	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:		user B, the call is forwarded to user C.
		(Invoke =NotifySS[CFB, SS-Notification]) message
		d-to number is allowed accordance with the COLR
	supplementary service of the divert	
		vith a FACILITY message (DCR) about the
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
		tte (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

ISDN parameter	performed correctly. CFB-UDUB active		
		ncement are applied. (N10) the voice/data transfer on the B-channels is	
		ate (N4) the transfer of tone on the B-channel is	
	party number information element is delivered to the called user without any digit information.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.		
	User B is notified of call diversion.	,	
		sentation of the diverted-to number is not allowed mentary service of the diverted-to user.	
		with a FACILITY (Invoke =NotifySS[CFB, SS-	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
criteria:	User C is provided with COLR and		
PLMN selection	User A is provided with CLIR and 0	COLE	
	forwarded" = Yes , "served us	ser receives notification that the call has been	
criteria:		-to number, "diverting number is released to the	
ISDN selection		provided with CFB- UDUB ("calling user is notified of	
TSSreference:	UMTS-ISDN/Supplementary_servi	ces	
	clause 9.2.5	TS 123 082, clause 1	
UIU_xxSICFB_CLIP_ COI P02	ISDN ref. to: EN 300 207-1, clause 9.2.2,	PLMN ref. to: TS 124 082. clause 1	

UIU_xxSSCFB_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP04	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	diverted-to user "= Yes, "served us	er receives notification that the call has been
	forwarded" = Yes).	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:		user B, the call is forwarded to user C.
	User A is notified with a FACILITY	(Invoke =NotifySS[CFB, SS-Notification]) message
	and the presentation of the diverted	d-to number is allowed accordance with the COLR
	supplementary service of the diverted-to user.	
	User B is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-NDUB active	
values:	0.5.15.55 454.75	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU_xxSICFB_CLIP_	ISDN ref. to:	PLMN ref. to:	
COLP05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces	
ISDN selection	The user B is in network N2 and is	provided with CFB- NDUB ("calling user is notified of	
criteria:		to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:	User C is provided with COLR and		
Test purpose:		user B, the call is forwarded to user C.	
		vith a FACILITY (Invoke =NotifySS[CFB, SS-	
		sentation of the diverted-to number is not allowed	
		mentary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-NDUB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIU xxSICFNR CLI	ISDN ref. to:	PLMN ref. to:
P_COLP01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
_	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is notified of call diversion" = Y	'es , with diverted-to number, "diverting number is
	released to the diverted-to user "= "	Yes).
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIU_xxSICFNR_CLI	ISDN ref. to:	PLMN ref. to:
P_COLP02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:		fes, with diverted-to number, "diverting number is
	released to the diverted-to user "=	,
PLMN selection	User A is provided with CLIR and C	
criteria:	User C is provided with COLR and	CLIP.
Test purpose:	User A is notified of call diversion of Notification]) message and the presaccordance with the COLR suppler User B is notified of call diversion. User C is notified with a FACILITY diversion. Ensure that when the Calling party party number information element information. Ensure that in the call delivered state performed correctly if tones/annound Ensure that in the active call state in performed correctly.	B, if unanswered, the call is forwarded to user C. with a FACILITY (Invoke =NotifySS[CFNR,SS-sentation of the diverted-to number is not allowed mentary service of the diverted-to user. IE (Invoke =NotifySS[CFNR,SS-Notification]) of call number is provided by the calling user, the Calling sedivered to the called user without any digit ate (N4) the transfer of tone on the B-channel is necessary in the content are applied. (N10) the voice/data transfer on the B-channels is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU xxSICFNR CLI	ISDN ref. to:	PLMN ref. to:
P_COLP04	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	es
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is notified of call diver	sion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes).
PLMN selection	User A is provided with CLIP and C	OLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIU xxSICFNR CLI	ISDN ref. to:	PLMN ref. to:
P COLP05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
_	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces
ISDN selection		provided with CFNR (option B, immediate release)
criteria:		rsion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes)
PLMN selection	User A is provided with CLIR and C	
criteria:	User C is provided with COLR and	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIIxxSICFU_CLIP_	ISDN ref. to:	PLMN ref. to:	
COLP01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		umber, "diverting number is released to the diverted-	
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"	
	=Yes).		
	User C is provided with CLIP.		
PLMN selection	User A is provided with CLIP and C	COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is notified of call diversion and the presentation of the diverted-to number is		
	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C receives the Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII xxSICFU CLIP	ISDN ref. to:	PLMN ref. to:	
COLP02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-	
	to user "= Yes, "served user receiv	es notification that the call has been forwarded"	
	=Yes).		
	User C is provided with COLR and	CLIP.	
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user		
	User A is notified of call diversion a	and the presentation of the diverted-to number is not	
		supplementary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:	or oddayo		
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UIIxxSICFU_CLIP_	ISDN ref. to:	PLMN ref. to:	
COLP03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		mber, "diverting number is released to the diverted-to	
		notification that the call has been forwarded" = No) and	
	CLIR.		
	User C is provided with CLIP.		
PLMN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

TSSreference:	clause 9.2.4.3, clause 9.2.5 TS UMTS-ISDN/Supplementary_services	S 124 082, clause 2 S 123 082, clause 2	
TSSreference:	UMTS-ISDN/Supplementary_services	,	
	<u> </u>	- /OED	
ISDN selection	The week Die in network NO and is not	S/CFB	
		ovided with CFB- UDUB ("calling user is notified of	
		number, "diverting number is released to the	
	•	receives notification that the call has been	
	forwarded" = Yes).		
	User C is provided with CLIP.		
	User A is provided with CLIP and CO	LP.	
criteria:			
	Ensure that when user A calls busy us		
		nvoke =NotifySS[CFB, SS-Notification]) message	
		o number is allowed accordance with the COLR	
	supplementary service of the diverted-to user.		
	User B is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address.		
	User C receives the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
[performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII xxSICFB CLIP	ISDN ref. to:	PLMN ref. to:	
COLP02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFU	
ISDN selection		provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the	
	diverted-to user "= Yes, "served us	er receives notification that the call has been	
	forwarded" = Yes).		
	User C is provided with COLR and	CLIP.	
PLMN selection	User A is provided with CLIR and 0	COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user		
		vith a FACILITY (Invoke =NotifySS[CFB, SS-	
	Notification]) message and the presentation of the diverted-to number is not allowed		
	accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C can receive the Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UII xxSICFB CLIP	ISDN ref. to:	PLMN ref. to:	
COLP03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_servi-		
ISDN selection		provided with CFB- UDUB ("calling user is notified of	
criteria:	call diversion" = No , with diverted-to number, "diverting number is released to the		
	1	er receives notification that the call has been	
	forwarded" = No) and CLIR.		
	User C is provided with CLIP.		
PLMN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-		
	Notification]) message and not informed of the diverted-to number.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/annous		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

UII xxSSCFB CLIP	ISDN ref. to:	PLMN ref. to:
COLP04	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 2
	clause 9.2.4.3, clause 9.2.5	TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary service	ces/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion" = Yes, with diverted-	to number, "diverting number is released to the
	diverted-to user "= Yes, "served us	er receives notification that the call has been
	forwarded" = Yes).	
	User C is provided with CLIP.	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:		
Test purpose:		user B, the call is forwarded to user C.
		(Invoke =NotifySS[CFB, SS-Notification]) message
	and the presentation of the diverted-to number is allowed accordance with the COLR	
	supplementary service of the diverted-to user.	
	User B is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User C receives the <i>Redirecting number</i> IE giving the reason for call diversion with the	
	presentation indicator set to "presentation allowed".	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
		te (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
ICDN maramatar	performed correctly.	
ISDN parameter values:	CFB-UDUB active	
	COM PO O PO ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIIxxSICFB_CLIP_	ISDN ref. to:	PLMN ref. to:
COLP05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	
ISDN selection		provided with CFB-NDUB ("calling user is notified of
criteria:		to number, "diverting number is released to the
	•	er receives notification that the call has been
	forwarded" = Yes).	
	User C is provided with COLR and	
PLMN selection	User A is provided with CLIR and C	COLP.
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C can receive the Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII_xxSICFB_CLIP_	ISDN ref. to:	PLMN ref. to:
COLP06	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	
ISDN selection	The user B is in network N2 and is	provided with CFB- NDUB ("calling user is notified of
criteria:		o number, "diverting number is released to the
	diverted-to user "= No, "served use	r receives notification that the call has been
	forwarded" = No) and CLIR.	
	User C is provided with CLIP.	
PLMN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP.
criteria:	·	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII_xxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP01	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:		Yes , with diverted-to number, "diverting number is
	released to the diverted-to user "= Yes).	
	User C is provided with CLIP.	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C receives the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UIIxxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP02	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFU
ISDN selection	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling	
criteria:	user is notified of call diversion" = "	Yes, with diverted-to number, "diverting number is
	released to the diverted-to user "=	Yes)
	User C is provided with COLR and	CLIP.
PLMN selection	User A is provided with CLIR and 0	COLP.
criteria:	·	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIIxxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP03	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary services/CFU	
ISDN selection	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling	
criteria:	user is notified of call diversion" = No , with diverted-to number, "diverting number is	
	released to the diverted-to user "= I	No and CLIR.
	User C is provided with CLIP.	
PLMN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UII xxSICFNR CLIP	ISDN ref. to:	PLMN ref. to:
_COLP04	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary services/CFU	
ISDN selection	The user B is in network N2 and is provided with CFNR (option B, immediate release)	
criteria:		sion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes).
	User C is provided with CLIP.	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C receives the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UII_xxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP05	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1
	clause 9.2.5	TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/CFU
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is notified of call dive	rsion" = Yes , with diverted-to number, "diverting
	number is released to the diverted-	to user "= Yes)
	User C is provided with COLR and	CLIP.
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
	004 00 0 00 10	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIIxxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:	
_COLP06	EN 300 207-1, clause 9.2.2,	TS 124 082, clause 1	
	clause 9.2.5	TS 123 082, clause 1	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CFU	
ISDN selection	The user B is in network N2 and is provided with CFNR (option B, immediate release)		
criteria:	("calling user is notified of call diversion" = No , with diverted-to number, "diverting		
	number is released to the diverted-	to user "= No and CLIR.	
	User C is provided with CLIP.		
PLMN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP.		
criteria:		·	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

NON-SYMMETRICAL TESTS

UI xxSNTP01	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.1	EN 300 646-1clause 6.1.1.3
	EN 300 403-1, clause 5.6	
TSSreference:	UMTS-ISDN/Supplementary services/TP	
ISDN selection	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the calling user is notif	ed of the call suspension and resumption by the
	called user.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:	The called user must be a basic ac	cess.

UI xxSNTP02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.2	EN 300 646-1, clause 6.1.1.3
	EN 300 403-1, clause 5.6.5	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/TP
ISDN selection	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call reestablishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The called user must be a basic ac	cess.

UI xxSNMCID01	ISDN ref. to:	PLMN ref. to:	
	EN 300 130-1	EN 300 646-1, clause 6.1.1.7	
TSSreference:	UMTS-ISDN/Supplementa	UMTS-ISDN/Supplementary services/MCID	
ISDN selection	MCID	MCID	
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is		
	registered.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UIxxSNMCID02	ISDN ref. to:	PLMN ref. to:
	EN 300 130-1	EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-ISDN/Supplementary services/MCID.	
ISDN selection	MCID	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state,	
	the call is registered.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIxxSNMPTY0101	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 122 084
		TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_service	ces/MPTY/TC820301
ISDN selection	MTPY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C.	
	User A is terminating the entire multi party call.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The ISDN user B is in network N2.	The PLMN user A and PLMN user C are in network
	N1. User A calls user B. After call e	establishment user A initiates call hold. Then user A
	calls user C. After call establishmen	nt user A invokes the MPTY service by sending a
		containing the BuildMTPY request which indicates to
	the network that the mobile subscri	ber wishes all his calls to be connected together in a
	multi party call. User A is terminatir	ng the entire multi party call.

UI xxSNMPTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 122 084
	·	TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_serv	ices/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	N1. User A calls user B. After call calls user C. After call establishme FACILITY message to the network the network that the mobile subsc	The PLMN user A and PLMN user C are in network establishment user A initiates call hold. Then user A ent user A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to riber wishes all his calls to be connected together in a rocedure to user B is performed from user A.

UIxxSNMPTY03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2	TS 122 084	
		TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary servi	ces/MPTY	
ISDN selection criteria:	MPTY	MPTY	
PLMN selection criteria:			
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		

UIxxSNMPTY04	ISDN ref. to: PLMN ref. to:
	EN 300 403-1, clause 5.2 TS 122 084,
	TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY
ISDN selection	MPTY
criteria:	
PLMN selection	
criteria:	
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.
ISDN Parameter values:	BC=I_BC_ID,
PLMN parameter values:	GSM-BC=G_BC_ID
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.

UI xxSNMPTY05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 122 084
		TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_service	ces/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2.	The PLMN user A and PLMN user C are in network
	N1.Ensure that the user A can esta	ablish a MPTY call to user B and user C and separate
	the remote user B from the multi-pa	arty call which is placed on hold (A-B ACTIVE/MPTY
	HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call estab	olishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a	
	FACILITY message to the network	containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a	
	multi party call.	
	To separate the remote user B fron	n the MPTY, the served mobile will send a SplitMPTY
	message to the network. The network	ork will send normal CallOnHold notifications to the
	remote parties on hold in the MPT	call.

UI xxSNMPTY06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 5.2 TS 122 084	
	TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network	
	N1.Ensure that the user A can establish a MPTY call to user B and user C and separate	
	the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY	
	HELD). User B is clearing the A-B Active call. After the completion of the Retrieve	
	function user A terminates the multi-party call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a	
	FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
	User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

UI xxSNMPTY07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 5.2	TS 122 084
	,	TS 123 084
TSSreference:	UMTS-ISDN/Supplementary service	es/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection criteria:		
Test purpose:	N1.Ensure that the user A can esta the remote user B from the multi-pa	The PLMN user A and PLMN user C are in network blish a MPTY call to user B and user C and separate arty call which is placed on hold (A-B ACTIVE/MPTY Y held call. User B is clearing the A-B Active call.
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSMñBC=G_BC_ID	
Comments:	user C. After call establishment user FACILITY message to the network the network that the mobile subscribulti party call. To separate the remote user B from message to the network. The network remote parties on hold in the MPTY	dishment user A initiates call hold. Then user A calls or A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to be wishes all his calls to be connected together in a note that the MPTY, the served mobile will send a SplitMPTY ork will send normal CallOnHold notifications to the call. Justice B is clearing the A-B Active call.

UI xxSNMPTY08	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 5.2 TS 122 084	
	TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary services/MPTY	
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
ISDN Parameter values:	BC=I_BC_ID	
	COM DO O DO ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the	
	remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

UI xxSNMPTY09	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clause 5.2	TS 122 084	
	,	TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary service	ces/MPTY	
ISDN selection	MPTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

UIxxSNMPTY10	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clause 5.2 TS 122 084	
	TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary services/MPTY	
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
	Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function	
ISDN Parameter	concerning the A-B Active-Held call, user A is clearing the A-B connection.	
values:	BC=I_BC_ID,	
	COM PO O PO ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSNMPTY11	ISDN ref. to: PLMN ref. to:	
UIXXSINIVIF I T I I		
	EN 300 403-1, clause 5.2 TS 122 084	
	TS 123 084	
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network	
	N1.	
	Ensure that the user A can establish a MPTY call to user B and user C and separate the	
	remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY	
	HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD- REQUEST	
	connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is	
	an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY	
	ACTIVE).	
	User B is terminating the multi party call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call, user A is clearing the A-B connection.	
	Ensure that the user A can establish a MPTY call to user B and user C and separate the	
	remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY	
	HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST	
	connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is	
	an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY	
	ACTIVE).	
	User C is terminating the multi party call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call, user B is clearing the A-B connection.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		
J		

UIxxSNCD01	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation".	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD.	
	The PLMN user A and PLMN user	C are in network N1.
	Ensure that when user A calls user B, the local exchange of user B goes to the Call	
	Received call state N07. Then user B sends a FACILITY message containing a Facility	
	information element coded as CallDeflection invoke component. The network performs	
	the call deflection to user C. Afterwards the network shall release user B with a	
	DISCONNECT message with caus	e #31 and a facility IE with a CallDeflection return
	result component.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

UI xxSNCD02	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	_	
Comments:		

UIxxSNCD03	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD/TC820503
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSNCD04	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSNCD05	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary service	
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user"
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI_xxSNCD06	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at d	liverted-to user"
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSNCD07	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSNCD08	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary service	ces/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	liverted-to user").
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI xxSNCD09	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user".
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 receives a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UI xxSNCD10	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at d	iverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UIxxSNCD11	ISDN ref. to:	PLMN ref. to:
	EN 300 207	TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary service	
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	retain call until alerting begins at d	liverted-to user".
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

ISDN ref. to:	PLMN ref. to:
EN 300 207	TS 124 008, clause 5.2
UMTS-ISDN/Supplementary_service	ces/CD
CD; Network provider option "serve	ed user call retention on invocation of diversion" is
retain call until alerting begins at d	iverted-to user".
The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
BC=I_BC_ID	-
GSM-BC=G_BC_ID	
	UMTS-ISDN/Supplementary service CD; Network provider option "service" retain call until alerting begins at definition and the service of the

UIxxSNCBS01	ISDN ref. to: PLMN ref. to: TS 123 088	
TSSreference:	UMTS-ISDN/Supplementary services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	Call barring service	
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU xxSNCONF01	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646-1, clause 6.1.1.8
	annex A, figure A.2	
TSSreference:	UMTS-ISDN/Supplementary_service	ces/CONF
ISDN selection criteria:	CONF	
PLMN selection		
criteria:		
Test purpose:		and is provided with CONF. The PLMN user A and
	PLMN user C are in network N2.	
	Ensure that user A calls user B. Us	er B can establish a conference from the Active call
	state to user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After the call establishment	
	[in the (Active, Idle) state] user B se	ends a FACILITY message including a Facility IE
	which shall contain a BeginCONF invoke component indicating the call reference of the	
	call to be added.	
	The network shall respond to user B with a FACILITY message including a Facility IE	
	witch shall contain a BeginCONF re	eturn result component in a Facility IE.

UII xxSNCONF01	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646-1, clause 6.1.1.8
	annex A, figure A.2	
TSSreference:	UMTS-ISDN/Supplementary servi	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2	and is provided with CONF. The PLMN user A . The
	ISDN user C are in network N2 or	N1.
	Ensure that user A calls user B. U	ser B can establish a conference from the Active call
	state to user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After the call establishment	
	[in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added.	
	The network shall respond to user B with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	

UIU_xxSN3PTY01	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14	
TSSreference:	UMTS-ISDN/Supplementary_service	es/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network N2 a		
	The PLMN user A and PLMN user C	C are in the network N1.	
		er B can establish a three-way conversation call with	
		lle connection. After the completion of the Retrieve	
	function, the call clearing procedure	is performed from user B.	
ISDN Parameter	BC=I_BC_ID	BC=I_BC_ID	
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection.		
	User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B sends a FACILITY message for CRx containing a facility IE with a		
	Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established.		
	On receipt of a DISCONNECT message from the user B relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user A the notification "Remote hold".		
	User B sends a RETRIEVE message for CRx. User B shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A.		

UIU xxSN3PTY02	ISDN ref. to:	PLMN ref. to:
_	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary services/3PTY	
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2	and is provided with 3PTY.
	The PLMN user A and PLMN user	C are in the network N1.
	Ensure that user A calls user B. Us	ser B can establish a three-way conversation call with
	user C. User B release the Active-	dle connection. After the completion of the Retrieve
	function, the call clearing procedur	e is performed from user B.
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an	
	Active-Held connection.	
	User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection.	
	When user B sends a FACILITY m	essage for CRx containing a facility IE with a
	Begin3PTY invoke component the	network shall respond with a FACILITY message
		3PTY return result component for CRx. The three-
	way bridge is established.	
	On receipt of a DISCONNECT message from the user B relating to the Active-Held	
	connection (CRx) the network shall clear the call to user A with a DISCONNECT	
	message. After the release of the three-way bridge the call B-C has an Active-Idle	
	connection.	
	The call clearing procedure is performed from user C.	

UII_xxSN3PTY01	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14	
TSSreference:	UMTS-ISDN/Supplementary_servi	ces/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network N2	The ISDN user B is in network N2 and is provided with 3PTY.	
	The PLMN user A is in the network N1.		
	The ISDN user C is in network N1 or N2.		
	Ensure that user A calls user B. User B can establish a three-way conversation call with		
	user C. User B release the Active-Idle connection. After the completion of the Retrieve		
	function, the call clearing procedure is performed from user B.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UII xxSN3PTY02	ISDN ref. to:	PLMN ref. to:
_	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary services/3PTY	
ISDN selection	ЗРТҮ	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY.	
	The PLMN user A and PLMN	
	The ISDN user C are in the network	k N1 or N2.
		er B can establish a three-way conversation call with
		dle connection. After the completion of the Retrieve
	function, the call clearing procedure is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection.	
	User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection.	
	When user B sends a FACILITY message for CRx containing a facility IE with a	
	Begin3PTY invoke component the network shall respond with a FACILITY message	
	containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established.	
	On receipt of a DISCONNECT message from the user B relating to the Active-Held	
	connection (CRx) the network shall clear the call to user A with a DISCONNECT	
		nree-way bridge the call B-C has an Active-Idle
	connection.	
	The call clearing procedure is performed from user C.	

7.3 Test purposes for PSTN to UMTS

7.3.1 Test purposes for PSTN to UMTS, Basic call

7.3.1.1 Successful

Successful	
PSTN	

PUAU01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008	
		ETS 300 604, clause 9.2.2 a, clause 10.2.2	
TSSreference:	PSTN-UMTS/Basic_call/Succ	essful	
PSTN selection	Call establishment to a PLMN	user	
criteria:			
PLMN selection	Multi-numbering Scheme, TS	11	
criteria:	_		
Test purpose:	Ensure that call is delivered to	Ensure that call is delivered to the called PLMN user correctly.	
	Ensure that in the call delivere	Ensure that in the call delivered state the transfer of tone is performed correctly if	
	tones/announcement are app	tones/announcement are applied.	
	Ensure that in the active call state the voice/data transfer is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech	GSM-BC=speech	
values:			
Comments:	The call set-up to the mobile vectored in the VLR	vill contain a GSM BC mapped from the BC/LLC/HLC	

PU AU 02	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.2
		ETS 300 604, clause 9.2.2 b
TSSreference:	PSTN-UMTS/Basic call/Successfu	ıl
PSTN selection criteria:	Call establishment to a PLMN user	
	DOTN Circula reverse aring Cabarra	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly (single-numbering scheme).	
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state	the voice/data transfer is performed correctly.
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PUAU_03	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.2
		ETS 300 604, clause 9.2.2 a, clause 10.2.2
TSSreference:	PSTN-UMTS/Basic_call/Successfu	ıl
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering.	
	Ensure that in the call delivered state the transfer of tone is performed correctly if	
	tones/announcement are applied.	
	Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PUAU_04	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008
		ETS 300 604, clause 9.2.2 a, clause 10.2.2
TSSreference:	PSTN-UMTS/Basic_call/Successfu	1
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called PLMN user clears the call after answering. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PUAU_05	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	PSTN-UMTS/Basic_call/Successfu	I/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that a Facsimile G3 call is performed correctly when the called PLMN user clears the call after answering. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band	
	tone/announcement.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
values:		
Comments:		

PU AU 06	PSTN ref. To:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2	
TSSreference:	PSTN-UMTS/Basic_call/Succ	cessful/Facsimile G3	
PSTN selection			
criteria:			
PLMN selection	PSTN, Single-numbering Sch	ieme	
criteria:			
Test purpose:	the calling user clears the calling user clears the call deliver tones/announcement are app	Ensure that a Facsimile G3 call is performed correctly (single-numbering scheme) when the calling user clears the call after answering Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter			
values:			
PLMN parameter			
values:			
Comments:			

PU HA 01	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.2
		TS 129 007, clause 10.2.2
		TS 127 001, clause B.1.2
TSSreference:	PSTN-UMTS/Basic_call/Successfu	ıl/3,1 kHz audio
PSTN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that the PSTN data call is correctly delivered to the GSM.	
		e that the data transfer with the channel rate set to:
	CHANNEL RATE on the traffic cha	nnels is performed correctly.
PSTN parameter	CHANNEL_RATE	
values:		
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem	
values:	synchronous/asynchron	
	fix network user rate: G_US	ER_RATE
Comments:		

Values for test purposes PUHA01	
VA_01	MODE: synchronous
	CHANNEL_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
VA_02	MODE: synchronous
	CHANNEL_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
VA_03	MODE: synchronous
	CHANNEL RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
VA_04	MODE: synchronous
	CHANNEL_RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s
VA_05	MODE: synchronous
	CHANNEL_RATE: 48.0 kbit/s
	FNU RATE: 48.0 kbit/s
VA_06	MODE: synchronous
	CHANNEL_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
VA_07	MODE: asynchronous
	CHANNEL_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
VA_08	MODE: asynchronous
	CHANNEL_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
VA_09	MODE: asynchronous
	CHANNEL_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
VA_10	MODE: asynchronous
	CHANNEL RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s
VA_11	MODE: asynchronous
	CHANNEL_RATE: 48.0 kbit/s
	FNU_RATE: 48.0 kbit/s

7.3.1.2 Unsuccessful

PSTN UNSUCCESSFUL

PU AU U01	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsucces	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that when the called PLMN	user is busy (UDUB), the calling user receives a busy
	tone.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		ontain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.	
		e, the MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").	

PU AU U02	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the called PLMN	user is busy (NDUB), the calling user receives a busy
	tone.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PUAU_U03	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 129 002, clause 18.2, clause 18.3.2
		TS 124 008, annex H.1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsucces	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent". The calling user receives a announcement that the called number cannot be reached.	
PSTN parameter		
values:		
PLMN parameter values:		
Comments:		

PU AU U04	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when calling to unallocated PLMN number, the calling user receives in-band information that the called number is unallocated	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PU AU U05	PSTN ref. To:	PLMN ref. to :
	EN 300 001	TS 124 008
TSSreference:	PSTN-UMTS/Basic call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user, the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will costored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

PUAU_U06	PSTN ref. To: EN 300 001	PLMN ref. to :
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	ful
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is alerted by not answering before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will constored in the VLR	ntain a GSM BC mapped from the BC/LLC/HLC

PU AU U07	PSTN ref. To:	PLMN ref. to:	
	EN 300 001	TS 124 008, annex H 1.7	
TSSreference:	PSTN-UMTS/Basic_call/Unsucc	cessful	
PSTN selection criteria:	Call establishment to a PLMN u	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Schen	ne	
Test purpose:	Ensure that when the called PLMN user (single-numbering scheme) is busy (UDUB), the calling user receives a free tone followed by a busy tone.		
PSTN parameter values:	•		
PLMN parameter values:			
Comments:		I not contain a GSM BC element. sage, the MS replies immediately with a RELEASE	

PUAU_U08	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user (single-numbering scheme), the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PU AU U09	PSTN ref. To:	PLMN ref. to:. to:
	EN 300 001	
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that when the called PLMN user is alerted (single-numbering scheme) but not answers before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PU AU U10	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccess	sful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that when the called PLMN user is busy (UDUB) after being alerted, the calling user receives a free tone followed by a busy tone	
PSTN parameter		, 1222, 1311
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

7.3.2 Test purposes for PSTN to UMTS, Supplementary_services

Supplementary_services	
PSTN	

PU AUSSCLIP01	PSTN ref. To:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 10.5.4.9
		TS 124 081,
TSSreference:	PSTN-UMTS/Supplementary services/CLIP/TCPU AUSS01	
PSTN selection	Call to a PLMN user	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
Test purpose:	Ensure that the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter		
values:		
PLMN parameter	Calling party number: PI=PA, SI=NP, TON= national/international number NPI=	
values:	ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed tha	t the PSTN subscriber acts like an ISDN-subscriber.

PU AUSSCLIR01	PSTN ref. to:	PLMN ref. to:
	ETS 300 649	TS 124 008, clause 10.5.4.9, clause 10.5.4.10
		TS 124 081, clause 1
		TS 123 081, clause 1
TSSreference:	PSTN-UMTS/Supplementary servi	ices/CLIR/TC510201
PSTN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
Test purpose:	Ensure that the Calling party number information element is delivered to the called user without any digit information.	
PSTN parameter	without any digit information.	
values:		
PLMN parameter	Colling porty number: DL DD SL ND TON unknown NDL unknown	
values:	Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

PUAUSSCUG01	ISDN ref. to: EN 300 138-1, clause 9.2.3 EN 300 138-1 clause 9.2.3 TS 123 085 TS 124 085	
TSSreference:	PSTN-UMTS/Supplementary_services/CUG	
PSTN selection criteria:	CUG	
PLMN selection criteria:	CUG with incoming access "not allowed" .	
Test purpose:	Ensure that when the called user belongs to a CUG with incoming access "not allowed" and the calling user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not member of CUG".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PUP AUSSCFU01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 082, clause 1
		TS 123 082, clause 1
TSSreference:	PSTN-UMTS/Supplementary services/CFU	
PSTN selection	Call to a forwarding subscriber (CF	U)
criteria:		
PLMN selection	CFU	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFU. Ensure that when user A calls user B, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

PUP_AUSSCFB01	PSTN ref. to: EN 300 001	PLMN ref. to: TS 124 082, clause 2
		TS 123 082, clause 2
TSSreference:	PSTN-UMTS/Supplementary_serv	ices/CFB
PSTN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	CFB-UDUB	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-UDUB. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter values:	CFB-UDUB active	
Comments:		

PUPAUSSCFB02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 082, clause 2	
		TS 123 082, clause 2	
TSSreference:	PSTN-UMTS/Supplemen	tary_services/CFB	
PSTN selection	Call to a forwarding subso	criber (CFB)	
criteria:			
PLMN selection	CFB-NDUB. Notification t	o forwarding subscriber =Yes	
criteria:			
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the notification to forwarding subscriber is set to yes.		
	Ensure that when user A calls busy user B, the call is forwarded to user C. User B is notified of call diversion.		
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state the voice/data transfer is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	CFB-NDUB active		
values:			
Comments:			

DLL ALIOCOEDOS	DCTN mof to:	DI MNI ref. to.	
PU_AUSSCFB03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 082, clause 2	
		TS 123 082, clause 2	
TSSreference:	PSTN-UMTS/Supplementary_servi	ices/CFB	
PSTN selection	Call to a forwarding subscriber (CF	B)	
criteria:	,	,	
PLMN selection	CFB-NDUB. Notification to forward	ing subscriber =No	
criteria:			
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the		
	notification to forwarding subscriber is set to no.		
	Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state the voice/data transfer is performed correctly.		
PSTN parameter		·	
values:			
PLMN parameter	CFB-NDUB active		
values:			
Comments:			

PUP AUSSCFNRy0	PSTN ref. to:	PLMN ref. to:	
1	EN 300 001	TS 124 082, clause 3	
		TS 123 082, clause 3	
TSSreference:	PSTN-UMTS/Supplementary_serv	ices	
PSTN selection	Call to a forwarding subscriber (CF	NRy)	
criteria:			
PLMN selection	CFNRy. Notification to forwarding s	subscriber =Yes	
criteria:			
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in network N2 and is provided with CFNRy whereby the notification		
	to forwarding subscriber is set to yes.		
	Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is notified of call diversion.		
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state the voice/data transfer is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

PUP_AUSSCFNRy0	PSTN ref. to:	PLMN ref. to:	
2	EN 300 001	TS 124 082, clause 3	
		TS 123 082, clause 3	
TSSreference:	PSTN-UMTS/Supplementary_servi	ces	
PSTN selection	Call to a forwarding subscriber (CF	NRy)	
criteria:			
PLMN selection	CFNRy. Notification to forwarding s	subscriber = No	
criteria:	-		
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in network N2 and is provided with CFNRy whereby the notification		
	to forwarding subscriber is set to no.		
	Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is not notified of call diversion.		
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state the voice/data transfer is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

PUP_AUSSCFNRc0	PSTN ref. to:	PLMN ref. to:
1	EN 300 001	TS 124 082, clause 4
		TS 123 082, clause 4
TSSreference:	PSTN-UMTS/Supplementary_serv	ices
PSTN selection	Call to a forwarding subscriber (CFNRc)	
criteria:	,	,
PLMN selection	CFNRc	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1.	
	The PLMN user B is in network N2 and is provided with CFNRc.	
	Ensure that when user A calls user B, if detached, the call is forwarded to user C.	
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	CFNRc active	
values:		
Comments:		

NON-SYMMETRICAL TESTS

PU AUSNCBS01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 100 548	
TSSreference:	PSTN-UMTS/Supplementary_se	rvices/Call barring service/TC520101	
PSTN selection			
criteria:			
PLMN selection	The Network B supports BAIC.	The Network B supports BAIC.	
criteria:			
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.		
PSTN parameter			
values:			
PLMN parameter			
values:			
Comments:	NOTE: The cause value with	witch the call shall be rejected is not defined.	

PSTN ref. to:	PLMN ref. to:
EN 300 001	TS 100 548
PSTN-UMTS/Supplementary_servi	ces/Call barring service
The Network B supports barring of	all incoming calls (BAIC) and barring of incoming
calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming	
,	
Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.	
Call establishment is not possible and the network initiate call clearing to the calling user.	
NOTE: The cause value with witch the call shall be rejected is not defined.	
	EN 300 001 PSTN-UMTS/Supplementary_servior The Network B supports barring of calls when roaming outside the hor outside the home PLMN country. Ensure that when the called user a outside the home PLMN country waroaming outside the home PLMN calls will be activated. Call establishment is not possible as

PUG_AUSNMPTY01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_serv	ices/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PUG AUSNMPTY02	PSTN ref. to:	PLMN ref. to:
_	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_servi	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PUG AUSNMPTY03	PSTN ref. to:	PLMN ref. to:
FUG_AUSINIVIFTTUS		
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_serv	ices/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PUG AUSNMPTY04	PSTN ref. to:	PLMN ref. to:
_	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_servi	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

7.4 Test purposes for UMTS-PSTN

7.4.1 Test purposes for UMTS-PSTN, Basic call

7.4.1.1 Successful

Successfu	ıl
Speech	

UP SP 01	PSTN ref. to:	PLMN ref. to:
UPSPUI		
	EN 300 001	TS 124 008, clause 5.2.1.4.1, clause 5.5.1,
		clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	ul .
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 Nn-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		elements are created by the originating exchange ress complete message (ACM) in the ISUP. The table
	1 shows the sending criteria of each	

UP SP 02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	ıl
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

UP SP 03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic call/Successfu	ıl
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

UP SP 04	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic call/Successfu	il	
PSTN selection			
criteria:			
PLMN selection	TS 11	TS 11	
criteria:			
Test purpose:	Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:			

UPSP_05	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 Nn-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:		elements are created by the originating exchange ess complete message (ACM) in the ISUP. The table h value.

Successful 3,1 kHz audio ex PLMN

UPAU01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1.4.1, clause 5.5.1,
		clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/S	uccessful/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 Nn-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
values:		
Comments:	. •	ormation elements are created by the originating exchange the address complete message (ACM) in the ISUP. The table ia of each value.

UP AU 02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN,	voice band data via modem, no LLC
values:		
Comments:		

UP AU 03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic call/Succ	essful/3,1 kHz audio ex PLMN	
PSTN selection			
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	after answer. Ensure that in the call deliver tones/announcement are app	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is	
PSTN parameter			
values:			
PLMN parameter	GSM-BC=3,1 kHz audio ex P	LMN, voice band data via modem, no LLC	
values:			
Comments:			

UPAU_04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Progress indicator information elem description value #1 "call is not end or #8 Nn-band information or appro Ensure that in the call delivered statones/announcement are applied.	be done with LLC. During call establishment a nent shall be returned to the calling user with progress l-to-end ISDN", #2 "destination address is non-ISDN" priate pattern now available". te (N4) the transfer of tone is performed correctly if N10) the data transfer on the traffic channels is
PSTN parameter values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN,	voice band data via modem
values:	LLC=3,1 kHz audio, voice band data via modem	
Comments:	The progress indicator information	elements are created by the originating exchange ess complete message (ACM) in the ISUP. The table

Successful

HSCSD ñ 3,1 kHz

UPHA01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008	
		TS 129 007	
		TS 123 034	
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/HSCSD ñ 3,1 kHz	
PSTN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	HSCSD, 3,1 kHz		
criteria:			
Test purpose:		GSM-BC parameter values: 3,1 kHz audio ex PLMN,	
		ronous/asynchronous mode is set to MODE, fix	
		E, maximum number of traffic channels set to	
	No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set		
	to TCH_FX_X is performed correctly to the PSTN user.		
	In the active call state ensure that the data transfer on the traffic channels is performed		
	correctly.		
PSTN parameter	BC= 3,1 kHz audio, voice band data via modem,		
values:	synchronous/asynchronous mode: MODE		
	user rate: USER RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN,	voice band data via modem,	
values:	synchronous/asynchronous mode: MODE		
	fix network user rate: I		
	maximum number	of traffic channels: No_TCH,	
	air interface user rate:		
	acceptable channe	el coding: TCH_FX_X	
Comments:			

UI HA 02	ISDN ref. to:	PLMN ref. to:
· · · · · · · · · · · · · · · · · · ·	EN 300 403-1	TS 124 008
		TS 129 007
		TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful	/HSCSD ñ 3,1 kHz
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	voice band data via modem, synch	GSM-BC parameter values: 3,1 kHz audio ex PLMN, ronous/asynchronous mode is set to MODE, fix
	No_TCH, wanted air interface user	E, maximum number of traffic channels set to rate set to AIU_RATE, acceptable channel coding set eter values: 3,1 kHz audio, voice band data via
	modem, synchronous/asynchronou	s mode is set to MODE, user rate set to
	USER_RATE is performed correctl	
		he data transfer on the traffic channels is performed
	correctly.	
ISDN parameter	BC= 3,1 kHz audio, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	
	LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE	
	user rate: USER_RATE	onous mode: MODE
PLMN parameter		voice hand data via modem
values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE	
	fix network user rate: I	
	maximum number of traffic channels: No TCH,	
	air interface user rate: All	
	acceptable channel co	_
	LLC= 3,1 kHz audio, voice band	d data via modem,
	synchronous/asynchi	ronous mode: MODE
	user rate: USER_RATE	
Comments:		

Values for test purpose UPHA01 and UPHA_	02
VA_01	MODE: synchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
	No_TCH: 3 AIU_RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_02	MODE: synchronous
	USER RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2
	AIU_RATE: 19.2
VA 00	TCH_FX_X: 9.6
VA_03	MODE: synchronous USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH_FX_X: 9.6
VA_04	MODE: synchronous
	USER_RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s No_TCH: 4
	AIU RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 48.0 kbit/s
	FNU_RATE: 48.0 kbit/s
	No_TCH: 4
	AIU_RATE: 57.6 kbit/s
VA_06	TCH_FX_X: 14.4 MODE: synchronous
VA_00	USER RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
VA 07	TCH_FX_X: 14.4
VA_07	MODE: asynchronous USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 1
	AIU RATE: 14.4
	TCH FX X:14.4
VA_08	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s No_TCH: 4
	AIU RATE: 19,2
	TCH FX X: 4.8
VA_09	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8 TCH_FX_X:14.4
VA_10	MODE: asynchronous
	USER RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
VA 44	TCH FX X:9.6
VA_11	MODE: asynchronous USER RATE: 48.0 kbit/s
	FNU RATE: 48.0 kbit/s
	No TCH: 4
	AIU_RATE: 57.6
	TCH_FX_X: 14.4

Successful

Facsimile group 3

UPFX_01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	II/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	indicator information element shall description value #1 "call is not end or #8 Nn-band information or approached that in the call delivered statones/announcement are applied.	be be returned to the calling user with progress be returned to the calling user with progress deto-end ISDN", #2 "destination address is non-ISDN" opriate pattern now available". ate (N4) the transfer of tone is performed correctly if (N10) the data transfer on the traffic channels is
PSTN parameter values:		
PLMN parameter	GSM-BC = facsimile G3, HLC = Fa	acsimile G2/G3
values:		
Comments:		elements are created by the originating exchange ress complete message (ACM) in the ISUP. The table h value.

UPFX02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic call/Successfu	I/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	GSM-BC = facsimile G3, HLC = Fa	csimile G2/G3
values:		
Comments:		

UP FX 03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	BC = facsimile G3, HLC = Facsimile G2/G3	
values:		
Comments:		

Successful Alternate speech and facsimile group 3

UPAF_01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC= facsimile G3, no	HLC
Comments:		

UPAF_02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2
		TS 129 007, clause 10.2.2
		TS 127 001, annex B.1.10
TSSreference:	UMTS-PSTN/Basic call/Successfu	I/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (performed correctly.	(N10) the voice transfer on the traffic channels is
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC= facsimile G3,	
Comments:		

UPAF_03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2, clause 5.5.1,	
		TS 129 007, clause 10.2.2	
		TS 127 001, annex B.1.10	
TSSreference:	UMTS-PSTN/Basic_call/S	UMTS-PSTN/Basic call/Successful/Alternate speech and facsimile G3	
PSTN selection			
criteria:	TO 64		
PLMN selection criteria:	TS 61		
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 Nn-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:	first CCM DC anasah		
PLMN parameter		first GSM-BC=speech,	
values:	second GSM-BC= facsim		
Comments:		formation elements are created by the originating exchange	
	according to the coding of the address complete message (ACM) in the ISUP. The table		
	1 shows the sending crite	ria ot each value.	

UPAF04	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2, clause 5.5.1	
		TS 129 007, clause 10.2.2	
		TS 127 001, annex B.1.10	
TSSreference:	UMTS-PSTN/Basic call/Successful/Alternate speech and facsimile G3		
PSTN selection			
criteria:			
PLMN selection	TS 61		
criteria:			
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress		
	indicator information element shall	be returned to the calling user with progress	
	description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 Nn-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.		
		(N10) the voice transfer on the traffic channels is	
	performed correctly.		
PSTN parameter			
values:			
PLMN parameter	first GSM-BC=speech,		
values:	second GSM-BC= facsimile G3, HI	_C= Facsimile G2/G3	
Comments:		elements are created by the originating exchange	
	according to the coding of the addr	ess complete message (ACM) in the ISUP. The table	
	1 shows the sending criteria of eac	h value.	

Table 1

← Message sent to the MS	← ACM
Progress indicator	Content
information element	
No.1	Backward call indicators parameter
(Call is not end-to-end ISDN: further progress information	ISDN user part indicator
may be available	0 ISDN user Part
	not used all the way
No. 2	Backward call indicators parameter
(Destination address is non ñISDN	
	ISDN user part indicator
	1 ISDN user Part
	used all the way
	ISDN access indicator
	0 terminating access non-ISDN
No.8	Optional backward call indicator parameter
(In-band information or appropriate pattern now available)	
	In-band information indicator
	1 In-band info.

Successful Emergency Calls

UP EC 01	PSTN ref. to:	PLMN ref. to:		
	EN 300 001	TS 124 008, clause 5.2.1.4.1, clause 7.3.2		
TSSreference:	UMTS-PSTN/Basic_call/Suc	UMTS-PSTN/Basic call/Successful/Emergency Call		
PSTN selection	Emergency service;	Emergency service;		
criteria:				
PLMN selection	TS 12	TS 12		
criteria:				
Test purpose:	correctly. During call establis returned to the calling user w ISDN", #2 "destination address pattern now available". The scontain a HLC=telephony. Ensure that in the call deliver tones/announcement are approximately.	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is		
PSTN parameter				
values:				
PLMN parameter	EMERGENCY SETUP; GSM	EMERGENCY SETUP; GSM-BC=speech		
values:				
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.			

UP EC 02	PSTN ref. to:	PLMN ref. to:	
UFEC02			
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic call/Successful/Emergency Call		
PSTN selection	Emergency service;		
criteria:			
PLMN selection	TS 12		
criteria:			
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech, no HLC		
values:			
Comments:			

UPEC03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=SPEECH,	
values:		
Comments:		

UP EC 04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic call/Successfu	I/Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

UPEC_05	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic call/Successfu	I/Emergency Call	
PSTN selection	Emergency service;		
criteria:			
PLMN selection	TS 12		
criteria:			
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer.		
	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech		
values:			
Comments:	It is an option of the network opera MSs which do not transmit an IMSI	tor whether to accept emergency calls coming from or a TMSI.	

UP EC 06	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successfu	I/Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:	It is an option of the network opera MSs which do not transmit an IMSI	tor whether to accept emergency calls coming from or a TMSI.

UPEC_07	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic_call/Successfu	ıl/Emergency Call	
PSTN selection	Emergency service;		
criteria:			
PLMN selection criteria:	TS 12	TS 12	
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech		
values:	EWENGENOT SETUP, GSW-BC=	EMENGENOT SETOF, GSM-DO=SpeecH	
Comments:		tor whether to accept emergency calls coming from the SIM Card is not recognized by the VLR.	

UPEC08	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic call/Successfu	I/Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and a can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		tor whether to accept emergency calls coming from e SIM Card is not recognized by the VLR.

7.4.1.2 Unsuccessful

UNSUCCESSFUL Speech

UP SP U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	sful
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the	GSM-BC=speech, and can contain a
	HLC=telephony.	

UP SP U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	sful
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a	
	HLC=telephony.	
	NOTE: Some PSTNs provide a	nnouncements instead of sending cause value #1.

UPSP_U03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	sful
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from the called PSTN user, the call is cleared.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the	GSM-BC=speech, and can contain a
	HLC=telephony.	

UP SP U04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	sful
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value cause value #19 "no answer from user (user alerted)".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the HLC=telephony.	GSM-BC=speech, and can contain a

UNSUCCESSFUL 3,1 kHz ex PLMN

UP AU U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	sful/3,1 kHz ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
values:		
Comments:	NOTE: Some PSTNs provide ar	nnouncements instead of sending cause value #1.

UPAU_U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	sful/3,1 kHz ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voice	band data via modem
values:		
Comments:		

UP AU U03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	UMTS-PSTN/Basic call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection			
criteria:			
PLMN selection	Audio	Audio	
criteria:			
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voice	e band data via modem	
values:			
Comments:			

UP AU U04	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2	
TSSreference:	UMTS-PSTN/Basic call/Unsucc	UMTS-PSTN/Basic call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection			
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value cause value #19 "no answer from user (user alerted)".		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voi	ce band data via modem	
values:			
Comments:			

UNSUCCESSFUL UDI

UPDU_U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	sful/UDI
PSTN selection		
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the calling user requests digital connectivity for a call to a PSTN user, the network initiate call clearing to the calling user with cause value #63 "service or option not available, #65 "bearer service not implemented" or #88 "incompatible destination".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

Unsuccessful

Facsimile group 3

UP FX U01	PSTN ref. to:	PLMN ref. to:
UPFX_UU1		
	EN 300 001	TS 124 008, annex H.1.1
TSSreference:	UMTS-PSTN/Basic cal	I/Unsuccessful/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter		<u> </u>
values:		
PLMN parameter	GSM-BC= facsimile G3	
values:		
Comments:	NOTE: Some PSTN:	s provide announcements instead of sending cause value #1.

UP FX U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H.1.6
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	sful/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

UPFX_U03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, annex H.1.8	
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	UMTS-PSTN/Basic call/Unsuccessful/Facsimile G3	
PSTN selection			
criteria:			
PLMN selection	TS 62		
criteria:			
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #19 "no answer from user (user alerted)".		
PSTN parameter			
values:			
PLMN parameter	GSM-BC = facsimile G3		
values:			
Comments:		·	

UP FX U04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H.1.5
TSSreference:	UMTS-PSTN/Basic call/Unsuccessful/Facsimile G3	
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC = facsimile G3	
values:		
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

UP AF U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H.1.1
TSSreference:	UMTS-PSTN/Basic_call/Unsucces	sful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC = Facsimile G3	
Comments:	NOTE: some PSTNs provide anno	uncements instead of sending cause value #1.

UPAF_U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H.1.6
TSSreference:	PSTN-PLMN/Basic_call/Unsuccess	sful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC = Facsimile G3	
Comments:		

UPAF_U03	PSTN ISDN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, annex H.1.7
		TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccess	sful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #19 "no answer from user (user alerted)".	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC = Facsimile G3	
Comments:		

UPAF_U04	PSTN ref. to: EN 300 001 PLMN ref. to:	
	TS 124 008, annex H.1.5	
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC = Facsimile G3	
Comments:		

UNSUCCESSFUL Emergency Calls

UPEC_U01	PSTN ref. to: EN 300 001	PLMN ref. to:
		TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic call/Unsuccessful/Emergency Call	
PSTN selection		
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that when the called PSTN user	
	is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech,	
values:	·	
Comments:		

7.4.2 Test purposes for UMTS-PSTN, Supplementary Services

Supplementary Services

UP xxSSCLIP01	PSTN ref. to:	PLMN ref. to:
UPXXSSCLIPUI		
	EN 300 001	TS 124 008, clause 9.3.23.2,
	ETS 300 648	TS 123 081, clause 1
	EN 300 659	TS 124 081, clause 1
TSSreference:	UMTS-PSTN/Supplementary_servi	ces/CLIP
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the	
	Calling party number is correctly delivered to the called (served) user.	
PSTN parameter	Calling Line Identity parameter	
values:		
PLMN parameter	GSM-BC= G BC ID, Calling party subaddress	
values:		
Comments:		

UPxxSSCLIP02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 9.3.23.2
	ETS 300 648	TS 123 081, clause 1,
	EN 300 659	TS 124 081, clause 1
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/CLIP
PSTN selection	The called user is provided with Cl	_IP
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PSTN parameter	Calling Line Identity parameter	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UP xxSSCLIR01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 9.3.23.2
	ETS 300 648	TS 123 081, clause 2
	EN 300 659-1	TS 124 081, clause 2
TSSreference:	UMTS-PSTN/Supplementary servi	ices/CLIR
PSTN selection	The called user is provided with CL	JP
criteria:		
PLMN selection	CLIR	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID Calling party subaddress	
values:		
Comments:		

UPxxSSCLIR02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 124 008, clause 9.3.23.2
	ETS 300 648	TS 123 081, clause 2
	EN 300 659-1	TS 124 081, clause 2
TSSreference:	UMTS-PSTN/Supplementary servi	ices/CLIR
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

UP xxSSCOLR01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 124 008, clause 9.3.5.2	
	ETS 300 648	TS 123 081, clause 3	
	EN 300 659-1	TS 124 081, clause 3	
TSSreference:	UMTS-PSTN/Supplementary_serv	vices/COLR	
PSTN selection	COLR		
criteria:			
PLMN selection	The calling user is provided with C	COLP	
criteria:			
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. The Connected number information element is network provided and delivered to the calling user without any digit information. If the PSTN does not support this service, the presentation indicator shall indicate "number not available due to interworking".		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown.		
Comments:			

UPxxSSCUG01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 123 085
	ETS 300 648	TS 124 085
	EN 300 659-1	
TSSreference:	UMTS-PSTN/Supplementary servi	ces/CUG
PSTN selection	The called user is not member of (CUG.
criteria:		
PLMN selection	The calling user belongs to a CUG	with outgoing access "allowed".
criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed and the called user is not a CUG subscriber, the call establishment is possible.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G BC ID CUG default request	
values:		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP xxSSCUG02	PSTN ref. to:	PLMN ref. to:
		TS 123 085
		TS 124 085
TSSreference:	UMTS-PSTN/Supplementa	ary_services/CUG
PSTN selection	The called user is not mem	nber of CUG.
criteria:		
PLMN selection	The calling user belong to	a CUG with outgoing access "not allowed".
criteria:		
Test purpose:	Ensure that when the calling user belong to CUG with outgoing access "not allowed" and the called user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID CUG default request	
values:		
Comments:		fications of the PSTN supplementary services are network
	operator specific. It is assu	med that the PSTN subscriber acts like an ISDN-subscriber.

UP xxSSCFU01	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 085 clause 1
		TS 124 085 clause 1
TSSreference:	UMTS-PSTN/Supplementary	services/CFU
PSTN selection		nd is provided with CFU("calling user is notified of call
criteria:	diversion" = Yes, with diverted	-to number, "diverting number is released to the diverted-
	to user "= Yes).	
PLMN selection	Call to a forwarding subscriber	(CFU)
criteria:	-	
Test purpose:	Ensure that when user A calls are Notified of call diversion.	user B, the call is forwarded to user C, user A and user C
PSTN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		tions of the PSTN supplementary services are network that the PSTN subscriber acts like an ISDN-subscriber.

UPxxSSCFU02	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 082 clause 1
		TS 124 082 clause 1
TSSreference:	UMTS-PSTN/Supplementary_se	ervices/CFU
PSTN selection	The user B is in network N2 and	is provided with CFU("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to	number, "diverting number is released to the diverted-
	to User" = No).	
PLMN selection	Call to a forwarding subscriber (CFU)
criteria:	- ,	·
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C	
	are Notified of call diversion.	
PSTN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specification	ns of the PSTN supplementary services are network
	operator specific. It is assumed t	hat the PSTN subscriber acts like an ISDN-subscriber.

UPxxSSCFB01	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 082 clause 2
		TS 124 082 clause 2
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/CFB
PSTN selection		provided with CFB ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-
	to user "= Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C, user A and
	user C are notified of call diversion	
PSTN parameter	CFB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specifications	of the PSTN supplementary services are network
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

UPxxSSCFB02	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 082 clause 2
		TS 124 082 clause 2
TSSreference:	UMTS-PSTN/Supplementary_ser	vices/CFB
PSTN selection		s provided with CFB ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to	number, "diverting number is released to the diverted-
	to User" = No).	
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and	
	user C are notified of call diversio	n.
PSTN parameter	CFB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		s of the PSTN supplementary services are network
	operator specific. It is assumed th	at the PSTN subscriber acts like an ISDN-subscriber.

UP xxSSCFNR	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 082 clause 3
		TS 124 082 clause 3
TSSreference:	UMTS-PSTN/Supplementary_ser	vices/CFNR
PSTN selection	The user B is in network N2 and is	s provided with CFNR ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to to user "= Yes).	number, "diverting number is released to the diverted-
PLMN selection	Call to a forwarding subscriber (C	END)
criteria:	Call to a follwarding subscriber (C	rivn)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C,	
	user A and user C are notified of	call diversion.
PSTN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	The stage 1, 2 and 3 specification	s of the PSTN supplementary services are network
	operator specific. It is assumed th	at the PSTN subscriber acts like an ISDN-subscriber.

UPxxSSCFNR02	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 123 082 clause 3
		TS 124 082 clause 3
TSSreference:	UMTS-PSTN/Supplementary_servi	ices/CFNR
PSTN selection		provided with CFNR ("calling user is notified of call
criteria:	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-
	to User" = No).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user	
	A and user C are notified of call div	rersion.
PSTN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specifications	of the PSTN supplementary services are network
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

UP xxSSCCBS01	PSTN ref. to:	PLMN ref. to:	
UPxxSSCCBS01	EN 300 001		
	EN 300 001	EN 300 646, clause 6.1.1.14	
T00=-f=	TS 124 093		
TSSreference:	GSM-PSTN/Supplementary_service		
ISDN selection	DLE is supporting the CCBS supple	ementary service	
criteria:	0.5		
PLMN selection criteria:	OLE is supporting the CCBS suppl	ementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a s	successful CCBS call setup.	
ISDN parameter	BC=I BC ID	·	
values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network.		
	and Low Level Compatibility (LLC) The MS A sends a CC ESTABLISH Once the network has received the shall send a RECALL message to I the subscriber. The subscriber A accepting the CC SETUP message. MSC A shall maintain the RR conn	clude the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. The message is the network has received the CC ESTABLISHMENT CONFIRMED message it wall send a RECALL message to MS A, which contains information to be presented to be subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the ETUP message. The subscriber A scall is possible. Once the SETUP message is received, the acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	

MS	SETUP
	(Bearer capability, CC capabilities, Called party BCD number)
	DISCONNECT
	((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)
	RELEASE
	Facility (Invoke = AccessRegisterCCEntry)
_	RELEASE COMPLETE
<-	Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)
<-	NETWORK RR CONNECTION ESTABLISHED>
<	CM SERVICE PROMPT
	START CC>
	CC ESTABLISHMENT
<	(Setup container)
	CC ESTABLISHMENT CONFIRMED
	(BC"(s)),
_	RECALL
•	lity (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode, Alerting Pattern))
	SETUP

UP xxSSCCBS02	PSTN ref. to:	PLMN ref. to:
01	EN 300 001	EN 300 646, clause 6.1.1.14
	214 000 001	TS 124 093
TSSreference:	GSM-PSTN/Supplementary services/CCBS	
ISDN selection	DLE is supporting the CCBS supplementary service	
criteria:	DLE is supporting the CCD3 suppl	ementary service
PLMN selection	OLE is supporting the CCBS supp	Inmentany convice MS A is idla
criteria:	OLE is supporting the CCBS supp	lefficially service. INS A is luie.
Test purpose:	Ensure that MS A can establish a	successful CCBS call setup
ISDN parameter	BC=I BC ID	successful Cope sun cotup.
values:	B0=1_B0_1B	
PLMN parameter	GSM-BC=G BC ID	
values:	GSM-LLC=G LLC ID	
varaco.	GSM-HLC=G HLC ID	
		Compatibility (HLC) and Low Level Compatibility
	(LLC) information within the Setup	
	G BC ID CONT	container.
	G LLC ID CONT	
	G HLC ID CONT	
		Compatibility (HLC) and Low Level Compatibility
		STABLISHMENT CONFIRMED message
	G BC ID CC E C	TINDEIGHWEITH GOITH IT IWED Message
	G LLC ID CC E C	
	G HLC ID CC E C	
Comments:		Indication call state N12 (sending a DISCONNECT
Gommon.	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=	
	CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
		OMPLETE message containing a Facility information
		urn result component including the CCBS Index and
		ressOfB and the BasicServiceCode.
	When destination B becomes free the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	g
		Capability (BC), High Level Compatibility (HLC) and
		rmation within the Setup container.
		HMENT CONFIRMED message to the network.
		e CC ESTABLISHMENT CONFIRMED message it
		MS A, which contains information to be presented to
	the subscriber.	,
		CBS recall, the MS A shall establish a new call with the
	SETUP message.	,
		nection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	
L	motivo in the vocation of the later in the interest in the int	

Values for test purpose Gl xxSSCCBS02	
VA_01	GSM-BC=Speech
	G BC ID CONT = speech
	G BC ID CC E C = speech
	G HLC ID CC E C= telephony
VA_02	GSM-BC=Speech
	GSM-HLC= telephony
	G_BC_ID_CONT = speech
	G_HLC_ID_CONT= telephony
	G_BC_ID_CC_E_C = speech
	G_LLC_ID_CC_E_C = 3,1 kHz audio
	G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN
	G_BC_ID_CONT = 3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3
	G_BC_ID_CONT = facsimile G3
	G_BC_ID_CC_E_C = facsimile G3
	G HLC ID CC E C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3
	G_HLC = Facsimile G2/G3
	G_BC_ID_CONT = facsimile G3
	G_HLC_ID_CC_E_C = Facsimile G2/G3
	G_BC_ID_CC_E_C = facsimile G3

UP xxSSCCBS03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		·
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:		oceeding call state (the CCBS Recall message was
		was sent), and when network B has responded to
	the call with a ALERTING message	
		nessage. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=	
		_EASE message with a FACILITY information
	element indicating CCBSRequest i	nvoke component including the
	AccessRegisterCCEntry,	
	The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	include the Setup container.	ESTABLISHMENT message to MS A which shall
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
		CC ESTABLISHMENT CONFIRMED message it
	shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

UP xxSSCCBS04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	
criteria:		,
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that the MS A in the call pro	oceeding call state (the CCBS Recall was is received
	and the CCBS Call Set-up was ser	
	when user B has answered the cal	(network has responded to the call with a ANM
	message)	
		message. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		Indication call state N12 (sending a DISCONNECT
		c field indicating CCBS possible, allowed actions=
		LEASE message with a FACILITY information
	element indicating CCBSRequest i	nvoke component including the
	AccessRegisterCCEntry,	
	The network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination B becomes free the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)	
	and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
		CC ESTABLISHMENT CONFIRMED message it
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the	
	SETUP message.	Tecali, the IVIS A Shall establish a new Call With the
		ection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	possible. Office the OLTOT Thessage is received, the
		call with a CONNECT message the MS A receives
	an CONNECT message. Normal ca	
	Tan Contract message. Normal Co	an nanamy continues.

UP xxSSCCBS05	PSTN ref. to:	PLMN ref. to:	
		EN 300 646, clause 6.1.1.14	
TSSreference:	GSM-PSTN/Supplementary_service	ces/CCBS	
ISDN selection	DLE is supporting the CCBS supp	lementary service	
criteria:		·	
PLMN selection	OLE is supporting the CCBS supp	OLE is supporting the CCBS supplementary service. MS A is not idle.	
criteria:		·	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the		
	CCBS Recall and release the existing call.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	_		
Comments:			

UP xxSSCCBS06	PSTN ref. to:	MN ref. to:
	EN	300 646, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary services/0	CCBS
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplement	ntary service. MS A is not idle.
Test purpose:	If a CCBS Recall is offered to MS A an CCBS Recall and put the existing call of	d MS A is not idle, subscriber A should accept the on hold.
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UPxxSSCCBS07	PSTN ref. to:	PLMN ref. to:
		EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.3
TSSreference:	GSM-PSTN/Supplementary_service	es/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state).	
ISDN parameter	The user can deactivate a specific CCBS request.	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

UPxxSSCCBS08	PSTN ref. to:	PLMN ref. to:
		EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.4
TSSreference:	GSM-PSTN/Supplementary_service	es/CCBS
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state)	
	The user can deactivate outstandir	ng CCBS requests
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UPxxSSCCBS09	PSTN ref. to:	PLMN ref. to:
		EN 300 646, clause 6.1.1.14
		TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_service	es/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:		does not accept CCBS activation, the MS shall send
	_	e network shall stop T1 and continue normal call
	clearing.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	When CCBS is allowed the network CCBS Request.	k shall give subscriber A the option of activating a
	The network shall send a DISCON	NECT message to MS A (cause #17 (User Busy) or
	cause #34 (no circuit/channel avail	able)) with diagnostic field indicating CCBS is
		ating CCBS is Possible. The network starts the
	retention timer T1 when it sends th	
	If the subscriber A does not accept CCBS activation, the MS shall send normal	
		ork shall stop T1 and continue normal call clearing. If
	•	LEASE message is received from the MS, the
	network shall continue normal call	clearing.

NON-SYMMETRICAL TESTS

UP xxSNMCID01	PSTN ref. to:	PLMN ref. to:
	network operator specific	EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/MCID
PSTN selection	The called (served) user is provide	d with MCID
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

UP xxSNMCID02	PSTN ref. to:	PLMN ref. to:
	network operator specific	EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-PSTN/Supplementary_servi	ces/MCID
PSTN selection	The called (served) user is provide	d with MCID
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state,	
	the call is registered.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		of the PSTN supplementary services are network
	operator specific. It is assumed tha	t the PSTN subscriber acts like an ISDN-subscriber.

UPxxSNMPTY01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_servi	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C. User A is	
	terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	user C. After call establishment use FACILITY message to the network	olishment user A initiates call hold. Then user A calls er A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to ber wishes all his calls to be connected together in a the entire multi party call.

UPxxSNMPTY02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_serv	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network
	N1.	
	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:	user C. After call establishment use FACILITY message to the network the network that the mobile subscri	olishment user A initiates call hold. Then user A calls er A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to ber wishes all his calls to be connected together in a ocedure to user B is performed from user A.

UPxxSNMPTY03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 122 084	
		TS 123 084	
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:		The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network	
	N1.	I MDTV III D	
	Ensure that the user A can establish a MPTY call to user B and user C.		
	Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:	user C. After call establishment use FACILITY message to the network	olishment user A initiates call hold. Then user A calls er A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to iber wishes all his calls to be connected together in a	

UPxxSNMPTY04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/MPTY
PSTN selection		
criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

PSTN ref. to:	PLMN ref. to:
EN 300 001	TS 122 084
	TS 123 084
UMTS-PSTN/Supplementary servi	ces/MPTY
MPTY	
The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network
N1.	
Ensure that the user A can establis	h a MPTY call to user B and user C and separate the
remote user B from the multi-party	call which is placed on hold (A-B ACTIVE/MPTY
HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
GSM-BC=G BC ID	
User A calls user B. After call estab	olishment user A initiates call hold. Then user A calls
user C. After call establishment use	er A invokes the MPTY service by sending a
FACILITY message to the network	containing the BuildMTPY request which indicates to
the network that the mobile subscri	ber wishes all his calls to be connected together in a
multi party call.	
To separate the remote user B from	n the MPTY, the served mobile will send a SplitMPTY
message to the network. The network	ork will send normal CallOnHold notifications to the
remote parties on hold in the MPT\	call.
	UMTS-PSTN/Supplementary_servi MPTY The PSTN User B is in network N2 N1. Ensure that the user A can establis remote user B from the multi-party HELD). User A is terminates the help user C. After call establishment user C. After call establishment user FACILITY message to the network the network that the mobile subscrimulti party call. To separate the remote user B from

UP xxSNMPTY06	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 122 084	
		TS 123 084	
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/MPTY	
PSTN selection			
criteria:			
PLMN selection criteria:	MPTY	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.		
	Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.		
PSTN parameter	/ titel the completion of the Helicak	After the completion of the Hetheve function user A terminates the multi-party call.	
values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.		

UPxxSNMPTY07	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 122 084	
		TS 123 084	
TSSreference:	UMTS-PSTN/Supplementary_servi	ces/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.		
	Ensure that the user A can establis	h a MPTY call to user B and user C and separate the	
		call which is placed on hold (A-B ACTIVE/MPTY	
	HELD). User C is clearing the MPT	HELD). User C is clearing the MPTY held call.	
	User B is clearing the A-B Active call.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After call estab	olishment user A initiates call hold. Then user A calls	
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY		
	message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.		
	User C is clearing the MPTY held call. User B is clearing the A-B Active call.		

UP xxSNMPTY08	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary servi	ces/MPTY
PSTN selection	· · · · · · · · · · · · · · · · · · ·	
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network
	N1.	
	Ensure that the user A can establis	h a MPTY call to user B and user C and separate the
		call which is placed on hold (A-B ACTIVE/MPTY
		service and join the single active call and the held
	MPTY together. User A is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		olishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a	
	FACILITY message to the network containing the BuildMTPY request which indicates to	
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY	
	message to the network. The network will send normal CallOnHold notifications to the	
	remote parties on hold in the MPTY call.	
		by sending a FACILITY message to the network
	containing the BuildMTPY request which indicates to the network that the mobile	
	subscriber wishes to join the single active call and the held MPTY together in a multi	
	party call. User A is terminating the	entire multi party call.

UP xxSNMPTY09	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_servi	ices/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
	Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE).	
	User A is terminating the multi part	y call. User B is clearing the Active-Held call.
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UP xxSNMPTY	PSTN ref. to:	PLMN ref. to:
10	EN 300 001	TS 122 084
		TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_servi	ices/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PSTN parameter		_
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

UP xxSNMPTY	PSTN ref. to:	PLMN ref. to:	
11	EN 300 001	TS 122 084	
		TS 123 084	
TSSreference:	UMTS-PSTN/Supplementary_serv	ices/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.		
PSTN parameter	_	-	
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

UP xxSNCBS01	PSTN ref. to:	PLMN ref. to:	
		TS 123 088	
TSSreference:	UMTS-PSTN/Supplementary_servi	UMTS-PSTN/Supplementary services/Call barring service	
PSTN selection criteria:			
PLMN selection criteria:	Barring of Outgoing international Calls		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

7.5 Test purposes for GSM-UMTS

7.5.1 Test purposes for GSM-UMTS, Basic call

In the following GSM-UMTS Tests are used two configurations.

At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.

At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.5.1.1 Successful

Successful Speech

GUSP01	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, no HLC	
values orign.:		
PLMN parameter	GSM-BC=speech, no HLC	
values term.:		
Comments:		

GUSP02	PLMN ref. to:	
	TS 124 008, clause 5.2.1	
	TS 129 007, clause 10.2.1	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

GUSP03	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	GSM-UMTS/Basic call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, HLC=telephony	
values orign.:		
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

GU SP 04	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2	
	TS 122 003, clause 6	
	TS 127 001, annex B.2.8	
TSSreference:	GSM-UMTS/Basic call/Successful/	Speech/
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter	GSM-BC=speech, HLC=telephony	
values term.:	Som Bo operation, Tibo-tolophority	
Comments:		

Successful

3,1 kHz audio, ex PLMN

Ta		
GUAU01	PLMN ref. to:	
	TS 124 008, clause 5.2,	
	clause 5.4	
	TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria orign.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values orign.:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values term.:		
Comments:		

GUAU_02	PLMN ref. to:	
	TS 124 008, clause 5.2.1,	
	clause 5.4	
	TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria orign.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values orign.:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values term.:		
Comments:		

GU AU 03	PLMN ref. to:	
	TS 124 008, clause 5.2.1	
	TS 129 007, clause 10.2	
	TS 127 001, annex B.1.2	
TSSreference:	GSM-UMTS/Basic call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria act:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem,	
values orign.:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem,	
values term.:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
Comments:		

GU AU 04	PLMN ref. to:		
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2, B.2.2		
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio ex PLMN		
PLMN selection	Audio		
criteria orign.:			
PLMN selection	Audio		
criteria term.:			
Test purpose:	Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is		
	correctly mapped and the LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly delivered to the called user.		
	In the active call state (N10) ensure that the data transfer on the traffic channels is		
	performed correctly.		
	The call clearing procedure is performed from the called user.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if		
	tones/announcement are applied.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC = 3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
DI MAI	user rate: USER_RATE		
PLMN parameter	GSM-BC = 3,1kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
Comments:	user rate: USER_RATE		
Comments.			

Values for test purposes GUAU_03; 0	GUAU04;
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

Successful	
UDI	

GUUD01	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	GSM-UMTS/Basic_call/Successful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
values orign.:	
PLMN parameter	GSM-BC = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30
values term.:	
Comments:	

GUUD02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	GSM-UMTS/Basic_call/Successful/UDI
PLMN selection criteria orign.:	UDI
PLMN selection criteria term.:	UDI
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30
Comments:	

GU UD 03	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2
	TS 127 001, annex B.1.2, B 2.2
TSSreference:	GSM-UMTS/Basic call/Successful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
PLMN parameter	Ensure that the GSM-BC =UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the to the called user. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly. GSM-BC = UDI, V.110/X.30,
values orign.:	synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE
PLMN parameter	GSM-BC = UDI, V.110/X.30,
values term.:	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = UDI, V.110/X.30,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
Comments:	

Values for test purpose GI DU 03	
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

Successful Facsimile group 3

GUFX01	PLMN ref. To:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.1.1
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUFX02	PLMN ref. To: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1, B 2.11
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUFX_03	PLMN ref. To: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.11
TSSreference:	GSM-UMTS/Basic call/Successful/Facsimile G3
PLMN selection criteria orign.	TS 62
PLMN selection criteria orign.	TS 62
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
Comments:	

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GUFX04	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.11,
	B.2.11
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

Successful

Alternate speech and facsimile group 3

CLL AE Of	PLMN ref. To:
GUAF01	
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if
	tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.

GUAF02	PLMN ref. To: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

GUAF03	PLMN ref. To:
<u> </u>	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3
Comments:	

GUAF04	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUAF05	PLMN ref. To: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	User A and user B are subscribed to different PLMN's
values term.:	first GSM-BC=speech
	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

GUAF06	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

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GUAF07	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G BC ID
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3
Comments:	

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GUAF08	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUAF_ 09	PLMN ref. To:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GUAF10	PLMN ref. To:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

GUAF11	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN).
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	

GUAF12	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.

GUAF13	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

GUAF14	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
Comments:	

GUAF15	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, no HLC
values orign.:	second speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.
	The MODIFY message in not transmitted over the ISUP.

GUAF16	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	The MODIFY message in not transmitted over the ISUP.

GUAF017	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC = facsimile G3
values term.:	second GSM-BC=speech
Comments:	

GU AF 18	PLMN ref. to:
], 10	TS 124 008, clause 5.2
	TS 129 007, clause 9.2.2
	annex B 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC= Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = Facsimile G3, HLC= Facsimile G2/G3
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.
	The MODIFY message in not transmitted over the ISUP.

GUAF19	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 annex B 10.2.2 TS 127 001, annex B.1.10
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3
values orign.:	second GSM-BC=speech
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC= Facsimile G2/G3
Comments:	The MODIFY message in not transmitted over the ISUP.

	PLMN ref. to:	
GUAF20		
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in	а
criteria term.:	VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
values orign.:	second GSM-BC=speech	
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
values term.:	second GSM-BC=speech	
Comments:		
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Successful

Alternate Speech/Data

GU AD 01	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.6
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria act:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if
	tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR

GUAD02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

GUAD03	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	BS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR

GUAD04	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

GU AD 05	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
PLMN parameter values orign.:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly. first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE user rate: G USER RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
_	user rate: G USER RATE
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GUAD06	PLMN ref. to: TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data
PLMN selection criteria orign.:	BS 61
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	Single numbering scriente, bs or
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element
	The MODIFY message in not transmitted over the ISUP.

GUAD_07	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria:	
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
PLMN parameter	first GSM-BC=speech
values:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G USER RATE
Comments:	

Values for test purposes GUAD	05 to GU	AD	_07
VA_01			Selection criteria: synchronous mode, BS 31
			MODE: synchronous
			G USER RATE: 1,2 kbit/s
VA_02			Selection criteria: synchronous mode, BS 32
			MODE: synchronous
			G USER RATE: 2,4 kbit/s
VA_03			Selection criteria: synchronous mode, BS 33
			MODE: synchronous
			G USER RATE: 4,8 kbit/s
VA_04			Selection criteria: synchronous mode, BS 34
			MODE: synchronous
			G_USER_RATE: 9,6 kbit/s
VA_05			Selection criteria: asynchronous mode, BS 21
			MODE: asynchronous
			G_USER_RATE: 0,3 kbit/s
VA_06			Selection criteria: asynchronous mode, BS 22
			MODE: asynchronous
			G_USER_RATE: 1,2 kbit/s
VA_07			Selection criteria: asynchronous mode, BS 24
			MODE: asynchronous
			G USER RATE: 2,4 kbit/s
VA_08			Selection criteria: asynchronous mode, BS 25
			MODE: asynchronous
			G_USER_RATE: 4,8 kbit/s
VA_09			Selection criteria: asynchronous mode, BS 26
			MODE: asynchronous
			G_USER_RATE: 9,6 kbit/s

GUAD_08	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria orign.:	
PLMN selection	BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are
	correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to
	USER_RATE.
	Ensure that in the active call state (N10) the data transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GUAD09	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria orign.:	
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element
	The MODIFY message in not transmitted over the ISUP.

GU AD 10	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria term.:	
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	First GSM-BC=speech
values orign.:	Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
Comments:	

Values for test purposes GUAD_08 to GUAD_	_10
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
W	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

Successful

Speech followed by data

GU FD 01	PLMN ref. to:		
GOFD01			
	TS 124 008, clause 5.2.1		
	TS 129 007, clause 10.2.2		
	TS 127 001, B.1.7		
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	BS 81		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly		
	when the calling user clears after answer.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if		
	tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN,		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN,		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC		
	stored in the VLR.		

GUFD02	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	Single numbering Scheme, BS 81;
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN,
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

GUFD_03	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7
TSSreference:	GSM-UMTS/Basic call/Successful/Speech followed by data/
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	BS 81
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

GUFD04	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data/
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	Single numbering Scheme, BS 81;
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

GU FD 05	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B.1.7, B.2.7.2
TSSreference:	GSM-UMTS/Basic call/Successful/Speech followed by data/
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GUFD06	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B.1.7, B.2.7.2
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE
PLMN parameter values term.:	
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC element.
	The MODIFY message in not transmitted over the ISUP.

GUFD07	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 107 001 capper P. 1. 7. P. 0.7.0
TSSreference:	TS 127 001, annex B.1.7, B.2.7.2 GSM-UMTS/Basic call/Successful/Speech followed by data
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	First GSM-BC=speech
values act:	Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G USER RATE
PLMN parameter	First GSM-BC=speech
values term.:	Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE
Comments:	

Values for test purposes GU_	_FD_	_05 to GU_	_FD_	07
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				G_USER_RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				G USER RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				G_USER_RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				G_USER_RATE: 9,6 kbit/s

GU FD 08	PLMN ref. to:
S. S S S S	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7,
	B.2.7.1,
TSSreference:	GSM-UMTS/Basic call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are
	correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to
	USER_RATE).
	Ensure that in the active call state (N10) the data transfer on the traffic channels is
	performed correctly.
PLMN parameter	First GSM-BC=speech
values orign.:	Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
D. 1111	user rate: USER_RATE
PLMN parameter	First GSM-BC=speech
values term.:	Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE1
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
Comments:	user rate: USER_RATE
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR
	The MODIFY message in not transmitted over the ISUP.
	The Modif i message in not transmitted over the 150F.

GU FD 09	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7,
	B.2.7.1,
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are
	correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-
	up to the MS (single-numbering scheme) will not contain a GSM BC element.
	Ensure that in the active call state (N10) the data transfer on the traffic channels is
DI MAN	performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

GU FD 10	PLMN ref. To:
G0FD10	
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7,
	B.2.7.1,
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
DI MAI	user rate: USER_RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
0	user rate: USER_RATE
Comments:	

Values for test purposes GU_	_FD_	08 to GU	_FD_	_10
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				USER_RATE: 1,2 kbit/s
				G USER RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				USER_RATE: 2,4kbit/s
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				USER_RATE: 4,8 kbit/s
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				USER_RATE: 9,6 kbit/s
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				USER_RATE: 0,3 kbit/s
				G_USER_RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				USER_RATE: 1,2 kbit/s
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				USER_RATE: 2,4kbit/s
				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				USER_RATE: 4,8 kbit/s
				G_USER_RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				USER_RATE: 9,6 kbit/s
				G USER RATE: 9,6 kbit/s

Successful

HSCSD ñ 3,1 kHz

GUHA01	ISDN ref. to:	PLMN ref. To:
	EN 300 403-1	TS 124 008
		TS 129 007
		TS 123 034
TSSreference:	GSM-UMTS/Basic_call/Successful,	/HSCSD ñ 3,1 kHz
PLMN selection	HSCSD, 3,1 kHz	
criteria orign.:		
PLMN selection	HSCSD, 3,1 kHz	
criteria term.		
Test purpose:		parameter values: 3,1 kHz audio ex PLMN, voice band
		nchronous mode is set to MODE, fix network user rate
		per of traffic channels set to No_TCH, wanted air
		E, acceptable channel coding set to TCH_FX_X is
	correctly mapped to the called user	
	Ensure that in the active call state ((N10) the data transfer on the traffic channels is
	performed correctly.	
PLMN parameter	GSM-BC = 3,1kHz audio ex PLMN	
values orign.:	synchronous/asynchronous/	ous mode: MODE
	fix network user rate: FNU_	
	maximum number of traf	ffic channels: No_TCH,
	air interface user rate: AIU_	
	acceptable channel codi	
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN	
values term.:	synchronous/asynchronous mode:	MODE
	fix network user rate: FNU_	RATE
Comments:		

011 114 00	DI MAN and des
GUHA02	PLMN ref. to:
	TS 124 008
	TS 129 007
	TS 123 034
TSSreference:	GSM-UMTS/Basic call/Successful/HSCSD ñ 3,1 kHz
PLMN selection	HSCSD, 3,1 kHz
criteria orign.:	
PLMN selection	HSCSD, 3,1 kHz
criteria term.	
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band
	data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate
	set to FNU RATE, maximum number of traffic channels set to No TCH, wanted air
	interface user rate set to AIU RATE, acceptable channel coding set to TCH FX X and
	the LLC parameter values: 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode is set to MODE, user rate set to USER RATE is
	correctly mapped and delivered to the called user.
	Ensure that in the active call state (N10) the data transfer on the traffic channels is
	performed correctly.
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
values orign.:	synchronous/asynchronous mode: MODE
	fix network user rate: FNU_RATE
	maximum number of traffic channels: No TCH,
	air interface user rate: AIU RATE
	acceptable channel coding: TCH_FX_X
	LLC= 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
values term.:	synchronous/asynchronous mode: MODE
	fix network user rate: FNU RATE
	LLC= 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER RATE
Comments:	
-	

Values for test purpose GU HA 01 and GU HA	02
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 2
	AIU_RATE: 9.6 kbit/s
V4. 00	TCH FX X: 4.8
VA_02	MODE: synchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s No_TCH: 3
	AIU RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_03	MODE: synchronous
	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
	No TCH: 2
	AIU RATE: 19.2
	TCH_FX_X: 9.6
VA_04	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
VA OF	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s
	No TCH: 4
	AIU RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_06	MODE: synchronous
_	USER RATE: 48.0 kbit/s
	FNU RATE: 48.0 kbit/s
	No_TCH: 4
	AIU_RATE: 57.6 kbit/s
	TCH_FX_X: 14.4
VA_07	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent No_TCH: 4
	AIU RATE: 57.6
	TCH FX X: 14.4
VA_08	MODE: asynchronous
1120	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
	TCH_FX_X:14.4
VA_09	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4 AIU_RATE: 19,2
	TCH FX X: 4.8
VA_10	MODE: asynchronous
· · · · · · · · · · · · · · · · · · ·	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No TCH: 2
	AIU RATE: 28.8
	TCH FX X:14.4
VA_11	MODE: asynchronous
	USER_RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6

Values for test purpose GU_	HA01 and GU	HA_	_02
VA_12			MODE: asynchronous
			USER RATE: 48.0 kbit/s
			FNU RATE: 48.0 kbit/s
			No TCH: 4
			AIŪ RATE: 57.6
			TCH FX X: 14.4

Successful HSCSD ñ data

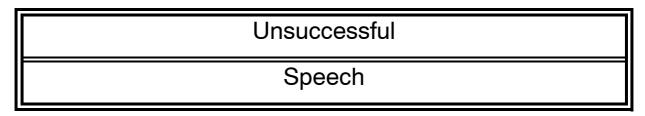
Comments:	_
	fix network user rate: FNU RATE
values term.:	rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE,
PLMN parameter values term.:	GSM-BC= information transfer capability: UDI
DI MNI parameter	acceptable channel coding: TCH_FX_X
	air interface user rate: AIU_RATE
	Maximum number of traffic channels: No_TCH,
	Fix network user rate: FNU_RATE
values orign.:	Synchronous/asynchronous mode: MODE
PLMN parameter	GSM-BC = UDI, V.110/X.30
	mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
	user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly
	to FNU RATE, maximum number of traffic channels set to No TCH, wanted air interface
rest purpose.	V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set
criteria term. Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI,
PLMN selection	HSCSD, UDI
criteria orign.:	
PLMN selection	HSCSD, UDI
TSSreference:	GSM-UMTS/Basic call/Successful/HSCSD ñ UDI
	TS 123 034
	TS 129 007
GG11661	TS 124 008
GU HU 01	PLMN ref. to:

GUHU02 PLMN ref. to: TS 124 008 TS 129 007 TS 123 034 TSSreference: GSM-ISDN/Basic call/Successful/HSCSD ñ UDI HSCSD, UDI riteria orign.: PLMN selection criteria term. Test purpose: Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate for FNU_RATE, maximum number of traffic channels set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is	ate set nterface
TS 129 007 TS 123 034 TSSreference: GSM-ISDN/Basic call/Successful/HSCSD ñ UDI PLMN selection criteria orign.: PLMN selection criteria term. HSCSD, UDI Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
TS 123 034 TSSreference: GSM-ISDN/Basic call/Successful/HSCSD ñ UDI PLMN selection criteria orign.: PLMN selection criteria term. HSCSD, UDI Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
TSSreference: GSM-ISDN/Basic call/Successful/HSCSD ñ UDI PLMN selection criteria orign.: PLMN selection criteria term. HSCSD, UDI Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
PLMN selection criteria orign.: PLMN selection criteria term. Test purpose: Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
PLMN selection criteria term. Test purpose: Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AlU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
Criteria term. Test purpose: Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AlU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
Test purpose: Ensure that the GSM-BC with the parameter values: information transfer capabilit V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air in user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the parameter values: information transfer capability UDI, V.110/X.30,	ate set nterface
correctly mapped and delivered to the called user. In the active call state ensure that the data transfer on the traffic channels are per correctly.	
PLMN parameter GSM-BC = UDI, V.110/X.30,	
values orign.: synchronous/asynchronous mode: MODE	
fix network user rate: FNU RATE	
maximum number of traffic channels: No TCH,	
air interface user rate: AIU RATE	
acceptable channel coding: TCH_FX_X	
LLC= UDI, V.110/X.30,	
synchronous/asynchronous mode: MODE	
user rate: USER_RATE	
PLMN parameter GSM-BC= information transfer capability: UDI	
values term.: rate adaptation: V.110/X.30,	
synchronous/asynchronous mode: MODE,	
fix network user rate: FNU_RATE	
LLC= information transfer capability: UDI	
rate adaptation: V.110/X.30,	
synchronous/asynchronous mode: MODE,	
user rate: USER_RATE	
Comments:	

Values for test purpose GUHU_01 and GUHU	02
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 2
	AIU_RATE: 9.6 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous
VA_02	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 3
	AIU_RATE: 14.4 kbit/s
	TCH_FX_X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2 AIU_RATE: 19.2
	TCH FX X: 9.6
VA_04	MODE: synchronous
	USER RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s
	No TCH: 4
	AIU RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_06	MODE: synchronous
	USER_RATE: 48.0 kbit/s
	FNU_RATE: 48.0 kbit/s
	No_TCH: 4
	AIU_RATE: 57.6 kbit/s TCH_FX_X: 14.4
VA_07	MODE: synchronous
***_**	USER RATE: 56.0 kbit/s
	FNU RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
	TCH FX X: 14.4
VA_08	MODE: asynchronous
	USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
	No TCH: 1
	AIU RATE: 14.4
	TCH_FX_X:14.4
VA_09	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4 AIU RATE: 19,2
	TCH FX X: 4.8
VA_10	MODE: asynchronous
··· · -· ·	USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH FX X:14.4
VA_11	MODE: asynchronous
	USER_RATE: 34.4 kbit/s
	FNU_RATE: 34.4 kbit/s No_TCH: 4
	AIU RATE: 38.8
	TCH FX X:9.6
	1011_177_7.0.0

Values for test purpose GU_	_HU01 and GU_	HU_	_02
VA_12			MODE: asynchronous
			USER_RATE: 48.0 kbit/s
			FNU RATE: 48.0 kbit/s
			No TCH: 4
			AIŪ RATE: 57.6
			TCH FX X: 14.4

7.5.1.2 Unsuccessful



GU SP U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GU SP U02	PLMN ref. to:	
	TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
	COMPLETE indicating cause value #17 "user busy", the network transport the cause	
	value to the calling user.	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter	GSM-BC=speech	
values term.:		
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE	
	COMPLETE (#17 "user busy")	

GU SP U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	

CII CD LI04	DI MAI rof to
GUSP_U04	PLMN ref. to:
	TS 124 008 H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by
	the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates
	call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GUSP_U05	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

GUSP_U06	PLMN ref. to: TS 124 008, clause 5.2.1, annex H.1.9
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

GU SP U07	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.	GSM-BC=speech
Comments:	

GUSP_U08	PLMN ref. to:	
	TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter	GSM-BC=speech	
values term.		
Comments:		

GU SP U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful

3,1 kHz audio ex PLMN

GUAU_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GUAU_U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy")

GUAU_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	

GUAU_U04	PLMN ref. to: TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection criteria orign.:	Audio
PLMN selection criteria term.:	Audio
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GUAU_U05	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

GUAU_U06	PLMN ref. to:
	TS 124 008, clause 5.2.2.3.1,
	annex H.1.9
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected". The network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

U AU U07	PLMN ref. to:
	TS 124 008, annex B.3.2, H 5.3
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

GUAU_U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

GUAU_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful

UDI

GUUD_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	·
PLMN parameter	
values term.:	
Comments:	

GUUD_U02	PLMN ref. to: TS 124 008, annex H.1.6
	,
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	·
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").

GU UD U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	·
PLMN parameter	
values term.:	
Comments:	

GUUD_U04	PLMN ref. to: TS 124 008, annex H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR
	(MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

GUUD_U05	PLMN ref. to: TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria act:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

GU UD U06	PLMN ref. to:
GUUD_U06	
	TS 124 008, clause 5.2.2.3.1,
	annex H.1.9
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	·
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
Comments:	

GUUD_U07	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

CH LID LIGO	PLMN ref. to:
GUUD_U08	PLINN ret. to:
	TS 124 008, annex H.1.5
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	·
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

GUUD_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)

Unsuccessful

Facsimile group 3

GUFX_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GU FX U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")

GUFX_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	

GUFX_U04	PLMN ref. to: TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Facsimile G3
PLMN selection criteria orign.:	TS 62
PLMN selection criteria term.:	TS 62
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18

CIL EV LIGE	PLMN ref. to:
GUFX_U05	
	TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUFX_U06	PLMN ref. to:
	TS 124 008, clause 5.2.1,
	annex H.1.9
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile group 3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUFX_U07	PLMN ref. to: TS 124 008, annex H. 5.3
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GU FX U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

GUFX_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful

Alternate speech and facsimile group 3

GU AF U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GUAF_U02	PLMN ref. to: TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

GUAF_U03	PLMN ref. to: TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection criteria act:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GUAF_U04	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	

GU AF U05	PLMN ref. to:
	TS 124 008 H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR
	(MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GUAF_U06	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
Comments:	

GUAF_U07	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
PLMN parameter	
values orign.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GU AF U08	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

GUAF_U09	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and
	responds with a RELEASE COMPLETE message indicating cause value #21 "call
	rejected", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.

GUAF_U10	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

GU AF U11	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GU AF U12	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing",
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

GUAF_U13	PLMN ref. to:		
_	TS 124 008, annex H.1.5		
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3		
PLMN selection	TS 61		
criteria act:			
PLMN selection	Single numbering Scheme, TS 61		
criteria term.:			
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC = Facsimile G3		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.		

GU AF U14	PLMN ref. to:	
	TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria act:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate	
	call clearing to the calling user with a DISCONNECT message indicating cause value	
	#17 "user busy".	
PLMN parameter	first GSM-BC=speech	
values orign.:	second GSM-BC = Facsimile G3	
PLMN parameter	first GSM-BC=speech	
values term.:	second GSM-BC = Facsimile G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)	

GUAF_U15	PLMN ref. to:		
	TS 124 008, annex H.1.6		
TSSreference:	GSM-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3		
PLMN selection	TS 61		
criteria act:			
PLMN selection	Single numbering Scheme, TS 61		
criteria term.:			
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after		
	being alerted, the network initiate call clearing to the calling user with a DISCONNECT		
	message indicating cause value #17 "user busy".		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC = Facsimile G3		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC		
	element, except in the case when user A and user B are subscribed to the same PLMN		
	and user B is roaming in a VPLMN.		
	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)		

7.5.2 Test purposes for GSM-UMTS Supplementary services

Supplementary Services

OLL	DI MAN and to	
GUxxSSCLIP01	PLMN ref. to:	
	TS 124 008, clause 9.3.23.2,	
	TS 123 081	
	TS 124 081, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CLIP	
PLMN selection	CLIP	
criteria orign.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:	'	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the	
	Calling party number and Calling party subaddress information elements are correctly	
	delivered to the called (served) user.	
PLMN parameter	GSM-BC=I BC ID,	
values term.:	Calling party subaddress	
PLMN parameter	GSM-BC= G BC ID	
values orign.:	Calling party number: PI=PA, TON= national/international number, SI=NP,	
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

GU_xxSSCLIP02	PLMN ref. to:	
	TS 124 008, clause 9.3.23.2	
	TS 123 081	
	TS 124 081, clause 1	
TSSreference:	GSM-UMTS/Supplementary services/CLIP	
PLMN selection	CLIP	
criteria orign.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:	·	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PLMN parameter	GSM-BC= G BC ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID,	
values term.:	Calling party number: PI=PA SI=NP TON= national/international number,	
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

GUxxSSCLIR01	PLMN ref. to:		
	TS 124 008, clause 9.3.23.2		
	TS 123 081, clause 2		
	TS 124 081, clause 2		
TSSreference:	GSM-UMTS/Supplementary services/CLIR		
PLMN selection	CLIR		
criteria orign.:			
PLMN selection	The called user is provided with CLIP		
criteria term.:			
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling		
	party number information element is delivered to the called user without any digit		
	information. The Calling party subaddress shall not be present.		
PLMN parameter	GSM-BC= G_BC_ID, Calling party subaddress		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown		
Comments:			

GUxxSSCLIR02	PLMN ref. to:	
	TS 124 008, clause 9.3.23.2	
	TS 123 081, clause 2	
	TS 124 081, clause 2	
TSSreference:	GSM-UMTS/Supplementary services/CLIR	
PLMN selection	CLIR	
criteria orign.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:	· ·	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
values term.:		
Comments:		

CLL varCCCCL D04	DI MAI ref. 40.		
GUxxSSCOLP01	PLMN ref. to:		
	TS 124 008, clause 9.3.5.2		
	TS 123 081, clause 3		
	TS 124 081, clause 3		
TSSreference:	GSM-UMTS/Supplementary_services/COLP		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the		
	Connected number and Connected subaddress information elements are correctly		
	delivered to the calling (served) user.		
PLMN parameter	GSM-BC= G BC ID;		
values orign.:	Connected number PI=PA, SI=NP, TON= national/international number,		
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)		
	Connected subaddress		
PLMN parameter	Connected subaddress		
values term.:			
Comments:			

GU_xxSSCOLP02	PLMN ref. to:		
	TS 124 008, clause 9.3.5.2		
	TS 123 081, clause 3		
	TS 124 081, clause 3		
TSSreference:	GSM-UMTS/Supplementary services/COLP/GU xxSSCOLP02		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the		
	Connected number information element is network provided and correctly delivered to		
	the calling (served) user.		
PLMN parameter	GSM-BC= G_BC_ID,		
values orign.:	Connected number: SI=NP TON= national/international number, PI=PA,		
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)		
PLMN parameter	GSM-BC= G_BC_ID,		
values term.:			
Comments:			

GU xxSSCOLR01	PLMN ref. to:	
	TS 124 008, clause 9.3.5.2	
	TS 123 081, clause 3	
	TS 124 081, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/COLR/GUxxSSCOLR01	
PLMN selection	The calling user is provided with COLP	
criteria orign.:		
PLMN selection	COLR	
criteria term.:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter	GSM-BC= G_BC_ID,	
values orign.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

GUxxSSCUG01	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary services/CUG		
PLMN selection	CUG supplementary options: not O	A; not ocb; not Pref. CUG	
criteria orign.:			
PLMN selection	Calling user and called user belong	to the same CUG;	
criteria term.:	CUG supplementary options: IA; no	ot ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not		
	allowed, not outgoing calls barred within the CUG and not preferential CUG and the		
	called user belongs to the same CUG with incoming access allowed and not incoming		
	calls barred within the CUG, after the receipt of a SETUP message with the Facility IE		
	which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG		
	(SPC), Suppress OA (SOA)		
	The called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM-BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter	GSM-BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

GUxxSSCUG02	PLMN ref. to:			
	TS 123 085			
	TS 124 085			
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG		
PLMN selection	CUG supplementary options: not O/	A; not ocb; not Pref. CUG		
criteria orign.:				
PLMN selection	Calling user and called are subscribed to the same HPLMN;			
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);			
		Calling user and called user belong to the same CUG;		
	CUG supplementary options: IA; not ICB			
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.			
PLMN parameter	GSM-BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);			
values orign.:	Suppress Pref. CUG (SPC);			
	Suppress OA (SOA)			
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))			
values term.:				
Comments:				

GUxxSSCUG03	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG,	
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN)	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;	
	Calling user and called user belong to the same CUG;	
	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

GUxxSSCUG04	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the sam	e CUG with the following CUG supplementary	
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

GU xxSSCUG05	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG suppler	mentary options: OA ;
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);	
	The called user belongs to the sam	e CUG with the following CUG	supplementary
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	,		
	The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
D1 1411			
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	() / /	
values orign.:		f. CUG (SPC);	Suppress OA (SOA);
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invol	(e =NotifySS(CUG-Index))	
values term.:			
Comments:			

GUxxSSCUG06	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA ;	
criteria orign.:	not ocb; not Pref. CUG,		
	the calling user is roaming in a VPL	.MN (Visited PLMN)	
PLMN selection	Calling user and called are subscrib		
criteria term.:		me VPLMN (Visited PLMN) of the calling user;	
		e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not		
	outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress		
	OA (SOA)	···	
	the called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA);		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invol	(e =NotifySS(CUG-Index))	
values term.:			
Comments:			

GUxxSSCUG07	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

GUxxSSCUG08	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG Index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

	In		
GUxxSSCUG09	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_service	ces/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
	the calling user is roaming in a VPL	_MN (Visited PLMN).	
PLMN selection	Calling user and called are subscrib	bed to the same HPLMN;	
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not		
	outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),		
	The called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM-BC= G BC ID; ForwardCUG	i-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM-BC= G BC ID; Facility (Invol	ke =NotifySS(CUG-Index))	
values term.:			
Comments:			

GUxxSSCUG10	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG
PLMN selection		ne CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. Cl	JG
PLMN selection	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
criteria term.:		
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user bring access allowed and incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), message without a Facility IE which contains an CUG CUG (normal call).
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	\ /'
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

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GUxxSSCUG11	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary	
criteria orign.:	options: OA; not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	The called user belongs to CUG with the following CUG supplementary options: IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU_xxSSCUG12	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	ces/CUG
PLMN selection		ne CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. Cl	
	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	bed to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU xxSSCUG13	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:			

GUxxSSCUG14	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:			

GUxxSSCUG15	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	ces/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GUxxSSCUG16	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user is not a CUG subscriber	
criteria term.:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message (normal call).	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU xxSSCUG17	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPLMN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;	
	The called user is not a CUG subscriber	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GUxxSSCUG18	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services	s/CUG
PLMN selection	The calling user is not member of CU	JG
criteria orign.:	-	
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: not IA;	
criteria term.:	not ICB	
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected".	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

GU xxSSCUG19	PLMN ref. to:		
GOX33COG19			
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary services/CUG		
PLMN selection	The calling user is not member of CUG,		
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN).		
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;		
	The called user belongs to CUG with the following CUG supplementary options: not IA;		
	not ICB		
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected".		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

GUxxSSCUG20	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options:	not
criteria orign.:	OA; not ocb; not Pref. CUG	
PLMN selection	The called user is not member of CUG	
criteria term.:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling with cause value #29 "facility rejected".	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter		
values term.:		
Comments:		

GUxxSSCUG21	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: not
criteria orign.:	OA; not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user is not member of C	UG
Test purpose:	allowed, not outgoing calls barred v called user belongs not to a CUG, Facility IE which shall contain a For CUG Index (CI), Suppress Pref. CU	JG (SPC), Suppress OA (SOA) nd the network initiate call clearing to the calling user
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
PLMN parameter		
values term.:		
Comments:		

GUxxSSCUG22	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; not ocb ; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: not IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

GUxxSSCUG23	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC= G BC ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

GU xxSSCUG24	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG,		
	the calling user is roaming in a VPL	.MN (Visited PLMN).	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:		me VPLMN (Visited PLMN) of the calling user;	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: not IA; ICB;		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed,		
	not outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access is not allowed and incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),		
	call establishment is not possible and the network initiate call clearing to the calling user		
	with cause value #55 "incoming calls barred within CUG".		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter			
values term.:			
Comments:			

GUxxSSCUG25	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	GSM-UMTS/Supplementary_servic	es/CUG	
PLMN selection	CUG supplementary options: not O	A; not OCB; not Pref. CUG	
criteria orign.:			
PLMN selection	Calling user and called user belong	to the same CUG;	
criteria term.:	CUG supplementary options: not IA	A; not ICB.	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CUThe called user receives a SETUP index associated with the invoked C	message with a Facility IE which contains a CUG CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).		
PLMN parameter	GSM-BC= G BC ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:	GOW-DO = G_DO_ID, Facility (IIIVORE = INOLITY SO(COG-IIIdex))		
Comments:			

GU xxSSCUG26	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG
PLMN selection	CUG supplementary options: not C	A; not OCB; not Pref. CUG
criteria orign.:		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	calling user and called user belong	to the same CUG;
	CUG supplementary options: not I	A; not ICB.
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

GUxxSSCUG27	PLMN ref. to:			
	TS 123 085			
	TS 124 085			
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG		
PLMN selection	CUG supplementary options: not C	CUG supplementary options: not OA; not OCB; not Pref. CUG		
criteria orign.:	the calling user is roaming in a VPL	_MN (Visited PLMN).		
PLMN selection	Calling user and called are subscribed to the same HPLMN;			
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;		
	calling user and called user belong	to the same CUG;		
	CUG supplementary options: not I	A; not ICB.		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.			
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).			
values orign.:				
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))			
values term.:	, , , , , , , , , , , , , , , ,			
Comments:				

GUxxSSSUB01	PLMN ref. to:	
	TS 124 008, clause 9.3.23.1.5	
TSSreference:	GSM-UMTS/Supplementary_services/SUB	
PLMN selection	SUB	
criteria orign.:		
PLMN selection	The called (served) user is provided with SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
PLMN parameter	GSM-BC= G BC ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

GUxxSSSUB02	PLMN ref. to: TS 124 008, clause 9.3.23.1.5		
TSSreference:	GSM-UMTS/Supplementary services/SUB		
PLMN selection	SUB		
criteria orign.:			
PLMN selection criteria term.:	SUB		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information		
PLMN parameter	GSM-BC= G_BC_ID, Called party subaddress		
values term.:			
PLMN parameter	GSM-BC= G_BC_ID, Called party subaddress		
values orign.:			
Comments:			

GUxxSSCFU01	PLMN ref. to: TS 124 082, clause 1 TS 123 082, clause 1		
TSSreference:	GSM-UMTS/Supplementary services/CFU		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"		
criteria term.:	= Yes).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFUactive		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

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GUxxSSCFU02	PLMN ref. to:		
	TS 124 082, clause 1		
	TS 123 082, clause 1		
TSSreference:	GSM-UMTS/Supplementary_services/CFU/GUxxSSCFU02		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"		
criteria term.:	= No).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call		
	diversion.		
PLMN parameter	A: ! GSM-BC= G BC ID		
values orign.:			
PLMN parameter	CFUactive		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU xxSSCFB01	PLMN ref. to:		
GOXX33CFB01			
	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	GSM-UMTS/Supplementary_services/CFB		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of		
criteria term.:	call diversion" = Yes; "notification to forwarding subscriber" = Yes).		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User B is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFB-NDUB active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU_xxSSCFB02	PLMN ref. to:		
	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	GSM-UMTS/Supplementary services/CFB		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of		
criteria term.:	call diversion" = No; "notification to forwarding subscriber" = No)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call		
	diversion.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFB-NDUB active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU_xxSSCFNRy01	PLMN ref. to:		
	TS 124 082, clause 3		
	TS 123 082, clause 3		
TSSreference:	GSM-UMTS/Supplementary_service	es	
PLMN selection	The user A and the user C are in ne	twork N1.	
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria term.:	diversion" = Yes, "notification to forwarding subscriber" = Yes).		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User B is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFNRy active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU xxSSCFNRy02	PLMN ref. to:			
XXXXXX 1411,02	TS 124 082, clause 3			
	· · · · · · · · · · · · · · · · · · ·			
	TS 123 082, clause 3			
TSSreference:	GSM-UMTS/Supplementary_servic	GSM-UMTS/Supplementary services/CFNRy		
PLMN selection	The user A and the user C are in ne	etwork N1.		
criteria orign.:				
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call			
criteria term.:	diversion" = No "notification to forwarding subscriber" = No)			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.			
	User A and B are not notified of call diversion.			
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call			
	diversion.			
PLMN parameter	A: ! GSM-BC= G BC ID			
values orign.:				
PLMN parameter	CFNRy active			
values term.:	C: ? GSM-BC= G_BC_ID			
Comments:				

GUxxSSCFNRc01	PLMN ref. to:		
	TS 124 082, clause 3		
	TS 123 082, clause 3		
TSSreference:	GSM-UMTS/Supplementary services/CFNRc		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria term.:	diversion" = Yes).		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFNRc active, the user detached		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

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GUxxSSCFNRc02	PLMN ref. to:		
	TS 124 082, clause 3		
	TS 123 082, clause 3		
TSSreference:	GSM-UMTS/Supplementary services/CFNRc		
PLMN selection	The user A and the user C are in network N1.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria term.:	diversion" = No).		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C.		
	User A is not notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call		
	diversion.		
PLMN parameter	A:!GSM-BC=G BC ID		
values orign.:			
PLMN parameter	CFNRc active, the user is detached		
values term.:	C: ? GSM-BC=G_BC_ID		
Comments:			

GU xxSSHOLD01	PLMN ref. to:			
	TS 123 083, clause 2			
	TS 124 083, clause 2			
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	GSM-UMTS/Supplementary services/HOLD		
PLMN selection	The calling user is provided with HOLD			
criteria orign.:				
PLMN selection	HOLD			
criteria term.:				
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved			
PLMN parameter	GSM-BC=G_BC_ID			
values orign.:				
PLMN parameter	GSM-BC=G_BC_ID			
values term.:				
Comments:				

GUxxSSHOLD02	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	GSM-UMTS/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GU xxSSHOLD03	PLMN ref. to:
GOXX33HOLD03	
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	GSM-UMTS/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of
	call hold and that the call can be released from the called non ñserved user during the
	held state.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

GUxxSSHOLD04	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	GSM-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of
	call hold and the call can be retrieved
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUxxSSHOLD05	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	GSM-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GU xxSSHOLD06	PLMN ref. to:
XX33110LD00	
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	GSM-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of
	call hold and that the call can be released from the calling non ñ served user during the
	held state.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

GU_xxSSCW01	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	GSM-UMTS/Supplementary services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

GU xxSSCW02	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	GSM-UMTS/Supplementary_services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

GU xxSSUUS1i01	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	GSM-UMTS/Supplementary services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

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GUxxSSUUS1i02	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	GSM-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the
	calling user.
PLMN parameter	BC= GSM-BC=G BC ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values term.:	
Comments:	

01100111104:00	DI MAN and the
GUxxSSUUS1i03	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	GSM-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user
	information element included in the CONNECT message sent from the called user to the
	calling user.
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G BC ID UI length = 32
values term.:	
Comments:	

GU xxSSUUS1i04	PLMN ref. to:
GUXXSSUUS1104	
	TS 124 008, clause 10.5.4.25
TSSreference:	GSM-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32
PLMN parameter values term.:	GSM-BC= G_BC_ID, UI length = 32
Comments:	

GU xxSSUUS1i05	PLMN ref. to:	
	TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection	UUS1i	
criteria orign.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE messag sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values term.:		
Comments:		

GU xxSSUUS1i06	PLMN ref. to:	
	TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary services/UUS1i	
PLMN selection	UUS1i	
criteria orign.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded by the network without disrupting normal call handling	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID UI length = 32	
values term.:		
Comments:		

GUxxSSUUS1e01			
TSSreference:	GSM-UMTS/Supplementary services/UUS1e		
PLMN selection	UUS1 e		
criteria orign.:			
PLMN selection	UUS1e		
criteria term.:			
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS not required" The network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

GU xxSSUUS1e02	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-UMTS/Supplementary services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS1e03	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-UMTS/Supplementary services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS1e04	PLMN ref. to:		
	TS 124 087		
	TS 123 087		
TSSreference:	GSM-UMTS/Supplementary services/UUS1e		
PLMN selection	UUS1e		
criteria orign.:			
PLMN selection	UUS1e		
criteria term.:			
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.		
PLMN parameter values orign.:	GSM-BC=G_BC_ID		
PLMN parameter	GSM-BC=G BC ID		
values term.:			
Comments:			

GU xxSSUUS1e05	PLMN ref. to:		
	TS 124 087		
	TS 123 087		
TSSreference:	GSM-UMTS/Supplementary services/UUS1e		
PLMN selection	UUS1e		
criteria orign.:			
PLMN selection	UUS1e		
criteria term.:			
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

DI MAI rof fo.	
PLMN ref. to:	
TS 124 087	
TS 123 087, clause 4.1.2.1,	
GSM-UMTS/Supplementary services/UUS1e	
UUS1e	
UUS1e	
Ensure that after explicit request of UUS1 indicating NUS required", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
GSM-BC=G_BC_ID	
GSM-BC=G_BC_ID	

GUxxSSUUS1e07	PLMN ref. to:	
	TS 124 087	
	TS 123 087, clause 4.1.2.1,	
	5.1.1, annex A	
TSSreference:	GSM-UMTS/Supplementary services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
PLMN parameter	GSM-BC=G BC ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS1e08	PLMN ref. to:		
	TS 124 087		
	TS 123 087		
	ITU-T Recommendation Q.699		
TSSreference:	GSM-UMTS/Supplementary services/UUS1e		
PLMN selection	UUS1e		
criteria orign.:			
PLMN selection	UUS1e		
criteria term.:			
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

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GUxxSSUUS201	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-UMTS/Supplementary services/UUS2	
PLMN selection	UUS 2 e	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", the network can	
	transport USER INFORMATION messages between the ALERTING and the CONNECT	
	messages in each direction.	
PLMN parameter	GSM-BC=G BC ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS202	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection	UUS2 e	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS203	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-UMTS/Supplementary services/UUS2	
PLMN selection	UUS2	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter	GSM-BC=G BC ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSUUS204	PLMN ref. to: TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS2
PLMN selection	UUS 2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS required", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUxxSSUUS205	PLMN ref. to: TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

GUxxSSUUS206	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUxxSSUUS301	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS3
PLMN selection criteria orign.:	UUS1e
PLMN selection criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

GUxxSSUUS302	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating
criteria term.:	"UUS not required", if the network does not receive an explicit acceptance or rejection in
	the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
Test purpose:	
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUxxSSUUS303	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

GUxxSSUUS304	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	GSM-UMTS/Supplementary services/UUS3
PLMN selection criteria orign.:	UUS3
PLMN selection criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS required", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

GUxxSSUUS305	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during the active call state indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUxxSSUUS306	PLMN ref. to: TS 124 087
	TS 123 087
TSSreference:	GSM-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "UUS not required", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GUG xxSSECT01	PLMN ref. to:	
	TS 124 008	
TSSreference:	GSM-ISDN/Supplementary services/ECT	
PLMN selection	ECT	
criteria orign.:		
PLMN selection	ECT	
criteria term.:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state $\tilde{\mathbf{n}}$ Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUGxxSSECT02	PLMN ref. to:	
	TS 124 008	
TSSreference:	GSM-ISDN/Supplementary_services	s/ECT
PLMN selection	ECT	
criteria orign.:		
PLMN selection	ECT	
criteria term.:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call sate and the call A-C is in the Active call state ñ Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUGxxSSECT03	PLMN ref. to:	
	TS 124 008	
TSSreference:	GSM-UMTS/Supplementary services/ECT	
PLMN selection	ECT	
criteria orign.:		
PLMN selection	ECT	
criteria term.:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state n Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUGxxSSECT04	PLMN ref. to:	
	TS 124 008	
TSSreference:	GSM-UMTS/Supplementary_services/ECT	
PLMN selection	ECT	
criteria orign.:		
PLMN selection	ECT	
criteria term.:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call A-B is in the Active call state	
	and the call A-C is in the Call Delivered State-Call Held auxiliary state , a connection between user B and user C is established and the calls	
	A-B and A-C are released. When network C receives a CONNECT message from user	
	C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter	GSM-BC=G BC ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GUxxSSMPTY01	PLMN ref. to:	
	TS 122 084,TS 123 084	
TSSreference:	GSM-UMTS/Supplementary services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C.	
	User A is terminating the entire multi party call.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls	
	user C. After call establishment user A invokes the MPTY service by sending a	
	FACILITY message to the network containing the BuildMTPY request which indicates to	
	the network that the mobile subscriber wishes all his calls to be connected together in a	
	multi party call. User A is terminating the entire multi party call.	

GU xxSSMPTY02	PLMN ref. to:	
40X00Wii 1102	TS 122 084, TS 123 084	
T00		
TSSreference:	GSM-UMTS/Supplementary services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PLMN parameter	GSM-BC= G BC ID	
values orign.:		
PLMN parameter	GSM-BC= G BC ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

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GUxxSSMPTY03	PLMN ref. to:	
	TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C.	
	Afterwards the remote party C disconnects itself from the call. The call clearing	
	procedure to user B is performed from user A.	
PLMN parameter	GSM-BC= G BC ID	
values orign.:		
PLMN parameter	GSM-BC= G BC ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a	
	FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

GUxxSSMPTY04	PLMN ref. to:	
	TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and	
	Separate the remote user B from the multi-party call which is placed on hold	
	(A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GUxxSSMPTY05	PLMN ref. to:	
	TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and	
	Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GUxxSSMPTY06	PLMN ref. to:	
	TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	(
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C Ensure that the user A can establish a MPT private communication between A and B. Th ACTIVE/MPTY HELD). User B is clearing th After the completion of the Retrieve function	Y call to user B and user C and create a ne multi-party call is placed on hold (A-B
PLMN parameter	GSM-BC= G BC ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:	message to the network. The network will se remote parties on hold in the MPTY call.	tes the MPTY service by sending a get the BuildMTPY request which indicates to es all his calls to be connected together in a TY, the served mobile will send a SplitMPTY and normal CallOnHold notifications to the the completion of the Retrieve function with a

GUxxSSMPTY07	PLMN ref. to:	
	TS 122 084	
	TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_service	es/MPTY
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and	d user C are in network N2.
		n a MPTY call to user B and user C and Create a
		and B. The multi-party call is placed on hold (A-B
	ACTIVE/MPTY HELD). User C is cle	
	User B is clearing the A-B Active ca	ll.
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		lishment user A initiates call hold. Then user A calls r A invokes the MPTY service by sending a
	FACILITY message to the network of	containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
	User C is clearing the MPTY held ca	all. User B is clearing the A-B Active call.

GUxxSSMPTY08	PLMN ref. to:	
	TS 122 084	
	TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_service	es/MPTY
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and	l user C are in network N2.
	Ensure that the user A can establish	n a MPTY call to user B and user C and create a
	private communication between A a	nd B. The multi-party call is placed on hold (A-B
	ACTIVE/MPTY HELD). User A invol	kes the MPTY service and join the single active call
	and the held MPTY together. User A	A is terminating the entire multi party call.
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		lishment user A initiates call hold. Then user A calls r A invokes the MPTY service by sending a
	FACILITY message to the network of	containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
		the MPTY, the served mobile will send a SplitMPTY
		rk will send normal CallOnHold notifications to the
	remote parties on hold in the MPTY	
		y sending a FACILITY message to the network
		which indicates to the network that the mobile
		active call and the held MPTY together in a multi
	party call. User A is terminating the	ennie muni party can.

GUxxSSMPTY09	PLMN ref. to:	
	TS 122 084	
	TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/N	MPTY
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and us	er C are in network N2.
	private communication between A and ACTIVE/MPTY HELD). After initiating of REQUEST connection. After the completion of the Retrieve fundant active connection (A-C) and the A-BHELD/MPTY ACTIVE). User A is terminating the multi party call.	MPTY call to user B and user C and create a B. The multi-party call is placed on hold (A-B of call hold, the call A-B has an ACTIVE ñHOLD-action concerning the MPTY call, the MPTY call is call has an Active-Held connection. (A-B II. User B is clearing the Active-Held call.
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

011 0011071110	DI BALL C.	
GUxxSSMPTY10	PLMN ref. to:	
	TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_service	s/MPTY
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and	user C are in network N2.
	Ensure that the user A can establish	a MPTY call to user B and user C and create a
	private communication between A ar	nd B. The multi-party call is placed on hold (A-B
	ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD-	
	REQUEST connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is	
	an active connection (A-C) and the A-B call has an Active-Held connection. (A-B	
	HELD/MPTY ACTIVE).	
	User C is terminating the multi party call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call,	user A is clearing the A-B connection.
PLMN parameter	GSM-BC= G BC ID	
values orign.:	_	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU xxSSMPTY11	PLMN ref. to:	
	TS 122 084	
	TS 123 084	
TSSreference:	GSM-UMTS/Supplementary services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU_xxSSCBS01	PLMN ref. to:	
	TS 123 088	
TSSreference:	GSM-UMTS/Supplementary_service	s/Call barring service
PLMN selection	The calling user activates Barring of	Outgoing international
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	home PLMN country (BOIC-exHC). country. Barring of Outgoing internat is supported by the PLMN in which the Ensure that when the calling user accept those to the home PLMN countries.	Outgoing international Calls except those to the The user is roaming outside the home PLMN cional Calls except those to the home PLMN country he served mobile subscriber currently roams. tivates Barring of Outgoing International Calls intry (BOIC-exHC) and the user is roaming outside shment to the home PLMN country is successful.
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

GU xxSSCBS02	PLMN ref. to:
	TS 123 088
TSSreference:	GSM-UMTS/Supplementary services/Call barring service
PLMN selection	
criteria orign.:	
PLMN selection	The PLMN supports barring of all incoming calls (BAIC).
criteria term.:	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.
PLMN parameter	GSM-BC= G BC ID
values orign.:	
PLMN parameter	
values term.:	
Comments:	

GUxxSSCBS03	PLMN ref. to: TS 123 088	
TSSreference:	GSM-UMTS/Supplementary services/Call barring service	
PLMN selection		
criteria orign.:		
PLMN selection	The Network B supports barring of all incoming calls (BAIC) and barring of incoming	
criteria term.:	calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke = NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

TSSreference: GSM-UMTS/Supplementary services/CCBS PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: Ensure that MS A can establish a successful CCBS call setup. PLMN parameter values orign.: PLMN parameter values orign.: PLMN parameter values term.: Comments: The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressofB, SubAddressofB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.	GU xxSSCCBS01	PLMN ref. to:	
TS 124 093 TSSreference: GSM-UMTS/Supplementary services/CCBS PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: Ensure that MS A can establish a successful CCBS call setup. PLMN parameter values orign.: PLMN parameter values term.: Comments: The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (Ti) and establish the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.	GOXX33CCB301		
TSSreference: GSM-UMTS/Supplementary_services/CCBS PLMN selection criteria orign.: PLMN selection criteria orign.: PLMN selection criteria term.: OLE is supporting the CCBS supplementary service. MS A is idle. Crest purpose: Ensure that MS A can establish a successful CCBS call setup. PLMN parameter values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: PLMN parameter values orign.: PLMN parameter values term.: Comments: The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, subAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (Ti) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.	Teeroforonoo		
Criteria orign.: PLMN selection criteria term.: Test purpose: Ensure that MS A can establish a successful CCBS call setup. PLMN parameter values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS a sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
PLMN selection criteria term.: Test purpose: PLMN parameter values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS a sends a CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		DLE is supporting the CCBS supplementary service	
Criteria term.: Test purpose: PLMN parameter values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		015: " " 0000	
Test purpose: PLMN parameter values orign.: PLMN parameter values orign.: GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS a sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		OLE is supporting the CCBS supplementary service. MS A is idle.	
PLMN parameter values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message, MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		F	
values orign.: PLMN parameter values term.: GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (ILC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
PLMN parameter values term.: GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		GSM-BC=G_BC_ID	
Values term.: The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		GSM-BC=G_BC_ID	
message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.	Comments:		
element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
the network sends a RÉLEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.			
SETUP message.			
		! •	
IMOO A shall made to the DD same attended to MO Adams of the U.S. C.			
MSC A shall maintain the RR connection with MS A throughout the time when			
acceptance of the CCBS Recall is possible. Once the SETUP message is received, the			
network moves to call state N01.		Inetwork moves to call state NU1.	

MS .	SETUP
	(Bearer capability, CC capabilities, Called party BCD number)
_	DISCONNECT
	((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)
	RELEASE
	Facility (Invoke = AccessRegisterCCEntry)
	RELEASE COMPLETE
<	Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)
<	NETWORK RR CONNECTION ESTABLISHED>
<	CM SERVICE PROMPT
	START CC
	CC ESTABLISHMENT
<	(Setup container)
	CC ESTABLISHMENT CONFIRMED
	(BC"(s)),
/ -	RECALL
Facili	ity (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode Alerting Pattern))
	SETUP>

GUxxSSCCBS02	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
	TS 124 093		
TSSreference:	GSM-UMTS/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is idle.	
criteria term.:			
Test purpose:	Ensure that MS A can establish a s	successful CCBS call setup.	
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:	GSM-LLC=G_LLC_ID		
	GSM-HLC=G_HLC_ID		
	Bearer Capability (BC), High Level	Compatibility (HLC) and Low Level Compatibility	
	(LLC) information within the Setup	container.	
	G_BC_ID_CONT		
	G_LLC_ID_CONT		
	G_HLC_ID_CONT		
		Compatibility (HLC) and Low Level Compatibility	
	,	TABLISHMENT CONFIRMED message	
	G_BC_ID_CC_E_C		
	G_LLC_ID_CC_E_C		
	G_HLC_ID_CC_E_C		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONI		
	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=		
	CCBSPossible) on receipt of a RELEASE message with a FACILITY informati		
	element indicating CCBSRequest invoke component including the		
	AccessRegisterCCEntry,		
	the network sends a RELEASE COMPLETE message containing a Facility informat		
	element with a CCBS Request return result component including the CCBS Index		
optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.			
	When destination B becomes free the network shall offer subscriber A the option of		
	recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establis		
	, ,	ERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.		
	The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container.		
	include the Setup container.		
	The MS is modifying the Bearer Capability (BC), High Level Compatibility (HLC) a		
	Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message to the network		
		MS A, which contains information to be presented to	
	the subscriber.	wo A, which contains information to be presented to	
		BS recall, the MS A shall establish a new call with the	
	SETUP message.	Do room, the Mo A shall establish a new call with the	
	, ,	ection with MS A throughout the time when	
		9	
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the potwork moves to call state N01		
<u> </u>	network moves to call state N01.		

Values for test purpose Gl xx	SSCCBS02
VA_01	GSM-BC=Speech
	G BC ID CONT = speech
	G BC ID CC E C = speech
	G HLC ID CC E C= telephony
VA_02	GSM-BC=Speech
	GSM-HLC= telephony
	G_BC_ID_CONT = speech
	G_HLC_ID_CONT= telephony
	G_BC_ID_CC_E_C = speech
	G_LLC_ID_CC_E_C = 3,1 kHz audio
	G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN
	G_BC_ID_CONT = 3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3
	G_BC_ID_CONT = facsimile G3
	G_BC_ID_CC_E_C = facsimile G3
	G HLC ID CC E C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3
	G_HLC = Facsimile G2/G3
	G_BC_ID_CONT = facsimile G3
	G_HLC_ID_CC_E_C = Facsimile G2/G3
	G_BC_ID_CC_E_C = facsimile G3

GUxxSSCCBS03	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2		
TSSreference:			
PLMN selection	GSM-UMTS/Supplementary_services/CCBS		
criteria orign.:	DLE is supporting the CCBS supplementary service		
PLMN selection	OLE is supporting the CCBS supple	montany convice MS A is idle	
criteria term.:	OLE is supporting the COBS supple	sitietitally service. Mo A is lule.	
Test purpose:	Engure that the MC A in the call pro	ceeding call state (the CCBS Recall message was	
rest purpose.	received and the CCBS Call Set-up		
	and when user B has responded to		
		essage. Normal call handling continues.	
PLMN parameter	GSM-BC=G BC ID	essage. Normal call handling continues.	
values orign.:	GOM-DO-G_DO_ID		
PLMN parameter	GSM-BC=G BC ID		
values term.:	GOM-DO-G_DO_ID		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNI message to MS A with a diagnostic field indicating CCBS possible, allowed action		
CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry,		voke component including the	
the network sends a RÉLEASE COMPLETE message containing a Facility in element with a CCBS Request return result component including the CCBS optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.		n result component including the CCBS Index and	
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish th CC connection by sending a CM SERVICE PROMPT message. MS A establishes the		
CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compand Low Level Compatibility (LLC) information within the Setup container.			
		nformation within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber.		
	SETUP message.	3S recall, the MS A shall establish a new call with the	
MSC A shall maintain the RR connection with MS A throughout the time acceptance of the CCBS Recall is possible. Once the SETUP message in network moves to call state N01. When user B has responded to the call with a ALERTING message the I an ALERTING message. Normal call handling continues.			

GUxxSSCCBS04	PLMN ref. to: EN 300 646, clause 6.1.1.14		
	TS 124 093, clause 4.2		
TSSreference:	GSM-UMTS/Supplementary services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) and when user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.		
PLMN parameter	BC=I_BC_ID		
values orign.:	OOM DO O DO ID		
PLMN parameter	GSM-BC=G_BC_ID		
values term.: Comments:	The state of the property of t		
Comments.	SM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT essage to MS A with a diagnostic field indicating CCBS possible, allowed actions= CBSPossible) on receipt of a RELEASE message with a FACILITY information ement indicating CCBSRequest invoke component including the ccessRegisterCCEntry, enetwork sends a RELEASE COMPLETE message containing a Facility information ement with a CCBS Request return result component including the CCBS Index and obtainally the AdressOfB, SubAddressOfB and the BasicServiceCode. Then destination B becomes free the network shall offer subscriber A the option of incalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall clude the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. The MS A sends a CC ESTABLISHMENT CONFIRMED message it mall send a RECALL message to MS A, which contains information to be presented to be subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the ETUP message. SC A shall maintain the RR connection with MS A throughout the time when coeptance of the CCBS Recall is possible. Once the SETUP message is received, the etwork moves to call state N01. Then user B has responded to the call with a CONNECT message the MS A receives in CONNECT message. Normal call handling continues.		

GUxxSSCCBS05	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14		
TSSreference:	GSM-UMTS/Supplementary services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.		
criteria term.:			
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.		
PLMN parameter	GSM-BC=G BC ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

GUxxSSCCBS06	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
TSSreference:	GSM-UMTS/Supplementary services/CCBS		
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service		
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.		
PLMN parameter values orign.:	GSM-BC=G_BC_ID		
PLMN parameter values term.:	GSM-BC=G_BC_ID		
Comments:			

GU_xxSSCCBS07	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
	TS 124 093, clause 4.3		
TSSreference:	GSM-UMTS/Supplementary service	es/CCBS	
PLMN selection	DLE is supporting the CCBS supple	ementary service	
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:	Francisco de la companya de la compa	- dia - DIOCONNECT t- MO A with -	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS		
		ssible, allowed actions = CCBSPossible (CCBS	
	Activated state)		
PLMN parameter	The user can deactivate a specific CCBS request GSM-BC=G BC ID		
values orign.:	GSW-BC=G_BC_ID		
PLMN parameter			
values term.:			
		ndication call state N12 (sending a DISCONNECT	
		field indicating CCBS possible, allowed actions=	
		EASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the		
	AccessRegisterCCEntry,		
	The network sends a RELEASE COMPLETE message containing a Facility information		
	element with a CCBS Request retu	rn result component including the CCBS Index and	
		essOfB and the BasicServiceCode.	
		S A shall send a REGISTER message, with the	
	Facility information element, indicat	ing EraseCCEntry.	

GU xxSSCCBS08	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
	TS 124 093, clause 4.4		
TSSreference:	SSreference: GSM-UMTS/Supplementary services/CCBS		
PLMN selection	DLE is supporting the CCBS supple	DLE is supporting the CCBS supplementary service	
criteria orign.:	,		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate outstanding CCBS requests		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

GUxxSSCCBS	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
09	TS 124 093, clause 4.2		
TSSreference:	GSM-UMTS/Supplementary_service	es/CCBS	
PLMN selection	DLE is supporting the CCBS supple	ementary service	
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is idle.	
criteria term.:			
Test purpose:		does not accept CCBS activation, the MS shall send	
		e network shall stop T1 and continue normal call	
	clearing.		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:	When CCBS is allowed the network CCBS Request.	s shall give subscriber A the option of activating a	
		NECT message to MS A (cause #17 (User Busy) or able)) with diagnostic field indicating CCBS is	
	Possible and allowed actions indica retention timer T1 when it sends the	ting CCBS is Possible. The network starts the DISCONNECT message.	
		CCBS activation, the MS shall send normal	
	RELEASE message and the netwo	rk shall stop T1 and continue normal call clearing. If	
	the timer T1 expires before the REL	EASE message is received from the MS, the	
network shall continue normal call clearing.		clearing.	

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GUxxSSCCBS	PLMN ref. to:	Other ref.: EN 300 646-1, clause 6.1.1.14	
10	TS 124 093, clause 4.2		
TSSreference:	GSM-UMTS/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supple	ementary service	
criteria orign.:			
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.	
criteria term.:			
Test purpose:	Ensure that when the subscriber A	explicitly rejects the CCBS Recall	
	the MS sends a RELEASE COI	MPLETE message.	
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:		k shall give subscriber A the option of activating a	
	CCBS Request.		
		NECT message to MS A (cause #17 (User Busy) or	
	cause #34 (no circuit/channel avail	able)) with diagnostic field indicating CCBS is	
	Possible and allowed actions indica	ating CCBS is Possible. The network starts the	
	retention timer T1 when it sends th	e DISCONNECT message.	
	If the subscriber A does not accept CCBS activation, the MS shall send normal		
	RELEASE message and the netwo	rk shall stop T1 and continue normal call clearing. If	
	the timer T1 expires before the RE	LEASE message is received from the MS, the	
	network shall continue normal call	clearing.	

Interactions

GU xxSICFU CLIP	PLMN ref. to:	
COLP01	TS 124 082, clause 1	
_	TS 123 082, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CFU	
PLMN selection	User A is provided with CLIP and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= Yes).	
	User C is provided with CLIP.	
User C is provided with CLIP. Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.: C: ? GSM-BC= G_BC_ID		
Comments:		

GU xxSSCFU CLI	PLMN ref. to:		
P COLP02	TS 124 082, clause 1		
_	TS 123 082, clause 1		
TSSreference:	GSM-UMTS/Supplementary services/CFU/GU xxSSCFU02		
PLMN selection	User A is provided with CLIR and COLP.		
criteria orign.:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion	on"	
criteria term.:	= No).		
	User C is provided with COLR and CLIP.		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFUactive	CFUactive	
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GUxxSICFB_CLIP	PLMN ref. to:		
_COLP01	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	GSM-UMTS/Supplementary services/CFB		
PLMN selection	User A is provided with CLIP and COLP.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of		
criteria term.:	call diversion" = Yes ; "notification to forwarding subscriber" = Yes).		
	User C is provided with CLIP		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G BC ID		
values orign.:			
PLMN parameter	CFB-NDUB active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU xxSICFB CLIP	PLMN ref. to:		
COLP02	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	GSM-UMTS/Supplementary_services/CFB		
PLMN selection	User A is provided with CLIR and COLP.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of		
criteria term.:	call diversion" = No ; "notification to forwarding subscriber" = No)		
	User C is provided with COLR and CLIP.		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G BC ID		
values orign.:			
PLMN parameter	CFB-NDUB active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GU xxSICFNRy CL	PLMN ref. to:	
IP_COLP01	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_service	es
PLMN selection	User A is provided with CLIP and C	OLP.
criteria orign.:		
PLMN selection		provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = Yes, "notification to for	warding subscriber" = Yes).
	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

GUxxSSCFNRy_C	PLMN ref. to:		
LIP_COLP02	TS 124 082, clause 3		
_	TS 123 082, clause 3		
TSSreference:	GSM-UMTS/Supplementary services/CFNRy		
PLMN selection	User A is provided with CLIR and COLP.		
criteria orign.:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria term.:	diversion" = No "notification to forwarding subscriber" = No)		
	User C is provided with COLR and CLIP.		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G BC ID		
values orign.:			
PLMN parameter	CFNRy active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GUxxSICFNRc_CL	PLMN ref. to:		
IP_COLP01	TS 124 082, clause 3		
	TS 123 082, clause 3		
TSSreference:	GSM-UMTS/Supplementary services/CFNRc		
PLMN selection	User A is provided with CLIP and C	OLP.	
criteria orign.:			
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = Yes).		
	User C is provided with CLIP.		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-		
	Notification]) message, and the presentation of the diverted-to number is allowed		
	accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.	·	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling Party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFNRc active, the user detached		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

GUxxSICFNRc_CL	PLMN ref. to:	
IP_COLP02	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRc	
PLMN selection	User A is provided with CLIR and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = No).	
	User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.	
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G BC ID	
values orign.:		
PLMN parameter	CFNRc active, the user is detached	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

GU xxSICUG CFU	PLMN ref. to:		
01	TS 122 085		
TSSreference:	GSM-UMTS/Supplementary services/CUG CFU		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options	:	
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection	User B and C belongs to the same CUG.		
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.		
	User B is provided with CFUand has an active call forwarding to C.		
	User C has the following CUG supplementary options: not IA, not ICB.		
Test purpose:	Ensure that a call establishment is successful.		
PLMN parameter	GSM-BC= G BC ID		
values orign.:			
PLMN parameter	GSM-BC= G BC ID		
values term.:			
Comments:			

GUxxSICUG_CFU	PLMN ref. to:		
02	TS 122 085		
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection	User B belongs to the same CUG with the following CUG supplementary options: not		
criteria term.:	OA; not ocb; not Pref. CUG.		
	User B is provided with CFUand has an active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to		
	the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

GUxxSICUG_CFU	PLMN ref. to:		
03	TS 122 085		
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG_CFU	
PLMN selection		ollowing CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection	User B belongs to the same CUG w	rith the following CUG supplementary options: OA;	
criteria term.:	not ocb; not Pref. CUG		
	User B is provided with CFUand has an active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter	GSM-BC= G BC ID		
values orign.:	35.11.20 3_20_12		
PLMN parameter			
values term.:			
Comments:			

GUxxSICUG_CFU	PLMN ref. to:		
04	TS 122 085		
TSSreference:	GSM-UMTS/Supplementary services/CUG CFU		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria orign.:	OA; not ocb; not Pref. CUG.		
PLMN selection	User B belongs to the same CUG.		
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.		
	User B is provided with CFU and has active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to		
	the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

GU xxSICUG CFU	PLMN ref. to:			
05	TS 122 085			
TSSreference:	GSM-UMTS/Supplementary_service	es/CUG_CFU		
PLMN selection	User A belongs to a CUG with the fo	ollowing CUG supplementary options:		
criteria orign.:	OA; not ocb; not Pref. CUG.			
PLMN selection	User B and C belong to the same CUG.			
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.			
	User B is provided with CFUand has	s active call forwarding to C.		
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.			
PLMN parameter	GSM-BC=G BC ID			
values orign.:				
PLMN parameter	GSM-BC=G_BC_ID			
values term.:				
Comments:				

GUxxSICFB_CW0	PLMN ref. to:	
1	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services	s/CFB_CW
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is pr	rovided with CFB ("calling user is notified of call
criteria term.:	diversion" = Yes ;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	B: CFB-UDUB, CW active	
values term.:	C: ? GSM-BC=G_BC_ID	
Comments:		

GU xxSICFB CW0	PLMN ref. to:	
2	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/	CFB_CW
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria term.:	diversion" = No) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call	
PLMN parameter	diversion. A: ! GSM-BC= G BC ID	
values orign.:	A. : GSW-BC= G_BC_ID	
PLMN parameter	B: CFB-UDUB, CW active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

7.5.3 Short message service

7.5.3.1 Short message service point to point on CS mode

GU PP CS 01	PLMN ref. to:
GG	TS 124 011
TSSreference:	GSM-UMTS/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	

PLMN ref. to:	
TS 124 011	
GSM-UMTS/Basic_call/Successful/Short_message	
SMS	
SMS	
Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.	
GSM-TS= Short Message MO ñ PP	
GSM-TS= Short Message MT ñ PP	
MO The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM to MS A. MT The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSsauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release	
For the mobile originated short message is used the Maximum length (characters)	

GUPP_CS_03	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call	
	(Active State).	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:		

GUPP_CS_04	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:	The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM to MS A.	
	The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

GU PP CS 05	PLMN ref. to:
<u> </u>	TS 124 011
TSSreference:	GSM-UMTS/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	the MSs are involved in an active call (Active State N 04)
	Verify that the MS A is capable of simultaneously receiving a network originated SM
	whilst sending a mobile originated SM.
	Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	MO
	The MS A shall be in MM-state "Idle, updated".
	A data or speech call is established with the SS and the state N04 of call control is
	entered.
	The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE
	REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the
	CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-
	ACK message within TC1M followed by a CP-DATA message containing the correct RP-
	ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then
	the SS sends a channel release message to the UE.
	Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM
	to MS A.
	MT I
	The MS B shall be in MM-state "Idle, updated".
	A data or speech call is established on a DTCH with the SS and the state N04 of call
	control is entered. The SS sends a CP-DATA message. The information element of the
	CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a
	CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates
	RRC Connection release
	ITHO CONTINUON TELEBOSE
	For the mobile originated short message is used the Maximum length (characters)
	if or the meshe originated enert message is used the maximum rengin (characters)

GUPP_CS_06	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10). Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:		

GU PP CS 07	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the	
	MSs are in the Idle state .	
	The test also verifies that the MS A is able to correctly send and MS B is able to correctly	
	receive multiple short messages on the same or several MM connection.	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU PP CS 08	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the Idle state . The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GUPP_CS_09	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both	
	MSs involved are in the Active call state.	
	The test also verifies that MS A is able to correctly send and MS B to receive multiple	
	short messages on the same or several MM connection.	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:	The call clearing is continued in parallel to the following exchange of messages related	
	to SMS.	
	SMS messages are stored in the USIM and/or the ME.	
	For the mobile originated short message is used the Maximum length (characters)	

GUPP_CS_10	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both	
	MSs involved are in the Active call state .	
	The test also verifies that MS A is able to correctly send and MS B to receive multiple	
	short messages on the same MM connection.	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:	The call clearing is continued in parallel to the following exchange of messages related	
	to SMS.	
	SMS messages are stored in the USIM and/or the ME.	
	For the mobile originated short message is used the Maximum length (characters).	

GU PP CS 11	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, it shall receive the Short Message from the network.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	MS-B is detached when the Short Message is sent.

GU PP CS 12	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.

7.5.3.2 Short message service point to point on PS mode

GU PP PS 01	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

GUPP_PS_02	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

GU PP PS 03	PLMN ref. to:
GUPP_PS_03	
	TS 124 011
TSSreference:	GSM-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

GUPP_PS_04	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the
	MSs are in the Idle state.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

GU PP PS 05	PLMN ref. to:
	TS 124 011
TSSreference:	GSM-UMTS/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP
	context is in progress.
PLMN parameter	GSM-TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

7.5.3.3 Short message service cell broadcast

GUGCB01	PLMN ref. to:
	TS 124 011
TSSreference:	GSM ñUMTS/Short message
PLMN selection	
criteria orign.:	
PLMN selection	SMS-CB
criteria term.	
Test purpose:	Verify that the SMS CB is Transferred to MS A in MM-state "Idle, updated".
PLMN parameter	
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ CB
values term.:	
Comments:	Three Cell Broadcast (CB) messages are sent by the SSon the CBCH.
	The network has to be cofigurated to send an SMS CB with defined text on a defined
	channel.

GUGCB_02	PLMN ref. to:
	TS 124 011
TSSreference:	GSMnUMTS/Short_message
PLMN selection	
criteria orign.:	
PLMN selection	SMS-CB
criteria term.	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".
PLMN parameter	
values orign.:	
PLMN parameter	GSM-TS= Short Message MT ñ CB
values term.:	
Comments:	Three Cell Broadcast (CB) messages are sent by the SSon the CBCH.
	The network has to be cofigurated to send an SMS CB with defined text on a defined channel.

7.6 Test purposes for UMTS-GSM

7.6.1 Test purposes for UMTS-GSM, Basic call

In the following UMTS-GSM Tests are used two configurations.

- At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.
- At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.6.1.1 Successful

Successful	
Speech	

UGSP01	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-GSM/Basic call/Successful/Speech
PLMN selection criteria orign.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter values orign.:	GSM-BC=speech, no HLC
PLMN parameter values term.:	GSM-BC=speech, no HLC
Comments:	

UG SP 02	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.1
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC=speech, no HLC
values orign.:	
PLMN parameter	GSM-BC=speech, no HLC
values term.:	
Comments:	

UGSP03	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2	
	TS 122 003, clause 6	
	TS 127 001, annex B.2.8	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, HLC=telephony	
values orign.:		
PLMN parameter	GSM-BC=speech, HLC=telephony	
values term.:		
Comments:		

UG SP 04	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2	
	TS 122 003, clause 6	
	TS 127 001, annex B.2.8	
TSSreference:	UMTS-GSM/Basic_call/Successful/S	Speech/
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, HLC=telephony	
values orign.:	0014 B0	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

Successful 3,1 kHz audio, ex PLMN

UGAU01	PLMN ref. to:	
	TS 124 008, clause 5.2,	
	clause 5.4	
	TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria orign.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

UG AU 02	PLMN ref. to:	
	TS 124 008, clause 5.2.1,	
	clause 5.4	
	TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria orign.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

UG AU 03	PLMN ref. to:	
	TS 124 008, clause 5.2.1	
	TS 129 007, clause 10.2	
	TS 127 001, annex B.1.2	
TSSreference:	UMTS-GSM/Basic call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria act:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,	
values orign.:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,	
values term.:	synchronous/asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
Comments:		

UG AU 04	PLMN ref. To:		
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2, B.2.2		
TSSreference:	UMTS-GSM/Basic call/Successful/3,1 kHz audio ex PLMN		
PLMN selection	Audio		
criteria orign.:			
PLMN selection	Audio		
criteria term.:			
Test purpose:	Ensure that the GSM-BC =3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is		
	correctly mapped and the LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly delivered to the called user.		
	In the active call state (N10) ensure that the data transfer on the traffic channels is		
	performed correctly.		
	The call clearing procedure is performed from the called user.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if		
	tones/announcement are applied.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
0	user rate: USER_RATE		
Comments:			

Values for test purposes UGAU_03; UGAU_	_04;
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
VA 05	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
VA 00	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
VA 07	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous USER RATE: 2,4kbit/s
	G USER RATE: 2,4 kbit/s
VA 08	Selection criteria: asynchronous mode, BS 25
VA_00	MODE: asynchronous
	USER RATE: 4,8 kbit/s
	G USER RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
VA_03	MODE: asynchronous
	USER RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s
	G USER HATE. 9,0 KDIL/S

UGAU05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1	TS 124 008	
		TS 129 007	
		TS 123 034	
TSSreference:	UMTS-GSM/Basic_call/Successful		
PLMN selection	3,1 kHz		
criteria orign.:			
PLMN selection	3,1 kHz		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the p	arameter values: 3,1 kHz audio ex PLMN, voice band	
		nchronous mode is set to MODE, fix network user rate	
	set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air		
	interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is		
	correctly mapped to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
PLMN parameter	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	Fix network user rate: FNU	RATE	
Comments:			

UG AU 06	PLMN ref. to:		
	TS 124 008		
	TS 129 007		
	TS 123 034		
TSSreference:	UMTS-GSM/Basic call/Successful		
PLMN selection	3,1 kHz		
criteria orign.:			
PLMN selection	3,1 kHz		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band		
	data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate		
	set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air		
	interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and		
	the LLC parameter values: 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly mapped and delivered to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
	LLC= 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
DI MAN	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	Fix network user rate: FNU_RATE		
	LLC= 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE user rate: USER_RATE		
Comments:	user rate. USER_RATE		
Comments:			

Values for test purpose UG AU 05 and UG AU	06
VA 01	MODE: synchronous
	USER RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
	No TCH: 3
	AIŪ_RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_02	MODE: synchronous
	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s
	TCH_FX_X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2
	AIŪ_RATE: 19.2
	TCH_FX_X: 9.6
VA_04	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
V	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3 AIU_RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_06	
VA_00	MODE: synchronous USER RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA 07	MODE: synchronous
· · · _ • ·	USER_RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
	No TCH: 4
	AIU RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_08	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
	TCH_FX_X: 14.4
VA_09	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
VA 40	TCH FX X: 14.4
VA_10	MODE: asynchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
VA 11	TCH FX X:14.4
VA_11	MODE: asynchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s No_TCH: 1
	NO_TCH: 1 AIU_RATE: 14.4
	TCH FX X:14.4
	ΙΟΙΙ_ΓΛ_Λ.14.4

Values for test purpose UGAU_05 and UGAU	_06
VA_12	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
	TCH FX X: 4.8
VA_13	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH_FX_X:14.4
VA_14	MODE: asynchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6
VA_15	MODE: asynchronous
	USER_RATE: 33.6 kbit/s
	FNU_RATE: 33.6 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH FX X:9.6
VA_16	MODE: asynchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6

Successful	
UDI	

UGUD01	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic call/Successful/UDI	
PLMN selection	UDI	
criteria orign.:		
PLMN selection	UDI	
criteria term.:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30	
Comments:		

UGUD_02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:		

UGUD_03	PLMN ref. to:		
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2; B 2.2		
TSSreference:	UMTS-GSM/Basic call/Successful/UDI		
PLMN selection	UDI		
criteria orign.:			
PLMN selection	UDI		
criteria term.:			
Test purpose:	Ensure that the GSM-BC=UDI, V.110/X.30, synchronous/asynchronous mode is set to		
	MODE, user rate set to USER RATE is correctly mapped and the LLC=UDI, V.110/X.30,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly delivered to the to the called user.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
	The call clearing procedure is performed from the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC = UDI, V.110/X.30,		
values orign.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC = UDI, V.110/X.30,		
values term.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:			

Values for test purpose UGUD03	
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

LIO LID 04	DI MN ref. 40:		
UGUD04	PLMN ref. to:		
	TS 124 008		
	TS 129 007		
	TS 123 034		
TSSreference:	UMTS-GSM/Basic_call/Successful		
PLMN selection	UDI		
criteria orign.:			
PLMN selection	UDI		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU RATE, maximum number of traffic channels set to No TCH, wanted air interface		
	user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly		
	mapped to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
D. 1411	performed correctly.		
PLMN parameter	GSM-BC = UDI, V.110/X.30		
values orign.:	Synchronous/asynchronous mode: MODE		
	Fix network user rate: FNU_RATE		
	Maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
PLMN parameter	GSM-BC= information transfer capability: UDI		
values term.:	rate adaptation: V.110/X.30,		
	synchronous/asynchronous mode: MODE,		
	fix network user rate: FNU RATE		
Comments:			

UG UD 05	PLMN ref. to:	
[64 <u></u> 6566	TS 124 008	
	TS 129 007	
	TS 123 034	
TSSreference:	UMTS-GSM/Basic call/Successful	
PLMN selection	UDI	
criteria orign.:		
PLMN selection	UDI	
criteria term.		
Test purpose:	V.110/X.30, synchronous/asynchro to FNU_RATE, maximum number of user rate set to AIU_RATE, accepta parameter values: information transsynchronous/asynchronous mode is correctly mapped and delivered to the synchronous of th	s set to MODE, user rate set to USER_RATE is
PLMN parameter	GSM-BC = UDI, V.110/X.30,	
values orign.:	synchronous/asynchronous mode: MODE	
	fix network user rate: FNU RATE	
	maximum number of traffic channels: No TCH,	
	air interface user rate: AIU RATE	
	acceptable channel coding: TCH FX X	
	LLC= UDI, V.110/X.30,	·
	synchronous/asynchrono	ous mode: MODE
	user rate: USER_RATE	
PLMN parameter	GSM-BC= information transfer capa	ability: UDI
values term.:	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mod	
	fix network user rate: FNU_RAT	
	LLC= information transfer capability	r: UDI
	Rate adaptation: V.110/X.30,	
	synchronous/asynchronous mod	de: MODE,
	user rate: USER_RATE	
Comments:		

Values for test purpose UG UD 04 and UG AD	05
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s
1/4 aa	TCH FX X: 4.8
VA_02	MODE: synchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s No_TCH: 3
	AIU RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_03	MODE: synchronous
*** <u>_</u> ***	USER RATE: 19.2 kbit/s
	FNU RATE: 19.2 kbit/s
	No TCH: 2
	AIU RATE: 19.2
	TCH FX X: 9.6
VA_04	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
VA 05	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 28.8 kbit/s FNU RATE: 28.8 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_06	MODE: synchronous
	USER RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH_FX_X: 9.6
VA_07	MODE: synchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4 AIU RATE: 38.8 kbit/s
	TCH FX X: 9.6
VA_08	MODE: synchronous
*A_00	USER RATE: 56.0 kbit/s
	FNU RATE: 56.0 kbit/s transparent
	No TCH: 4
	AIU RATE: 57.6
	TCH_FX_X: 14.4
VA_09	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6
\/A_40	TCH FX X: 14.4
VA_10	MODE: asynchronous
	USER_RATE: 9.6 kbit/s FNU RATE: 9.6 kbit/s
	No TCH: 1
	AIU RATE: 14.4
	TCH FX X:14.4
VA_11	MODE: asynchronous
-	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 1
	AIU_RATE: 14.4
	TCH_FX_X:14.4

Values for test purpose UG	UD_04 and UG_	AD05
VA_12		MODE: asynchronous
		USER_RATE: 19.2 kbit/s
		FNU_RATE: 19.2 kbit/s
		No_TCH: 4
		AIU_RATE: 19,2
		TCH FX X: 4.8
VA_13		MODE: asynchronous
		USER_RATE: 28.8 kbit/s
		FNU_RATE: 28.8 kbit/s
		No_TCH: 2
		AIU_RATE: 28.8
		TCH_FX_X:14.4
VA_14		MODE: asynchronous
		USER_RATE: 32.0 kbit/s
		FNU_RATE: 32.0 kbit/s
		No_TCH: 4
		AIU_RATE: 38.8
\(\frac{1}{2}\)		TCH_FX_X:9.6
VA_15		MODE: asynchronous
		USER_RATE: 33.6 kbit/s
		FNU_RATE: 33.6 kbit/s
		No_TCH: 4
		AIU_RATE: 38.8
VA 40		TCH FX X:9.6
VA_16		MODE: asynchronous
		USER_RATE: 38.4 kbit/s
		FNU_RATE: 38.4 kbit/s
		No_TCH: 4
		AIU_RATE: 38.8
		TCH_FX_X:9.6

Successful Facsimile group 3

UG FX 01	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.1.1
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGFX_02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1; B 2.11
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3
PLMN selection criteria orign.:	TS 62
PLMN selection criteria term.	TS 62
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGFX03	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2
	TS 127 001, annex B.1.11
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.	
PLMN selection	TS 62
criteria orign.	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGFX04	PLMN ref. to: TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.11,
	B.2.11
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

Successful Alternate speech and facsimile group 3

UG AF 01	PLMN ref. to:	
	TS 124 008, clause 5.2.1	
	TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after answer.	
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is	
	performed correctly.	
PLMN parameter	first GSM-BC=speech	
values orign.:	second GSM-BC= facsimile G3, no HLC	
PLMN parameter	first GSM-BC=speech	
values term.:	second GSM-BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC	
	stored in the VLR.	

UGAF_02	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering", the call set-up to the mobile will not contain a GSM-BC element.

UGAF03	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G BC ID
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3
Comments:	

LIC AE 04	PLMN ref. to:
UGAF04	
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGAF_05	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	User A and user B are subscribed to different PLMNs
values term.:	first GSM-BC=speech
	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

UGAF06	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

UGAF07	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the called user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = facsimile G3
Comments:	

UGAF_08	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= facsimile G3, no HLC
values orign.:	second GSM-BC= G_BC_ID
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGAF09	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first
	indicating "speech" and the second indicating the service "facsimile G3" are correctly
	delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first
	GSM-BC=speech
	second GSM-BC= facsimile G3, no HLC).
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if
	tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
DI MAI	performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.
	The MODIFY message in not transmitted over the ISUP.

UG AF 10	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element.
	The MODIFY message in not transmitted over the ISUP.

UGAF11	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	

UG AF 12	PLMN ref. to:
UGAF_12	TS 124 008, clause 5.2
	· · · · · · · · · · · · · · · · · · ·
	TS 129 007, clause 9.2.2 b,
	10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.
	The MODIFY message in not transmitted over the ISUP.

UGAF13	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b, 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element.
	The MODIFY message in not transmitted over the ISUP.

UGAF14	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, HLC= Facsimile G2/G3
Comments:	

UGAF15	PLMN ref. to: TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC= GSM-BC= facsimile G3, no HLC
values orign.:	second speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.
	The MODIFY message in not transmitted over the ISUP.

UGAF16	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	The MODIFY message in not transmitted over the ISUP.

UGAF_017	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = facsimile G3, no HLC
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC = facsimile G3
values term.:	second GSM-BC=speech
Comments:	

UGAF18	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 9.2.2 b,
	10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC= Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC = Facsimile G3, HLC= Facsimile G2/G3
values orign.:	second GSM-BC=speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC= facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.
values term.:	second GSM-BC= facsimile G3, no HLC The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR

UGAF19	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2		
	TS 127 001, annex B.1.10		
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3		
PLMN selection	TS 61		
criteria orign.:			
PLMN selection	Single numbering Scheme, TS 61		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3		
values orign.:	second GSM-BC=speech		
PLMN parameter	GSM-BC= facsimile G3, HLC= Facsimile G2/G3		
values term.:			
Comments:	The MODIFY message in not transmitted over the ISUP.		

PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10 TSSreference: UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3 PLMN selection criteria orign.: PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10 TSSreference: UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3 PLMN selection criteria orign.: PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
TS 127 001, annex B.1.10 TSSreference: UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3 PLMN selection criteria orign.: PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
TSSreference: PLMN selection criteria orign.: PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
PLMN selection criteria orign.: PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
criteria orign.: PLMN selection criteria term.: Test purpose: User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
PLMN selection criteria term.: TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN) User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
Criteria term.: VPLMN (Visited PLMN) User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is
performed correctly.
PLMN parameter first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3
values orign.: second GSM-BC=speech
PLMN parameter first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3
values term.: second GSM-BC=speech
Comments:

Successful

Alternate Speech/Data

UG AD 01	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, annex B.1.6				
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria act:					
PLMN selection	BS 61				
criteria term.:					
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.				
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if				
	tones/announcement are applied.				
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is				
	performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1 kHz audio ex PLMN				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.				

UGAD_02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

UGAD_03	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6			
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data			
PLMN selection criteria act:	BS 61			
PLMN selection criteria term.:	BS 61			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem			
PLMN parameter	first GSM-BC=speech			
values term.:	second GSM-BC=3,1 kHz audio ex PLMN			
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.			

UGAD_04	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data
PLMN selection criteria act:	BS 61
PLMN selection criteria term.:	Single numbering Scheme, BS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

UGAD_05	PLMN ref. to:					
	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, B 1.6					
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria orign.:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are					
	correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped					
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band					
	lata via modem, synchronous/asynchronous mode is set to MODE, user rate set to JSER_RATE).					
	Ensure that in the active call state (N10) the data transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	first GSM-BC=speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
values origin.	synchronous/asynchronous mode: MODE					
	user rate: G USER RATE					
PLMN parameter	first GSM-BC=speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
varaoo torriin	synchronous/asynchronous mode: MODE					
	user rate: G USER RATE					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR					
	The MODIFY message in not transmitted over the ISUP.					
<u> </u>	9					

UGAD_06	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, B 1.6
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data
PLMN selection	BS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element.
	The MODIFY message in not transmitted over the ISUP.

UGAD_07	PLMN ref. to:			
	TS 124 008, clause 5.2			
	TS 129 007, clause 10.2.2			
	TS 127 001, annex B 1.6			
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data			
PLMN selection	BS 61			
criteria:				
PLMN selection	BS 61; User A and user B are subsc	ribed to the same PLMN and user B is roaming in a		
criteria:	VPLMN (Visited PLMN)			
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values:	second GSM-BC=3,1 kHz audio ex l			
	synchronous/asynchronous n	node: MODE		
	user rate: G_USER_RATE			
PLMN parameter	first GSM-BC=speech			
values:	second GSM-BC=3,1 kHz audio ex l			
	synchronous/asynchronous n	node: MODE		
	user rate: G USER RATE			
Comments:				

Values for test purposes UG	AD	05 to UG	AD	07
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				G USER RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				G USER RATE: 2,4 kbit/s
VA 03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				G USER RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				G USER RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				G_USER_RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				G USER RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				G USER RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				G USER RATE: 9,6 kbit/s

UGAD_08	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, annex B 1.6				
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria orign.:					
PLMN selection	BS 61				
criteria term.:					
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are				
	correctly delivered (mapped to ISDN-BC=3,1kHz audio over the ISUP and mapped				
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band				
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to				
	SER_RATE.				
	insure that in the active call state (N10) the data transfer on the traffic channels is				
	performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC				
	stored in the VLR.				
	The MODIFY message in not transmitted over the ISUP.				

UGAD_09	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, B 1.6				
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria orign.:					
PLMN selection criteria term.:	Single numbering Scheme, BS 61				
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
PLMN parameter					
values term.:					
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC				
	element.				
	The MODIFY message in not transmitted over the ISUP.				

UG AD 10	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, annex B 1.6				
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria term.:					
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a				
criteria term.:	VPLMN (Visited PLMN)				
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
Comments:					

Values for test purposes UGAD	08 to UG_	_AD_	_10
VA_01			Selection criteria: synchronous mode, BS 31
			MODE: synchronous
			USER_RATE: 1,2 kbit/s
			G USER RATE: 1,2 kbit/s
VA_02			Selection criteria: synchronous mode, BS 32
			MODE: synchronous
			USER_RATE: 2,4kbit/s
			G_USER_RATE: 2,4 kbit/s
VA_03			Selection criteria: synchronous mode, BS 33
			MODE: synchronous
			USER_RATE: 4,8 kbit/s
			G_USER_RATE: 4,8 kbit/s
VA_04			Selection criteria: synchronous mode, BS 34
			MODE: synchronous
			USER_RATE: 9,6 kbit/s
			G_USER_RATE: 9,6 kbit/s
VA_05			Selection criteria: asynchronous mode, BS 21
			MODE: asynchronous
			USER_RATE: 0,3 kbit/s
			G_USER_RATE: 0,3 kbit/s
VA_06			Selection criteria: asynchronous mode, BS 22
			MODE: asynchronous
			USER_RATE: 1,2 kbit/s
			G_USER_RATE: 1,2 kbit/s
VA_07			Selection criteria: asynchronous mode, BS 24
			MODE: asynchronous
			USER_RATE: 2,4kbit/s
			G_USER_RATE: 2,4 kbit/s
VA_08			Selection criteria: asynchronous mode, BS 25
			MODE: asynchronous
			USER_RATE: 4,8 kbit/s
			G_USER_RATE: 4,8 kbit/s
VA_09			Selection criteria: asynchronous mode, BS 26
			MODE: asynchronous
			USER_RATE: 9,6 kbit/s
			G USER RATE: 9,6 kbit/s

Successful

Speech followed by data

UGFD01	PLMN ref. to:				
	TS 124 008, clause 5.2.1				
	TS 129 007, clause 10.2.2				
	TS 127 001, annex B.1.7				
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data				
PLMN selection	BS 81				
criteria orign.:					
PLMN selection	BS 81				
criteria term.:					
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.				
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if				
	tones/announcement are applied.				
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is				
	performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN,				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1 kHz audio ex PLMN,				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC				
	stored in the VLR.				

UGFD02	PLMN ref. to: TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN,
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

UGFD_03	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7		
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data/		
PLMN selection criteria orign.:	BS 81		
PLMN selection criteria term.:	BS 81		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.		

UGFD04	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	Single numbering Scheme, BS 81;
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element

UGFD05	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001,anex B.1.7, B.2.7.2				
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data				
PLMN selection	BS 81				
criteria orign.:					
PLMN selection	BS 81				
criteria term.:					
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC				
	stored in the VLR.				
	The MODIFY message in not transmitted over the ISUP.				

criteria orign.:	Cingle numbering Coheme, DC 01:
PLMN selection criteria term.:	Single numbering Scheme, BS 81;
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G USER RATE
PLMN parameter values term.:	
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.

UGFD07	PLMN ref. to:			
	TS 124 008, clause 5.2			
	TS 129 007, clause 10.2.2			
	TS 127 001, annex B.1.7, B.2.7.2			
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data			
PLMN selection	BS 81			
criteria orign.:				
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a			
criteria term.:	VPLMN (Visited PLMN)			
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values act:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
	synchronous/asynchronous mode: MODE			
	user rate: G_USER_RATE			
PLMN parameter	first GSM-BC=speech			
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
	synchronous/asynchronous mode: MODE			
	user rate: G_USER_RATE			
Comments:				

Values for test purposes UG_	_FD_	05 to UG_	_FD_	_07
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				G_USER_RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				G USER RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				G_USER_RATE: 4,8 kbit/s
VA_09		- 	-	Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				G_USER_RATE: 9,6 kbit/s

UG FD 08	PLMN ref. to:				
	TS 124 008, clause 5.2.1				
	TS 129 007, clause 10.2.2				
	TS 127 001, annex B.1.7,				
	B.2.7.1,				
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data				
PLMN selection	BS 81				
criteria orign.:					
PLMN selection	BS 81				
criteria term.:					
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are				
	correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped				
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band				
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to				
	USER_RATE).				
	Ensure that in the active call state (N10) the data transfer on the traffic channels is				
	performed correctly.				
PLMN parameter	first GSM-BC=speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
DI MAI	user rate: USER_RATE				
PLMN parameter values term.:	first GSM-BC=speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem,				
	· · · · · · · · · · · · · · · · · · ·				
	synchronous/asynchronous mode: MODE user rate: USER_RATE				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC				
Comments.	stored in the VLR.				
	The MODIFY message in not transmitted over the ISUP.				
	The meet i meedage in not transmitted ever the foot.				

UGFD_09	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data
PLMN selection criteria orign.:	BS 81
PLMN selection criteria term.:	Single numbering Scheme, BS 81
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE
PLMN parameter values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.

UG FD 10	PLMN ref. To:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7, B.2.7.1
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G USER RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: USER_RATE
Comments:	

Values for test purposes UG	FD_08 to UG_	_FD_	_10
VA_01			Selection criteria: synchronous mode, BS 31
			MODE: synchronous
			USER_RATE: 1,2 kbit/s
			G USER RATE: 1,2 kbit/s
VA_02			Selection criteria: synchronous mode, BS 32
			MODE: synchronous
			USER_RATE: 2,4kbit/s
			G_USER_RATE: 2,4 kbit/s
VA_03			Selection criteria: synchronous mode, BS 33
			MODE: synchronous
			USER_RATE: 4,8 kbit/s
			G_USER_RATE: 4,8 kbit/s
VA_04			Selection criteria: synchronous mode, BS 34
			MODE: synchronous
			USER_RATE: 9,6 kbit/s
			G_USER_RATE: 9,6 kbit/s
VA_05			Selection criteria: asynchronous mode, BS 21
			MODE: asynchronous
			USER_RATE: 0,3 kbit/s
144.00			G_USER_RATE: 0,3 kbit/s
VA_06			Selection criteria: asynchronous mode, BS 22
			MODE: asynchronous
			USER_RATE: 1,2 kbit/s
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			G_USER_RATE: 1,2 kbit/s
VA_07			Selection criteria: asynchronous mode, BS 24
			MODE: asynchronous
			USER_RATE: 2,4kbit/s
VA 00			G_USER_RATE: 2,4 kbit/s
VA_08			Selection criteria: asynchronous mode, BS 25
			MODE: asynchronous
			USER_RATE: 4,8 kbit/s
VA 00			G_USER_RATE: 4,8 kbit/s
VA_09			Selection criteria: asynchronous mode, BS 26
			MODE: asynchronous
			USER_RATE: 9,6 kbit/s
			G USER RATE: 9,6 kbit/s

7.6.1.2 Unsuccessful

Unsuccessful	
speech	

UG SP U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UGSP_U02	PLMN ref. to:	
	TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE	
	COMPLETE indicating cause value #17 "user busy", the network transport the cause	
	value to the calling user.	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter	GSM-BC=speech	
values term.:		
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE	
	COMPLETE (#17 "user busy").	

UGSP_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGSP_U04	PLMN ref. to: TS 124 008, annex H.1.7
	TS 129 002, clause 18.2, 18.3.2
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

UGSP_U05	PLMN ref. to: TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

UG SP U06	PLMN ref. to:
0401_000	TS 124 008, clause 5.2.1,
	, , , , , , , , , , , , , , , , , , ,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	

UGSP_U07	PLMN ref. to:	
	TS 124 008, annex H.5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
PLMN parameter	GSM-BC=speech	
values orign.:		
PLMN parameter	GSM-BC=speech	
values term.		
Comments:		

UG SP U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.	
Comments:	

UGSP_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=speech
values orign.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful 3,1 kHz audio ex PLMN

UG AU U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UG AU U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy". The network transport the cause
	value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

UG AU U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	

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UGAU_U04	PLMN ref. to:
	TS 124 008 H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

UG AU U05	PLMN ref. to:
04/10_000	TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

110 411 1100	DIAM of the
UGAU_U06	PLMN ref. to:
	TS 124 008, clause 5.2.2.3.1,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected". The network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

	DIAM of the
UGAU_U07	PLMN ref. to:
	TS 124 008, annex B.3.2, H 5.3
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

UG AU U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

UGAU_U09	PLMN ref. to: TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful UDI

UG UD U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UG UD U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause
	value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").

UGUD_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGUD_U04	PLMN ref. to:
	TS 124 008, annex H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGUD_U05	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria act:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

UG UD U06	PLMN ref. to:
0405_000	TS 124 008. clause 5.2.2.3.1.
	,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	·
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
Comments:	

UGUD_U07	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

UGUD_U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

UGUD_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

Unsuccessful Facsimile group 3

UGFX_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC= facsimile G3, no HLC
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UG FX U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy", the network transport the cause
	value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

UG FX U03	PLMN ref. to:
UGFX_UU3	
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGFX_U04	PLMN ref. to:
	TS 124 008, annex H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18

UGFX_U05	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC= facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UG FX U06	PLMN ref. to:
UGFX_U06	
	TS 124 008, clause 5.2.1,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile group 3
values orign.:	
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGFX_U07	PLMN ref. to:
	TS 124 008, annex H. 5.3
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE
	COMPLETE message indicating cause value #88 " incompatible destination", the
	network transport the cause value to the calling user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UGFX_U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

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UGFX_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC = facsimile G3
values orign.:	
PLMN parameter	GSM-BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful Alternate speech and facsimile group 3

UG AF U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UGAF_U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

UGAF_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UG AF U04	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	

UGAF_U05	PLMN ref. to: TS 124 008, H.1.7 TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

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UGAF_U06	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=Speech
values term.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
Comments:	

UG AF U07	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
PLMN parameter	
values orign.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UG AF U08	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=Speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

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UGAF_U09	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and
	responds with a RELEASE COMPLETE message indicating cause value #21 "call
	rejected", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.

UGAF_U10	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the
	network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=Speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

UGAF_U11	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UG AF U12	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing",
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC = Facsimile G3
Comments:	

UGAF_U13	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.
PLMN parameter	first GSM-BC=speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UG AF U14	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	first GSM-BC=Speech
values term.:	second GSM-BC = Facsimile G3
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

UG AF U15	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after
	being alerted, the network initiate call clearing to the calling user with a DISCONNECT
	message indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=Speech
values orign.:	second GSM-BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.
	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

7.6.2 Test purposes for UMTS-GSM Supplementary services

Supplementary Services

UG xxSSCLIP01	PLMN ref. to:
XX000EII 01	TS 124 008, clause 9.3.23.2,
	TS 123 081
	. 5 . 25 . 5 .
	TS 124 081, clause 1
TSSreference:	UMTS-GSM/Supplementary services/CLIP
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the
	Calling party number and Calling party subaddress information elements are correctly
	delivered to the called (served) user.
PLMN parameter	GSM-BC=I BC ID,
values term.:	Calling party subaddress
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	Calling party number: PI=PA, TON=national/international number, SI=NP,
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)
Comments:	

UGxxSSCLIP02	PLMN ref. to:
	TS 124 008, clause 9.3.23.2
	TS 123 081
	TS 124 081, clause 1
TSSreference:	UMTS-GSM/Supplementary services/CLIP
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	Calling party number: PI=PA SI=NP TON=national/international number,
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)
Comments:	

UGxxSSCLIR01	PLMN ref. to:
	TS 124 008, clause 9.3.23.2
	TS 123 081, clause 2,
	TS 124 081, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/CLIR
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.
PLMN parameter	GSM-BC=G_BC_ID Calling party subaddress
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown
Comments:	

UGxxSSCLIR02	PLMN ref. to:
	TS 124 008, clause 9.3.23.2
	TS 123 081, clause 2
	TS 124 081, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/CLIR
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	The calling user is provided with CLIR permanent mode subscription.
	Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown
values term.:	
Comments:	

UGxxSSCOLP01	PLMN ref. to:	
	TS 124 008, clause 9.3.5.2	
	TS 123 081, clause 3	
	TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary service	es/COLP
PLMN selection	The calling user is provided with CO	LP
criteria orign.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the	
	Connected number and Connected subaddress information elements are correctly	
	delivered to the calling (served) user	
PLMN parameter	GSM-BC= G_BC_ID;	
values orign.:	Connected number PI=PA, SI=NP, TON= national/international number,	
	NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
	Connected subaddress	
PLMN parameter	Connected subaddress	·
values term.:		
Comments:		

UGxxSSCOLP	PLMN ref. to:	
02	TS 124 008, clause 9.3.5.2	
	TS 123 081, clause 3	
	TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/COLP	
PLMN selection	The calling user is provided with COLP	
criteria orign.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and correctly delivered to	
	the calling (served) user.	
PLMN parameter	GSM-BC=G BC ID	
values orign.:	Connected number: SI=NP TON=national/international number, PI=PA,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter	GSM-BC= G_BC_ID,	
values term.:		
Comments:		

UG xxSSCOLR	PLMN ref. to:	
01	TS 124 008, clause 9.3.5.2	
	TS 123 081, clause 3	
	TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/COLR	
PLMN selection	The calling user is provided with COLP	
criteria orign.:		
PLMN selection	COLR	
criteria term.:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter		
values term.:		
Comments:		

UGxxSSCUG01	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG	
PLMN selection	CUG supplementary options: not O	A; not ocb; not Pref. CUG	
criteria orign.:			
PLMN selection	Calling user and called user belong	to the same CUG;	
criteria term.:	CUG supplementary options: IA; no	ot ICB	
Test purpose:	Ensure that when the calling user b	elongs to a CUG with outgoing access is not	
	allowed, not outgoing calls barred within the CUG and not preferential CUG and the		
	called user belongs to the same CUG with incoming access allowed and not incoming		
	calls barred within the CUG, after the receipt of a SETUP message with the Facility IE		
	which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG		
	(SPC), Suppress OA (SOA).		
	The called user receives a SETUP r	nessage with a Facility IE which contains an CUG	
	index associated with the invoked C	eUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-	Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
_	Suppress OA	(SOA)	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invok	e =NotifySS(CUG-Index))	
values term.:		· · · · · · · · · · · · · · · · · · ·	
Comments:			

UGxxSSCUG02	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG	
criteria orign.:		
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	Calling user and called user belong to the same CUG;	
	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

UGxxSSCUG03	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	CUG supplementary options: not C	A; not ocb; not Pref. CUG,
criteria orign.:	the calling user is roaming in a VPL	.MN (Visited PLMN)
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	Calling user and called user belong	to the same CUG;
	CUG supplementary options: IA; no	ot ICB
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

UGxxSSCUG04	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

UGxxSSCUG05	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-GSM/Supplementary_servic	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG suppler	mentary options: OA ;
criteria orign.:	not ocb; not Pref. CUG	-	-
PLMN selection	Calling user and called are subscrib	ed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLI	MN (Visited PLMN);	
	The called user belongs to the sam	e CUG with the following CUG	supplementary
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user to outgoing calls barred within the CUG belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CUOA (SOA). The called user receives a SETUP index associated with the invoked CU	G and not preferential CUG and ming access allowed and not in a SETUP message with the Faul IG Index (CI), Suppress Pref. (Commessage with a Facility IE whice	d the called user ncoming calls barred acility IE which shall CUG (SPC), Suppress
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-		
values orign.:	Suppress Pref		Suppress OA (SOA);
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invok	e =NotifySS(CUG-Index))	
values term.:			
Comments:			

		,	
UGxxSSCUG06	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG,		
	the calling user is roaming in a VPL	_MN (Visited PLMN)	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user I	belongs to a CUG with outgoing access allowed, not	
	outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress		
	OA (SOA)		
	The called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA);		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

UGxxSSCUG07	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the sam	e CUG with the following CUG supplementary
criteria term.:	options: IA; not ICB	
Test purpose:	outgoing calls barred within the CU belongs to the same CUG with incomithin the CUG, after the receipt of contain a ForwardCUG-Info with CUThe called user receives a SETUP index associated with the invoked CUTH below the country of the called user receives a SETUP index associated with the invoked CUTH below to the cut of the called user receives a SETUP index associated with the invoked CUTH below to the cut of th	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

UGxxSSCUG08	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invol	ke =NotifySS(CUG-Index))
values term.:		
Comments:		

UGxxSSCUG09	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
	the calling user is roaming in a VPL	MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invol	<pre><e =notifyss(cug-index))<="" pre=""></e></pre>
values term.:		
Comments:		

UGxxSSCUG10	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to the sam	ne CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. Cl	
PLMN selection	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
criteria term.:		
Test purpose:	not outgoing calls barred within the belongs to the same CUG with incomithin the CUG, after the receipt of contain a ForwardCUG-Info with CUThe called user receives a SETUP index associated with the invoked CUG.	\
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	
values orign.:	Suppress Pre	f. CUG (SPC);
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

UG xxSSCUG11	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection		ne CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. Cl	JG
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	
	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU The called user receives a SETUP index associated with the invoked O	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	
values orign.:	Suppress Pre	f. CUG (SPC);
PLMN parameter	GSM-BC= G_BC_ID	
values term.:	_	
Comments:		

UGxxSSCUG12	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to the sam	ne CUG with the following CUG supplementary
criteria orign.:	options: OA; not ocb; not Pref. Cl	JG,
	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to CUG with	th the following CUG supplementary options: IA; ICB
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user oming access allowed and incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), message without a Facility IE which contains an CUG CUG (normal call).
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

UGxxSSCUG13	PLMN ref. to: TS 123 085 TS 124 085		
TSSreference:	UMTS-GSM/Supplementary_services/CUG		
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; not ocb ; not Pref. CUG		
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.		
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
PLMN parameter values term.:	GSM-BC= G_BC_ID		
Comments:			

UGxxSSCUG14	PLMN ref. to: TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary service	es/CUG
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; not ocb ; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ed to the same HPLMN;
criteria term.:	the called user is roaming in a VPLN	
	The called user belongs to the same options: IA; not ICB	e CUG with the following CUG supplementary
Test purpose:	not outgoing calls barred within the belongs to the same CUG with incor	
PLMN parameter	GSM-BC= G BC ID; ForwardCUG-	Info: Suppress Pref. CUG (SPC);
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

UGxxSSCUG15	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user	
		oming access allowed and not incoming calls barred
		a SETUP message with the Facility IE which shall
	contain a ForwardCUG-Info with, S	
	The called user receives a SETUP	
PLMN parameter		-Info: Suppress Pref. CUG (SPC);
values orign.:		, ,
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:	·	

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UGxxSSCUG16	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-GSM/Supplementary_services/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;
criteria orign.:	not ocb; not Pref. CUG
PLMN selection	The called user is not a CUG subscriber
criteria term.:	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message (normal call).
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);
PLMN parameter	GSM-BC= G_BC_ID
values term.:	
Comments:	

UGxxSSCUG17	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_servic	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sar	me VPLMN (Visited PLMN) of the calling user;
	The called user is not a CUG subs	criber
Test purpose:	not outgoing calls barred within the belongs not to a CUG, after the received	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user eipt of a SETUP message with the Facility IE which ith CUG Index (CI), Suppress Pref. CUG (SPC),
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	-Info: CUG Index (CI);
values orign.:		Suppress Pref. CUG (SPC);
PLMN parameter	GSM-BC= G_BC_ID	
values term.:	_	
Comments:		

UGxxSSCUG18	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-GSM/Supplementary_services/CUG
PLMN selection	The calling user is not member of CUG
criteria orign.:	
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: not IA ;
criteria term.:	not ICB
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".
PLMN parameter	GSM-BC= G_BC_ID
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGxxSSCUG19	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-GSM/Supplementary_services/CUG
PLMN selection	The calling user is not member of CUG,
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the same HPLMN;
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user.
	The called user belongs to CUG with the following CUG supplementary options: not IA ;
	not ICB
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".
PLMN parameter	GSM-BC= G_BC_ID
values orign.:	
PLMN parameter	
values term.:	
Comments:	

LIC MCCCLICOO	PLMN ref. to:
UGxxSSCUG20	
	TS 123 085
	TS 124 085
TSSreference:	UMTS-GSM/Supplementary_services/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: not
criteria orign.:	OA; not ocb; not Pref. CUG
PLMN selection	The called user is not member of CUG
criteria term.:	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "facility rejected ".
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC); Suppress OA (SOA);
PLMN parameter	
values term.:	
Comments:	

UGxxSSCUG21	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	ces/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: not
criteria orign.:	OA; not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	bed to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user is not member of C	SUG
Test purpose:	Ensure that when the calling user	belongs to a CUG with outgoing access is not
		within the CUG and not preferential CUG and the
	called user belongs not to a CUG, after the receipt of a SETUP message with the	
	Facility IE which shall contain a ForwardCUG-Info with	
	CUG Index (CI), Suppress Pref. CL	
	call establishment is not possible a	nd the network initiate call clearing to the calling user
	with cause value #87 "user not a m	ember of CUG".
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	i-Info: CUG Index (CI);
values orign.:	Suppress Pre	f. CUG (SPC);
	Suppress OA	(SOA);
PLMN parameter		·
values term.:		
Comments:		

UGxxSSCUG22	PLMN ref. to: TS 123 085
	TS 124 085
TSSreference:	UMTS-GSM/Supplementary_services/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;
criteria orign.:	not ocb; not Pref. CUG
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary
criteria term.:	options: not IA; ICB
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);
PLMN parameter	
values term.:	
Comments:	

UG xxSSCUG23	PLMN ref. to:	
UGXXSSCUG2S		
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary	
	options: not IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

UG xxSSCUG24	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB;	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	-Info: CUG Index (CI);
values orign.:	Suppress Pre	f. CUG (SPC);
PLMN parameter		
values term.:		
Comments:		

UGxxSSCUG25	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	CUG supplementary options: not C	OA; not OCB; not Pref. CUG
criteria orign.:		
PLMN selection	Calling user and called user belong	to the same CUG;
criteria term.:	CUG supplementary options: not I/	A; not ICB.
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	message with a Facility IE which contains a CUG
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	i-Info: CUG Index (CI).
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invol	ke =NotifySS(CUG-Index))
values term.:		
Comments:		

UGxxSSCUG26	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG
PLMN selection	CUG supplementary options: not O	A; not OCB; not Pref. CUG
criteria orign.:		
PLMN selection	Calling user and called are subscrib	ed to the same HPLMN;
criteria term.:	the called user is roaming in a VPLI	MN (Visited PLMN);
	calling user and called user belong	to the same CUG;
	CUG supplementary options: not IA	ı; not ICB.
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG-	Info: CUG Index (CI).
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:	_	
Comments:		

UGxxSSCUG27	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG	
PLMN selection	CUG supplementary options: not C	A; not OCB; not Pref. CUG	
criteria orign.:	the calling user is roaming in a VPL		
PLMN selection	Calling user and called are subscrib	Calling user and called are subscribed to the same HPLMN;	
criteria term.:		me VPLMN (Visited PLMN) of the calling user;	
	calling user and called user belong	to the same CUG;	
	CUG supplementary options: not I/	A; not ICB.	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC= G_BC_ID; ForwardCUG	-Info: CUG Index (CI).	
values orign.:	_		
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invol	ce =NotifySS(CUG-Index))	
Comments:			

UGxxSSSUB01	PLMN ref. to:	
	TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-GSM/Supplementary_services/SUB	
PLMN selection	SUB	
criteria orign.:		
PLMN selection	The called (served) user is provided with SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called	
	party subaddress is correctly delivered to the called (served) user	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UGxxSSSUB02	PLMN ref. to:	
	TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-GSM/Supplementary_services/SUB	
PLMN selection	SUB	
criteria orign.:		
PLMN selection	SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = bminimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information.	
PLMN parameter	GSM-BC = G_BC_ID, Called party subaddress	
values term.:		
PLMN parameter	GSM-BC = G_BC_ID, Called party subaddress	
values orign.:		
Comments:		

UGxxSSCFU01	PLMN ref. to: TS 124 082, clause 1	
	TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= Yes).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG_xxSSCFU02	PLMN ref. to:	
	TS 124 082, clause 1	
	TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU/UGxxSSCFU02	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= No).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM-BC= G BC ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSSCFB01	PLMN ref. to:
	TS 124 082, clause 2
	TS 123 082, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/CFB
PLMN selection	The user A and the user C are in network N1.
criteria orign.:	
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of
criteria term.:	call diversion" = Yes; "notification to forwarding subscriber" = Yes).
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User B is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.
PLMN parameter	A: ! GSM-BC= G_BC_ID
values orign.:	
PLMN parameter	CFB-NDUB active
values term.:	C: ? GSM-BC= G_BC_ID
Comments:	

UG xxSSCFB02	PLMN ref. to:	
	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary services/CFB	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of	
criteria term.:	call diversion" = No; "notification to forwarding subscriber" = No)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFB-NDUB active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSSCFNRy01	PLMN ref. to:	
	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary services	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria term.:	diversion" = Yes, "notification to forwarding subscriber" = Yes).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User B is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSSCFNRy02	PLMN ref. to:	
	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRy	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria term.:	diversion" = No "notification to forwarding subscriber" = No)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

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UGxxSSCFNRc01	PLMN ref. to:	
	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_service	es/CFNRc
PLMN selection	The user A and the user C are in no	etwork N1.
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = Yes).	
Test purpose:	User A is notified with a FACILITY	B, if detached, the call is forwarded to user C. (Invoke =NotifySS[CFNRy, SS-Notification]) FACILITY IE (Invoke =NotifySS[CFNRy, SS-
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRc active, the user detached	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG xxSSCFNRc02	PLMN ref. to:	
	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary services/CFNRc	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = No).	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C.	
	User A is not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRc active, the user is detached	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG xxSSHOLD01	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved.
PLMN parameter	GSM-BC= G_BC_ID
values orign.:	
PLMN parameter	GSM-BC= G_BC_ID
values term.:	
Comments:	

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UGxxSSHOLD02	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD.
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of
	call hold and that the call can be released from the calling user in the held state.
PLMN parameter	$GSM-BC = G_BC_ID$
values orign.:	
PLMN parameter	GSM-BC = G BC ID
values term.:	
Comments:	

UGxxSSHOLD03	PLMN ref. to: TS 123 083, clause 2 TS 124 083, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/HOLD
PLMN selection criteria orign.:	The calling user is provided with HOLD.
PLMN selection criteria term.:	HOLD
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non ñserved user during the held state.
PLMN parameter values orign.:	GSM-BC = G_BC_ID
PLMN parameter values term.:	GSM-BC = G_BC_ID
Comments:	

UG xxSSHOLD04	PLMN ref. to:	
XXCC110LB04	TS 123 083, clause 2	
	TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection	HOLD	
criteria orign.:		
PLMN selection	The called user is provided with HOLD.	
criteria term.:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of	
	call hold and the call can be retrieved.	
PLMN parameter	GSM-BC = G BC ID	
values orign.:		
PLMN parameter	GSM-BC = G BC ID	
values term.:		
Comments:		

UGxxSSHOLD05	PLMN ref. to:	
	TS 123 083, clause 2	
	TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection	HOLD	
criteria orign.:		
PLMN selection	The called user is provided with HOLD.	
criteria term.:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of	
	call hold and that the call can be released from the called user in the held state.	
PLMN parameter	GSM-BC = G BC ID	
values orign.:		
PLMN parameter	GSM-BC = G BC ID	
values term.:		
Comments:		

UGxxSSHOLD06	PLMN ref. to: TS 123 083, clause 2 TS 124 083, clause 2
TSSreference:	UMTS-GSM/Supplementary_services/HOLD
PLMN selection criteria orign.:	HOLD
PLMN selection criteria term.:	The called user is provided with HOLD.
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñ served user during the held state.
PLMN parameter values orign.:	GSM-BC = G_BC_ID
PLMN parameter values term.:	GSM-BC = G_BC_ID
Comments:	

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UGxxSSCW01	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	UMTS-GSM/Supplementary_services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW.
criteria term.:	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.
PLMN parameter	GSM-BC = G BC ID
values orign.:	
PLMN parameter	GSM-BC = G BC ID
values term.:	
Comments:	

UG xxSSCW02	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	UMTS-GSM/Supplementary_services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW.
criteria term.:	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.
PLMN parameter	$GSM-BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM-BC = G_BC_ID$
values term.:	
Comments:	

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UGxxSSUUS1i01	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that the network can transport a User-user information element included in the
	SETUP message sent from the calling user and delivered in the SETUP message sent
	by the network to the called user.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSUUS1i02	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.
PLMN parameter	BC=GSM-BC=G_BC_ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values term.:	
Comments:	

UG xxSSUUS1i03	PLMN ref. to:
UGXX33UU31IU3	
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user
	information element included in the CONNECT message sent from the called user to the
	calling user.
PLMN parameter	GSM-BC=G BC ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G BC ID UI length = 32
values term.:	
Comments:	

UGxxSSUUS1i04	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID, UI length = 32
values term.:	
Comments:	

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UGxxSSUUS1i05	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values term.:	
Comments:	

UG xxSSUUS1i06	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-GSM/Supplementary_services/UUS1i
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	The requested UUS is not supported in Network B.
	Verify that UUI can be discarded by the network without disrupting normal call handling.
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID UI length = 32
values term.:	
Comments:	

UGxxSSUUS1e01		
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1 e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS not required" the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGxxSSUUS1e02	PLMN ref. to: TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

UGxxSSUUS1e03	PLMN ref. to: TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.: PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGxxSSUUS1e04	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

UG xxSSUUS1e05	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

PLMN ref. to: TS 124 087	
TS 123 087, clause 4.1.2.1,	
UMTS-GSM/Supplementary services/UUS1e	
UUS1e	
UUS1e	
Ensure that after explicit request of UUS1 indicating NUS required", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
GSM-BC=G_BC_ID	
GSM-BC=G_BC_ID	

UGxxSSUUS1e07	PLMN ref. to:	
	TS 124 087	
	TS 123 087, clause 4.1.2.1,	
	5.1.1, annex A	
TSSreference:	UMTS-GSM/Supplementary service	es/UUS1e
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:	_	
Comments:		

UGxxSSUUS1e08	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
	ITU-T Recommendation Q.699	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria orign.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

UGxxSSUUS201	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	UMTS-GSM/Supplementary services/UUS2	
PLMN selection	UUS 2 e	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", the network can	
	transport USER INFORMATION messages between the ALERTING and the CONNECT	
	messages in each direction.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

UG_xxSSUUS202	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " UUS not required ", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from the called user, the served subscriber shall continue with normal call handling.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSUUS203	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	UMTS-GSM/Supplementary services/UUS2
PLMN selection criteria orign.:	UUS2
PLMN selection criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

UGxxSSUUS204	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	UMTS-GSM/Supplementary services/UUS2
PLMN selection criteria orign.:	UUS 2 e
PLMN selection criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required ", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

UGxxSSUUS205	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required ", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UG xxSSUUS206	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary services/UUS2
PLMN selection	UUS2
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G BC ID
values orign.:	
PLMN parameter	GSM-BC=G BC ID
values term.:	
Comments:	

UG xxSSUUS301	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter values orign.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

UGxxSSUUS302	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating
criteria term.:	"UUS not required", if the network does not receive an explicit acceptance or rejection
	in the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
Test purpose:	
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UG xxSSUUS303	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS required", the network can transport USER INFORMATION messages in both directions
	during the Active state of the call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UG xxSSUUS304	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS
	required", if the network does not receive an explicit acceptance or rejection in the
	CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSUUS305	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during the active call state indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSUUS306	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	UMTS-GSM/Supplementary_services/UUS3
PLMN selection criteria orign.:	UUS3
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "UUS not required", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

UGUxxSSECT01	PLMN ref. to: TS 124 008
TSSreference:	GSM-ISDN/Supplementary services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state $\tilde{\mathbf{n}}$ Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGUxxSSECT02	PLMN ref. to:
	TS 124 008
TSSreference:	GSM-ISDN/Supplementary_services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call sate and the call A-C is in the Active call state ñ Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGU xxSSECT03	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-GSM/Supplementary services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user
	C are in network N2.
	Ensure that when user A invokes ECT in which the call A-B is in the Active call state ñ
	Call Held auxiliary state and the call A-C is in the Call Delivered State a connection
	between user B and user C is established and the calls A-B and A-C are released. When
	network C receives a CONNECT message from user C, network C shall proceed with
	the basic call procedure for the user C.
	The call clearing procedure of the B-C connection is performed from user B.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGUxxSSECT04	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-GSM/Supplementary services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state and the call A-C is in the Call Delivered State-Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSMPTY01	PLMN ref. to:		
	TS 122 084,TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C.		
	User A is terminating the entire multi party call.		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls		
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a		
	multi party call. User A is terminating the entire multi party call.		

UGxxSSMPTY02	PLMN ref. to:		
	TS 122 084, TS 123 084		
TSSreference:	UMTS-GSM/Supplementary services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and release the		
	remote party C. The call clearing procedure to user B is performed from user A.		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.		

UGxxSSMPTY03	PLMN ref. to:		
	TS 122 084, TS 123 084		
TSSreference:	UMTS-GSM/Supplementary services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C.		
	Afterwards the remote party C disconnects itself from the call. The call clearing		
	procedure to user B is performed from user A.		
PLMN parameter	GSM-BC=G BC ID		
values orign.:			
PLMN parameter	GSM-BC=G BC ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls		
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a		
	multi party call.		

UGxxSSMPTY04	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and us	ser C and separate the	
	remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY		
	HELD). User A terminates the multi-party call and the single active	e call.	
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call he	old. Then user A calls	
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY requ	uest which indicates to	
	the network that the mobile subscriber wishes all his calls to be co	nnected together in a	
	multi party call.		
	To separate the remote user B from the MPTY, the served mobile		
	message to the network. The network will send normal CallOnHol	d notifications to the	
	remote parties on hold in the MPTY call.		

UGxxSSMPTY05	PLMN ref. to:			
	TS 122 084			
	TS 123 084			
TSSreference:	UMTS-GSM/Supplementary_service	es/MPTY		
PLMN selection	MPTY			
criteria orign.:				
PLMN selection	MPTY			
criteria term.:				
Test purpose:	User A is in network N1. User B and	l user C are in network N2.		
	Ensure that the user A can establish	Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B			
	ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B			
	ACTIVE call.			
PLMN parameter	GSM-BC=G_BC_ID			
values orign.:				
PLMN parameter	GSM-BC=G_BC_ID			
values term.:				
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls			
	user C. After call establishment user A invokes the MPTY service by sending a			
	FACILITY message to the network containing the BuildMTPY request which indicates to			
	the network that the mobile subscriber wishes all his calls to be connected together in a			
	multi party call.			
	To separate the remote user B from	the MPTY, the served mobile will send a SplitMPTY		
	message to the network. The network will send normal CallOnHold notifications to the			
	remote parties on hold in the MPTY	call.		

UG xxSSMPTY06	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B		
	ACTIVE/MPTY HELD). User B is clearing the A-B Active call.		
	After the completion of the Retrieve function user A terminates the multi-party call with C.		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.		
	User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.		

UGxxSSMPTY07	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B		
	ACTIVE/MPTY HELD). User C is clearing the MPTY held call.		
	User B is clearing the A-B Active call.		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls		
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a		
	multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY		
	message to the network. The network will send normal CallOnHold notifications to the		
	remote parties on hold in the MPTY call.		
	User C is clearing the MPTY held call. User B is clearing the A-B Active call.		

UGxxSSMPTY08	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_service	es/MPTY	
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.		
PLMN parameter values orign.:	GSM-BC= G_BC_ID		
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:	user C. After call establishment user FACILITY message to the network the network that the mobile subscrimulti party call. To separate the remote user B from message to the network. The network remote parties on hold in the MPTY User A invokes the MPTY service be containing the BuildMTPY requests.	by sending a FACILITY message to the network which indicates to the network that the mobile active call and the held MPTY together in a multi	

UGxxSSMPTY09	PLMN ref. to:	
	TS 122 084	
	TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria orign.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A December 2018.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

UGxxSSMPTY10	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B		
	ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD-		
	REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is		
	an active connection (A-C) and the A-B call has an Active-Held connection. (A-B		
	HELD/MPTY ACTIVE).		
	User C is terminating the multi party call. After the completion of the Retrieve function		
	concerning the A-B Active-Held call, user A is clearing the A-B connection.		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC= G_BC_ID		
values term.:			
Comments:			

an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		T		
TS 123 084 TSSreference: UMTS-GSM/Supplementary_services/MPTY PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	UGxxSSMPTY11	PLMN ref. to:		
TSSreference: UMTS-GSM/Supplementary_services/MPTY PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		TS 122 084		
PLMN selection criteria orign.: PLMN selection criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		TS 123 084		
criteria orign.: PLMN selection criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	TSSreference:	UMTS-GSM/Supplementary_service	es/MPTY	
PLMN selection criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	PLMN selection	MPTY		
Criteria term.: Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	criteria orign.:			
Test purpose: User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	PLMN selection	MPTY		
Ensure that the user A can establish a MPTY call to user B and user C and Separate th remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	criteria term.:			
remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID	Test purpose:			
HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		· ·		
connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID				
After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		,		
an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID				
HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID		After the completion of the Retrieve function concerning the MPTY call, the MPTY call is		
User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID				
concerning the A-B Active-Held call, user B is clearing the A-B connection. PLMN parameter GSM-BC= G_BC_ID				
PLMN parameter GSM-BC= G_BC_ID				
· · · · · · · · · · · · · · · · · · ·		concerning the A-B Active-Held call	, user B is clearing the A-B connection.	
	PLMN parameter	GSM-BC= G_BC_ID		
values orign.:	values orign.:			
PLMN parameter GSM-BC= G_BC_ID		GSM-BC= G_BC_ID		
values term.:	values term.:			
Comments:	Comments:			

UGxxSSCBS01	PLMN ref. to: TS 123 088		
TSSreference:	UMTS-GSM/Supplementary services/Call barring service		
PLMN selection	The calling user activates Barring of Outgoing international		
criteria orign.:			
PLMN selection			
criteria term.:			
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.		
PLMN parameter	GSM-BC=G_BC_ID		
values orign.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

UG xxSSCBS02	PLMN ref. to:
	TS 123 088
TSSreference:	UMTS-GSM/Supplementary services/Call barring service
PLMN selection	
criteria orign.:	
PLMN selection	The PLMN supports barring of all incoming calls (BAIC).
criteria term.:	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.
PLMN parameter	GSM-BC= G_BC_ID
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UGxxSSCBS03	PLMN ref. to: TS 123 088	
TSSreference:	UMTS-GSM/Supplementary services/Call barring service	
PLMN selection	Sim S delin, supplementally_solvinos, saining solvinos	
criteria orign.:		
PLMN selection	The Network B supports barring of all incoming calls (BAIC) and barring of incoming	
criteria term.:	calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke = NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	neter GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UG xxSSCCBS01	PLMN ref. to:
UGxxSSCCBS01	EN 300 646, clause 6.1.1.14
	TS 124 093
TSSreference:	
PLMN selection	UMTS-GSM/Supplementary_services/CCBS
	DLE is supporting the CCBS supplementary service
criteria orign.:	015: " " 0000
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.
criteria term.:	F
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	004 00 0 00 10
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT
	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=
	CCBSPossible) on receipt of a RELEASE message with a FACILITY information
	element indicating CCBSRequest invoke component including the
	AccessRegisterCCEntry,
	The network sends a RELEASE COMPLETE message containing a Facility information
	element with a CCBS Request return result component including the CCBS Index and
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network.
	The network shall then send a CC ESTABLISHMENT message to MS A which shall
	include the Setup container.
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)
	and Low Level Compatibility (LLC) information within the Setup container.
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it
	shall send a RECALL message to MS A, which contains information to be presented to
	the subscriber.
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the
	SETUP message.
	MSC A shall maintain the RR connection with MS A throughout the time when
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the
	network moves to call state N01.

M	S A NETWORK SETUP
	(Bearer capability, CC capabilities, Called party BCD number)
	DISCONNECT <
	((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)
	RELEASE
-	Facility (Invoke = AccessRegisterCCEntry)
	RELEASE COMPLETE
•	Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (See Note 5)
<	NETWORK RR CONNECTION ESTABLISHED
<	CM SERVICE PROMPT
_	START CC>
	CC ESTABLISHMENT
<	(Setup container)
	CC ESTABLISHMENT CONFIRMED
-	(BC"(s)),
	RECALL
Fac	cility (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode Alerting Pattern))
	SETUP
	·

UG xxSSCCBS02	PLMN ref. to:	
UGxxSSCCBS02		
	EN 300 646, clause 6.1.1.14 TS 124 093	
Teeroforonoo		
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:	GSM-LLC=G_LLC_ID	
	GSM-HLC=G_HLC_ID	
	Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility	
	(LLC) information within the Setup container.	
	G_BC_ID_CONT	
	G LLC ID CONT	
	G HLC ID CONT	
	Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility	
	(LLC) information within the CC ESTABLISHMENT CONFIRMED message	
	G BC ID CC E C	
	IGĪLLĒ IDĪ CĒ Ē C	
	G HLC ID CC E C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT	
	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=	
	CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination B becomes free the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	
	The MS is modifying the Bearer Capability (BC), High Level Compatibility (HLC) and	
	Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it	
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber.	
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the	
	SETUP message.	
	MSC A shall maintain the RR connection with MS A throughout the time when	
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	
	network moves to call state N01.	
	metwork moves to can state 1901.	

Values for test purpose Gl xx	SSCCBS02
VA_01	GSM-BC=Speech
	G BC ID CONT = speech
	G BC ID CC E C = speech
	G HLC ID CC E C= telephony
VA_02	GSM-BC=Speech
	GSM-HLC= telephony
	G_BC_ID_CONT = speech
	G_HLC_ID_CONT= telephony
	G_BC_ID_CC_E_C = speech
	G_LLC_ID_CC_E_C = 3,1 kHz audio
	G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN
	G_BC_ID_CONT = 3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3
	G_BC_ID_CONT = facsimile G3
	G_BC_ID_CC_E_C = facsimile G3
	G HLC ID CC E C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3
	G_HLC = Facsimile G2/G3
	G_BC_ID_CONT = facsimile G3
	G_HLC_ID_CC_E_C = Facsimile G2/G3
	G_BC_ID_CC_E_C = facsimile G3

UGxxSSCCBS03	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary_service	
PLMN selection	DLE is supporting the CCBS supple	ementary service
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supple	ementary service. MS A is idle.
criteria term.:		
Test purpose:	received and the CCBS Call Set-up call with a ALERTING message.	oceeding call state (the CCBS Recall message was was sent) and when user B has responded to the message. Normal call handling continues.
PLMN parameter	GSM-BC=G BC ID	<u> </u>
values orign.:		
PLMN parameter	GSM-BC=G BC ID	
values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	

UGxxSSCCBS04	PLMN ref. to: EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) and when user B has responded to the call with a CONNECT message. The MS A receives an CONNECT message. Normal call handling continues.	
PLMN parameter	BC=I_BC_ID	
values orign.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	GSM-BC=G_BC_ID The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives	

UG xxSSCCBS05	PLMN ref. to:
	EN 300 646, clause 6.1.1.14
TSSreference:	UMTS-GSM/Supplementary services/CCBS
PLMN selection	DLE is supporting the CCBS supplementary service
criteria orign.:	
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.
criteria term.:	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the
	CCBS Recall and release the existing call.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UG xxSSCCBS06	PLMN ref. to:
	EN 300 646, clause 6.1.1.14
TSSreference:	UMTS-GSM/Supplementary_services/CCBS
PLMN selection	DLE is supporting the CCBS supplementary service
criteria orign.:	
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.
criteria term.:	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the
	CCBS Recall and put the existing call on hold.
PLMN parameter	GSM-BC=G_BC_ID
values orign.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

UGxxSSCCBS07	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.3	
TSSreference:	GSM-ISDN/Supplementary_services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate a specific CCBS request	
PLMN parameter	GSM-BC=G BC ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To desactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

UGxxSSCCBS08	PLMN ref. to: EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.4	
TSSreference:	UMTS-GSM/Supplementary services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state). The user can deactivate outstanding CCBS requests.	
PLMN parameter	GSM-BC=G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UGxxSSCCBS09	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14		
	TS 124 093, clause 4.2		
TSSreference:	UMTS-GSM/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.		
PLMN parameter	GSM-BC=G BC ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.		

PLMN ref. to:		
EN 300 646, clause 6.1.1.14		
TS 124 093, clause 4.2		
UMTS-GSM/Supplementary_services/CCBS		
DLE is supporting the CCBS supplementary service		
OLE is supporting the CCBS supplementary service. MS A is idle.		
Ensure that when the subscriber A explicitly rejects the CCBS Recall.		
The MS sends a RELEASE COMPLETE message.		
GSM-BC=G BC ID		
When CCBS is allowed the network shall give subscriber A the option of activating a		
CCBS Request.		
The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or		
cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is		
Possible and allowed actions indicating CCBS is Possible. The network starts the		
retention timer T1 when it sends the DISCONNECT message.		
If the subscriber A does not accept CCBS activation, the MS shall send normal		
RELEASE message and the network shall stop T1 and continue normal call clearing. If		
the timer T1 expires before the RELEASE message is received from the MS, the		
network shall continue normal call clearing.		

Interactions

UG xxSICFU CLIP	PLMN ref. to:	
COLP01	TS 124 082, clause 1	
_	TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU	
PLMN selection	User A is provided with CLIP and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= Yes).	
	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG xxSSCFU CLI	PLMN ref. to:		
P COLP02	TS 124 082, clause 1		
_	TS 123 082, clause 1		
TSSreference:	UMTS-GSM/Supplementary services/CFU/UG xxSSCFU02		
PLMN selection	User A is provided with CLIR and COLP.		
criteria orign.:	·		
PLMN selection	The user B is in network N2 provided with CFU("o	calling user is notified of call diversion"	
criteria term.:	= No).		
	User C is provided with COLR and CLIP.		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFUactive		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

UGxxSICFB_CLIP	PLMN ref. to:		
_COLP01	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	UMTS-GSM/Supplementary_service	es/CFB	
PLMN selection	User A is provided with CLIP and C	OLP.	
criteria orign.:			
PLMN selection		provided with CFB- NDUB ("calling user is notified of	
criteria term.:	call diversion" = Yes; "notification to	o forwarding subscriber" = Yes).	
	User C is provided with CLIP		
Test purpose:		user B, the call is forwarded to user C.	
		vith a FACILITY (Invoke =NotifySS[CFU, SS-	
	Notification]) message, and the presentation of the diverted-to number is allowed		
	accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered sta	te (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annour	ncement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.		
PLMN parameter	A: ! GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter	CFB-NDUB active		
values term.:	C: ? GSM-BC= G_BC_ID		
Comments:			

UGxxSICFB_CLIP	PLMN ref. to:	
_COLP02	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_service	es/CFB
PLMN selection	User A is provided with CLIR and C	OLP.
criteria orign.:		
PLMN selection	The user B is in network N2 and is p	provided with CFB- NDUB ("calling user is notified of
criteria term.:	call diversion" = No ; "notification to	forwarding subscriber" = No)
	User C is provided with COLR and	CLIP.
Test purpose:	User C is provided with COLR and CLIP. Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFB-NDUB active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG xxSICFNRy CL	PLMN ref. to:			
IP COLP01	TS 124 082, clause 3			
-	TS 123 082, clause 3			
TSSreference:	UMTS-GSM/Supplementary_service	es		
PLMN selection	User A is provided with CLIP and C	OLP.		
criteria orign.:				
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call		
criteria term.:	diversion" = Yes, "notification to for	warding subscriber" = Yes).		
	User C is provided with CLIP.			
Test purpose:		B, if unanswered, the call is forwarded to user C.		
		vith a FACILITY (Invoke =NotifySS[CFNR, SS-		
	Notification]) message, and the presentation of the diverted-to number is allowed			
	accordance with the COLR supplementary service of the diverted-to user.			
		User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call			
	diversion.			
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
	performed correctly.			
PLMN parameter	A: ! GSM-BC= G_BC_ID			
values orign.:				
PLMN parameter	CFNRy active			
values term.:	C: ? GSM-BC= G_BC_ID			
Comments:				

UGxxSSCFNRy_C	PLMN ref. to:	
LIP_COLP02	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_service	es/CFNRy
PLMN selection	User A is provided with CLIR and CO	OLP.
criteria orign.:		
PLMN selection		provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = No "notification to forwa	
	User C is provided with COLR and C	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.	
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G BC ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSICFNRc_CL	PLMN ref. to:	
IP_COLP01	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services	s/CFNRc
PLMN selection	User A is provided with CLIP and COI	LP.
criteria orign.:		
PLMN selection	The user B is in network N2 and is pro	ovided with CFNRc ("calling user is notified of call
criteria term.:	diversion" = Yes).	
	User C is provided with CLIP.	
Test purpose:		, if detached, the call is forwarded to user C.
		n a FACILITY (Invoke =NotifySS[CFU, SS-
		ntation of the diverted-to number is allowed
	accordance with the COLR supplement	ntary service of the diverted-to user.
	User B is notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call	
	diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N1	10) the voice/data transfer on the B-channels is
	performed correctly.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRc active, the user detached	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSICFNRc_CL	PLMN ref. to:	
IP COLP02	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRc	
PLMN selection	User A is provided with CLIR and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = No).	
	User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call	
	diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM-BC= G BC ID	
values orign.:		
PLMN parameter	CFNRc active, the user is detached	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UG xxSICUG CFU	PLMN ref. to:	
01	TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_service	es/CUG_CFU
PLMN selection	User A belongs to a CUG with the fo	ollowing CUG supplementary options:
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection	User B and C belongs to the same (
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG	
	User B is provided with CFUand has an active call forwarding to C.	
	User C has the following CUG supplementary options: not IA, not ICB	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G_BC_ID	
values term.:		
Comments:		

UGxxSICUG_CFU	PLMN ref. to:		
02	TS 122 085		
TSSreference:	UMTS-GSM/Supplementary_service	s/CUG_CFU	
PLMN selection		llowing CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection		th the following CUG supplementary options: not	
criteria term.:	OA; not ocb; not Pref. CUG		
	User B is provided with CFUand has an active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to		
	the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

UG xxSICUG CFU	PLMN ref. to:	
03	TS 122 085	
TSSreference:	UMTS-GSM/Supplementary services/CUG CFU	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection	User B belongs to the same CUG with the following CUG supplementary options: OA ;	
criteria term.:	not ocb; not Pref. CUG	
	User B is provided with CFUand has an active call forwarding to C.	
	User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to	
	the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UG xxSICUG CFU	PLMN ref. to:		
04	TS 122 085		
TSSreference:	UMTS-GSM/Supplementary services/CUG CFU		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria orign.:	OA; not ocb; not Pref. CUG.		
PLMN selection	User B belongs to the same CUG.		
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.		
	User B is provided with CFU and has active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to		
	the calling user A with cause value #8	37 "user not member of CUG".	
PLMN parameter	GSM-BC= G_BC_ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

UG xxSICUG CFU	PLMN ref. to:	
05	TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	OA; not ocb; not Pref. CUG.	
PLMN selection	User B and C belong to the same CUG.	
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.	
	User B is provided with CFUand has active call forwarding to C.	
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.	
PLMN parameter	GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	GSM-BC= G BC ID	
values term.:		
Comments:		

UGxxSICFB_CW0	PLMN ref. to:	
1	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB_CW	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria term.:	diversion" = Yes;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	B: CFB-UDUB, CW active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

UGxxSICFB_CW0	PLMN ref. to:	
2	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB_CW	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria term.:	diversion" = No) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM-BC= G_BC_ID	
values orign.:		
PLMN parameter	B: CFB-UDUB, CW active	
values term.:	C: ? GSM-BC= G_BC_ID	
Comments:		

7.6.3 Short message service

7.6.3.1 Short message service point to point on CS mode

UGPP_CS_01	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.
PLMN parameter	GSM-TS = Short Message MO ñ PP
values orign.:	·
PLMN parameter	GSM-TS = Short Message MT ñ PP
values term.:	
Comments:	

UG PP CS 02	PLMN ref. to:	
	TS 124 011	
TSSreference:	UMTS-GSM/Basic call/Successful/Short message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter	GSM - TS = Short Message MT ñ PP	
values term.:		
Comments:	The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM to MS A.	
	MT The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSsauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UGPPCS_03	PLMN ref. to:	
	TS 124 011	
TSSreference:	UMTS-GSM/Basic call/Successful/Short message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call	
	(Active State).	
PLMN parameter	GSM - TS = Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM - TS = Short Message MT ñ PP	
values term.:		
Comments:		

UGPP_CS_04	PLMN ref. to: TS 124 011	
TSSreference:	UMTS-GSM/Basic call/Successful/Short message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM to MS A.	
	MT The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UG PP CS 05	PLMN ref. to:	
<u> </u>	TS 124 011	
TSSreference:	UMTS-GSM/Basic call/Successful/Short message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both	
	the MSs are involved in an active call (Active State N 04)	
	Verify that the MS A is capable of simultaneously receiving a network originated SM	
	whilst sending a mobile originated SM.	
	Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter	GSM-TS= Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM-TS= Short Message MT ñ PP	
values term.:		
Comments:	MO	
	The MS A shall be in MM-state "Idle, updated".	
	A data or speech call is established with the SS and the state N04 of call control is	
	entered.	
	The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE	
	REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the	
	CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-	
	ACK message within TC1M followed by a CP-DATA message containing the correct RP-	
	ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then	
	the SS sends a channel release message to the UE.	
	Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM	
	to MS A.	
	MT	
	The MS B shall be in MM-state "Idle, updated".	
	A data or speech call is established on a DTCH with the SS and the state N04 of call	
	control is entered. The SS sends a CP-DATA message. The information element of the	
	CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a	
	CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates	
	RRC Connection release	
	INDO CONTRECTION TELEGISE	
	For the mobile originated short message is used the Maximum length (characters)	
	if or the mobile originated short message is used the maximum length (characters)	

LIC DD CC 0C	DI MAI not to.	
UGPP_CS_06	PLMN ref. to:	
	TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10). Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:		

UG PP CS 07	PLMN ref. to:	
	TS 124 011	
TSSreference:	UMTS-GSM/Basic call/Successful/Short message	
PLMN selection	SMS	
criteria orign.:		
PLMN selection	SMS	
criteria term.		
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the	
	MSs are in the Idle state .	
	The test also verifies that the MS A is able to correctly send and MS B is able to correctly	
	receive multiple short messages on the same or several MM connection	
PLMN parameter	GSM - TS = Short Message MO ñ PP	
values orign.:		
PLMN parameter	GSM - TS = Short Message MT ñ PP	
values term.:		
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG PP CS 08	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the Idle state . The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	GOW - 10 = SHOIL Wessage WIT HEF
Comments:	For the mobile originated short message is used the Maximum length (characters).

HO DD 00 00	DI MNI nef to:
UGPP_CS_09	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	MSs involved are in the Active call state.
	The test also verifies that MS A is able to correctly send and MS B to receive multiple
	short messages on the same or several MM connection.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The call clearing is continued in parallel to the following exchange of messages related
	to SMS.
	SMS messages are stored in the USIM and/or the ME.
	For the mobile originated short message is used the Maximum length (characters).

UGPP_CS_10	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	MSs involved are in the Active call state .
	The test also verifies that MS A is able to correctly send and MS B to receive multiple
	short messages on the same MM connection.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The call clearing is continued in parallel to the following exchange of messages related
	to SMS.
	SMS messages are stored in the USIM and/or the ME.
	For the mobile originated short message is used the Maximum length (characters).

110 DD 00 44	DI MAI not to
UGPPCS_11	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that
	when MS-B becomes reachable, it shall receive the Short Message from the network.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	MS - B is detached when the Short Message is sent.

110 BB 00 10	DI SAN LAGO
UGPPCS_12	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.

7.6.3.2 Short message service point to point on PS mode

UG PP PS 01	PLMN ref. to:
UGPPPS_01	
	TS 124 011
TSSreference:	UMTS-GSM/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters).

UG PP PS 02	PLMN ref. to:
0411_10_02	TS 124 011
TSSreference:	UMTS-GSM/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs.
	Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.
	Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters).

110 BB B0 00	Diagna C.
UGPPPS_03	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs.
	Verify that MS A and MS B are capable of simultaneously receiving a network originated
	SM whilst sending a mobile originated SM.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters).

UGPP_PS_04	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the
	MSs are in the Idle state.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters).

UG PP PS 05	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-GSM/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP
	context is in progress.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters).

7.6.3.3 Short message service cell broadcast

UGUCB01	PLMN ref. to:
	TS 124 011
TSSreference:	GSM ñUMTS/Short message
PLMN selection	
criteria orign.:	
PLMN selection	SMS-CB
criteria term.	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "Idle, updated".
PLMN parameter	
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ CB
values term.:	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH
	The network has to be cofigurated to send an SMS CB with defined text on a defined
	channel.

UGU CB 02	PLMN ref. to:		
	TS 124 011		
TSSreference:	GSM ñ UMTS/Short message		
PLMN selection			
criteria orign.:			
PLMN selection	SMS - CB		
criteria term.			
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".		
PLMN parameter			
values orign.:			
PLMN parameter	GSM - TS = Short Message MT ñ CB		
values term.:			
Comments:	Three Cell Broadcast (CB) messages are sent by the SSon the CBCH.		
	The network has to be cofigurated to send an SMS CB with defined text on a defined		
	channel.		

7.7 Test purposes for UMTS-UMTS

7.7.1 Test purposes for UMTS-UMTS, Basic call

In the following UMTS-UMTS Tests are used two configurations.

- At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.
- At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.7.1.1 Successful

Successful	
Speech	

UUSP01	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2		
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech		
PLMN selection criteria orign.:	TS 11		
PLMN selection criteria term.:	TS 11		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter values orign.:	GSM - BC = speech, no HLC		
PLMN parameter values term.:	GSM - BC = speech, no HLC		
Comments:			

UU SP 02	PLMN ref. to:		
	TS 124 008, clause 5.2.1		
	TS 129 007, clause 10.2.1		
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech		
PLMN selection	TS 11		
criteria orign.:			
PLMN selection	TS 11		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	GSM - BC = speech, no HLC		
values orign.:			
PLMN parameter	GSM - BC = speech, no HLC		
values term.:			
Comments:			

UUSP03	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8		
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech		
PLMN selection criteria orign.:	TS 11		
PLMN selection criteria term.:	TS 11		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter values orign.:	GSM - BC = speech, HLC = telephony		
PLMN parameter values term.:	GSM - BC = speech, HLC = telephony		
Comments:			

UUSP04	PLMN ref. to:		
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2		
	TS 122 003, clause 6		
	TS 127 001, annex B.2.8		
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech		
PLMN selection	TS 11		
criteria orign.:			
PLMN selection	TS 11		
criteria term.:			
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	GSM - BC = speech, HLC = telephony		
values orign.:			
PLMN parameter	GSM - BC = speech, HLC = telephony		
values term.:			
Comments:			

Successful 3,1 kHz audio, ex PLMN

UUAU01	PLMN ref. to:		
	TS 124 008, clause 5.2,		
	clause 5.4		
	TS 129 007, clause 10.2		
TSSreference:	UMTS-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN		
PLMN selection	Audio		
criteria orign.:			
PLMN selection	Audio		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
values orign.:			
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
values term.:			
Comments:			

UU AU 02	PLMN ref. to:		
	TS 124 008, clause 5.2.1,		
	clause 5.4		
	TS 129 007, clause 10.2		
TSSreference:	UMTS-UMTS/Basic call/Successful/3,1 kHz audio, ex PLMN		
PLMN selection	Audio		
criteria orign.:			
PLMN selection	Audio		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
Comments:			

UUAU_03	PLMN ref. to:		
	TS 124 008, clause 5.2.1		
	TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2		
TSSreference:	UMTS-UMTS/Basic call/Successful/3,1 kHz audio, ex PLMN		
PLMN selection	Audio		
criteria act:			
PLMN selection	Audio		
criteria term.:			
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	no LLC		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	no LLC		
Comments:			

UU AU 04	PLMN ref. to:			
	TS 124 008, clause 5.2			
	TS 129 007, clause 10.2			
	TS 127 001, annex B.1.2, B.2.2			
TSSreference:	UMTS-UMTS/Basic call/Successful/3,1 kHz audio ex PLMN			
PLMN selection	Audio			
criteria orign.:				
PLMN selection	Audio			
criteria term.:				
Test purpose:	Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
	synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is			
	correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem,			
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is			
	correctly delivered to the called user.			
	In the active call state (N10) ensure that the data transfer on the traffic channels is			
	performed correctly.			
	The call clearing procedure is performed from the called user.			
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if			
	tones/announcement are applied.			
	Ensure that in the active call state (N10) the data transfer on the traffic channels is			
DI MAN	performed correctly.			
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
values orign.:	synchronous/asynchronous mode: MODE			
	user rate: G_USER_RATE			
	LLC = 3,1 kHz audio, voice band data via modem,			
	synchronous/asynchronous mode: MODE			
DI MAL	user rate: USER_RATE			
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
values term.:	synchronous/asynchronous mode: MODE			
	user rate: G_USER_RATE			
	LLC = 3,1 kHz audio, voice band data via modem,			
	synchronous/asynchronous mode: MODE user rate: USER_RATE			
Comments:	useriale, USEN_NATE			
Comments.	I			

Values for test purposes UU	AU_03; UU_	AU04;	
VA_01			r criteria: synchronous mode, BS 31
			synchronous
			ATE: 1,2 kbit/s
			R RATE: 1,2 kbit/s
VA_02			n criteria: synchronous mode, BS 32
			synchronous
			ATE: 2,4kbit/s
			R_RATE: 2,4 kbit/s
VA_03			n criteria: synchronous mode, BS 33
			synchronous
			ATE: 4,8 kbit/s
			R_RATE: 4,8 kbit/s
VA_04			n criteria: synchronous mode, BS 34
			synchronous
			ATE: 9,6 kbit/s
			R_RATE: 9,6 kbit/s
VA_05			r criteria: asynchronous mode, BS 21
			asynchronous
			ATE: 0,3 kbit/s
			R_RATE: 0,3 kbit/s
VA_06			r criteria: asynchronous mode, BS 22
			asynchronous
			ATE: 1,2 kbit/s
			R_RATE: 1,2 kbit/s
VA_07			n criteria: asynchronous mode, BS 24
			asynchronous
			ATE: 2,4kbit/s
			R_RATE: 2,4 kbit/s
VA_08			r criteria: asynchronous mode, BS 25
			asynchronous
			ATE: 4,8 kbit/s
			R_RATE: 4,8 kbit/s
VA_09			n criteria: asynchronous mode, BS 26
			asynchronous
			ATE: 9,6 kbit/s
		G USER	R RATE: 9,6 kbit/s

UUAU05	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1	TS 124 008		
		TS 129 007		
		TS 123 034		
TSSreference:	UMTS-UMTS/Basic call/Successful			
PLMN selection	3,1 kHz			
criteria orign.:				
PLMN selection	3,1 kHz			
criteria term.				
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band			
		chronous mode is set to MODE, fix network user rate		
	set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air			
		E, acceptable channel coding set to TCH_FX_X is		
	correctly mapped to the called user.			
	Ensure that in the active call state (N10) the data transfer on the traffic channels is			
	performed correctly.			
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,			
values orign.:	synchronous/asynchronous mode: MODE			
	fix network user rate: FNU_I	RATE		
	maximum number of traffic channels: No_TCH,			
	air interface user rate: AIU_RATE			
	acceptable channel coding: TCH_FX_X			
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem			
values term.:	synchronous/asynchronous mode: MODE			
	fix network user rate: FN	U_RATE		
Comments:				

UU AU 06	PLMN ref. to:		
	TS 124 008		
	TS 129 007		
	TS 123 034		
TSSreference:	UMTS-UMTS/Basic call/Successful		
PLMN selection	3,1 kHz		
criteria orign.:			
PLMN selection	3,1 kHz		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band		
	data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate		
	set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air		
	interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and		
	the LLC parameter values: 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly mapped and delivered to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values orign.:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
	LLC= 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	LLC= 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
Comments	user rate: USER_RATE		
Comments:			

Values for test purpose UUAU_05 and UU_AU	06
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous
VA_02	USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 3
	AIU_RATE: 14.4 kbit/s
	TCH_FX_X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2 AIU_RATE: 19.2
	TCH FX X: 9.6
VA_04	MODE: synchronous
 -	USER RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_06	MODE: synchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous
***_**	USER RATE: 38.4 kbit/s
	FNU RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8 kbit/s
VA 00	TCH FX X: 9.6
VA_08	MODE: synchronous
	USER_RATE: 56.0 kbit/s FNU RATE: 56.0 kbit/s transparent
	No TCH: 4
	AIU RATE: 57.6
	TCH_FX_X: 14.4
VA_09	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4 AIU_RATE: 57.6
	TCH_FX_X: 14.4
VA_10	MODE: asynchronous
_	USER RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
NA 44	TCH FX X:14.4
VA_11	MODE: asynchronous
	USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
	No TCH: 14.4 kbit/s
	AIU RATE: 14.4
	TCH FX X:14.4
	

Values for test purpose UUAU_05 and UU_AU	_06
VA_12	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4
	AIŪ_RATE: 19,2
	TCH FX X: 4.8
VA_13	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH_FX_X:14.4
VA_14	MODE: asynchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6
VA_15	MODE: asynchronous
	USER_RATE: 33.6 kbit/s
	FNU_RATE: 33.6 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH FX X:9.6
VA_16	MODE: asynchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6

Successful	
UDI	

UUUD01	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS U TS/Basic_call/Successful/UDI	
PLMN selection	UDI	
criteria orign.:		
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - B = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM - B = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30	
Comments:		

UUUD02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-UMTS/Basic call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM - BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
Comments:		

UU UD 03	PLMN ref. to:		
000D_03			
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2		
	TS 127 001, annex B.1.2; B 2.2		
TSSreference:	UMTS-UMTS/Basic call/Successful/UDI		
PLMN selection	UDI		
criteria orign.:			
PLMN selection	UDI		
criteria term.:			
Test purpose:	Ensure that the GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode is set to		
	MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER RATE is		
	correctly delivered to the to the called user.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
	The call clearing procedure is performed from the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM - BC = UDI, V.110/X.30,		
<u> </u>			
values orign.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = UDI, V.110/ \overline{X} .30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC = UDI, V.110/X.30,		
values term.:	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:			

Values for test purpose UI03	
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

	Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	mapped to the called user.		
	user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly		
	to FNU RATE, maximum number of traffic channels set to No TCH, wanted air interface		
	V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set		
Tool parpoos.			
Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI,		
	Engure that the CSM BC with the parameter values information transfer concluity LDI		
criteria term.			
PLMN selection	UDI		
	UDI		
criteria orign.:			
PLMN selection	UDI		
TSSreference:	UMTS-UMTS/Basic_call/Successful		
	1.5.1-5.1-1		
	TS 123 034		
	TS 129 007		
	TS 124 008		
UU DU 04	PLMN ref. to:		

UU DU 05	PLMN ref. to:		
0000	TS 124 008		
	TS 129 007		
	TS 123 034		
TSSreference:	UMTS-ISDN/Basic call/Successful/HSCSD ñ UDI		
PLMN selection	UDI		
criteria orign.:	וטטו		
PLMN selection	UDI		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the LLC parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. In the active call state ensure that the data transfer on the traffic channels are performed correctly.		
PLMN parameter	GSM - BC = UDI, V.110/X.30,		
values orign.:	synchronous/asynchronous mode: MODE		
J	fix network user rate: FNU RATE		
	maximum number of traffic channels: No TCH,		
	air interface user rate: AIU RATE		
	acceptable channel coding: TCH_FX_X		
	LLC = UDI, V.110/X.30,		
	synchronous/asynchronous mode: MODE		
	user rate: USER RATE		
PLMN parameter	GSM - BC = information transfer capability: UDI		
values term.:	rate adaptation: V.110/X.30,		
	synchronous/asynchronous mode: MODE,		
	fix network user rate: FNU RATE		
	LLC = information transfer capability: UDI		
	rate adaptation: V.110/X.30,		
	synchronous/asynchronous mode: MODE,		
	user rate: USER_RATE		
Comments:			

Values for test purpose UU DU 04 and DU HU	05
VA_01	MODE: synchronous
	USER_RATE: 9.6 kbit/s
	FNU_RATE: 9.6 kbit/s
	No_TCH: 3
	AIU_RATE: 14.4 kbit/s
VA 02	TCH FX X: 4.8
VA_02	MODE: synchronous USER RATE: 14.4 kbit/s
	FNU RATE: 14.4 kbit/s
	No TCH: 3
	AIU RATE: 14.4 kbit/s
	TCH FX X: 4.8
VA_03	MODE: synchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 2
	AIU_RATE: 19.2
VA 04	TCH_FX_X: 9.6
VA_04	MODE: synchronous USER RATE: 28.8 kbit/s
	FNU RATE: 28.8 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_05	MODE: synchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 3
	AIU_RATE: 28.8 kbit/s
VA 00	TCH_FX_X: 9.6
VA_06	MODE: synchronous
	USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s
	No TCH: 3
	AIU RATE: 28.8 kbit/s
	TCH FX X: 9.6
VA_07	MODE: synchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIŪ_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous
VA_00	USER RATE: 56.0 kbit/s
	FNU RATE: 56.0 kbit/s transparent
	No TCH: 4
	AIU_RATE: 57.6
	TCH_FX_X: 14.4
VA_09	MODE: synchronous
	USER_RATE: 56.0 kbit/s
	FNU_RATE: 56.0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous
	USER RATE: 9.6 kbit/s
	FNU RATE: 9.6 kbit/s
	No TCH: 1
	AIU_RATE: 14.4
	TCH FX X:14.4
VA_11	MODE: asynchronous
	USER_RATE: 14.4 kbit/s
	FNU_RATE: 14.4 kbit/s
	No_TCH: 1
	AIU_RATE: 14.4
	TCH_FX_X:14.4

Values for test purpose UUDU04 and DUHU	J05
VA_12	MODE: asynchronous
	USER_RATE: 19.2 kbit/s
	FNU_RATE: 19.2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
	TCH FX X: 4.8
VA_13	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28.8
	TCH_FX_X:14.4
VA_14	MODE: asynchronous
	USER_RATE: 32.0 kbit/s
	FNU_RATE: 32.0 kbit/s
	No_TCH: 4
	AIU RATE: 38.8
VA 45	TCH_FX_X:9.6
VA_15	MODE: asynchronous
	USER_RATE: 33.6 kbit/s
	FNU_RATE: 33.6 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
VA 40	TCH FX X:9.6
VA_16	MODE: asynchronous
	USER_RATE: 38.4 kbit/s
	FNU_RATE: 38.4 kbit/s
	No_TCH: 4
	AIU_RATE: 38.8
	TCH_FX_X:9.6

Successful Facsimile group 3

UUFX01	PLMN ref. to:
	TS 124 008, clause 5.2
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.1.1
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM - BC = facsimile G3, no HLC
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UUFX_02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1, B 2.11
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UUFX03	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2
	TS 127 001, annex B.1.11
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.	
PLMN selection	TS 62
criteria orign.	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM - BC = facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM - BC = facsimile G3, no HLC
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

	<u> </u>
UUFX04	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.11,
	B 2.11
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC - IE representing facsimile group 3 is correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to GSM - BC = facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

Successful Alternate speech and facsimile group 3

UUAF01	PLMN ref. to: TS 124 008, clause 5.2.1 TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = facsimile G3, no HLC
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

UUAF02	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

UUAF03	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.
	1
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM - BC = facsimile G3, no HLC
values orign.:	second GSM - BC = G BC ID
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = facsimile G3
Comments:	

UU AF 04	PLMN ref. to:
00AF04	
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM - BC = facsimile G3, no HLC
values orign.:	second GSM - BC = G_BC_ID
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UUAF05	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = facsimile G3, no HLC
PLMN parameter	User A and user B are subscribed to different PLMNs
values term.:	firstGSM-BC=Speech
Comments:	second GSM - BC = facsimile G3, no HLC The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

UUAF06	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = facsimile G3, no HLC
PLMN parameter values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element.

UUAF07	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the called user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if
	tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM - BC = facsimile G3, no HLC
values orign.:	second GSM - BC = G_BC_ID
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = facsimile G3
Comments:	

UUAF08	PLMN ref. to: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria orign.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM - BC = facsimile G3, no HLC
values orign.:	second GSM - BC = G_BC_ID
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UU AF 09	PLMN ref. to:		
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2.2		
	TS 127 001, annex B.1.10		
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3		
PLMN selection	TS 61		
criteria orign.:			
PLMN selection	TS 61		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	firstGSM-BC=Speech		
values orign.:	second GSM - BC = facsimile G3, no HLC		
PLMN parameter	firstGSM-BC=Speech		
values term.:	second GSM - BC = facsimile G3, no HLC		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC		
	stored in the VLR		
	The MODIFY message in not transmitted over the ISUP.		

UUAF10	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	Single numbering Scheme, TS 61	
criteria term.:		
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	firstGSM-BC=Speech	
values orign.:	second GSM - BC = facsimile G3, no HLC	
PLMN parameter		
values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element	
	The MODIFY message in not transmitted over the ISUP.	

UUAF11	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	firstGSM-BC=Speech	
values orign.:	second GSM - BC = facsimile G3, no HLC	
PLMN parameter	firstGSM-BC=Speech	
values term.:	second GSM - BC = facsimile G3, no HLC	
Comments:		

UUAF12	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM - BC = facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	firstGSM-BC=Speech	
values orign.:	second GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter	firstGSM-BC=Speech	
values term.:	second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UUAF13	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2		
TSSreference:	TS 127 001, annex B.1.10 UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3		
PLMN selection	TS 61		
criteria orign.:			
PLMN selection	Single numbering Scheme, TS 61		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	firstGSM-BC=Speech		
values orign.:	second GSM - BC = facsimile G3, HLC = Facsimile G2/G3		
PLMN parameter			
values term.:	T		
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.		

UUAF14	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	firstGSM-BC=Speech	
values orign.:	second GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter	first GSM-BC=speech	
values term.:	second GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UUAF15	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to firstGSM-BC=Speech, second GSM - BC = facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM - BC = GSM - BC = facsimile G3, no HLC	
values orign.:	second speech	
PLMN parameter	firstGSM-BC=Speech	
values term.:	second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC	
	stored in the VLR	
	The MODIFY message in not transmitted over the ISUP.	

UUAF16	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM - BC = facsimile G3, no HLC	
values orign.:	secondGSM-BC=Speech	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
values term.:		
Comments:	The MODIFY message in not transmitted over the ISUP.	

UU AF 017	PLMN ref. to:		
00AI017			
	TS 124 008, clause 5.2		
	TS 129 007, clause 10.2.2		
	TS 127 001, annex B.1.10		
TSSreference:	UMTS-UMTS/Basic call/Successful	UMTS-UMTS/Basic call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61		
criteria orign.:			
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM - BC = facsimile G3, no HLC		
values orign.:	secondGSM-BC=Speech		
PLMN parameter	first GSM - BC = facsimile G3		
values term.:	secondGSM-BC=Speech		
Comments:			

UUAF18	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC = Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM - BC=speech, second GSM - BC = facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM - BC = Facsimile G3, HLC = Facsimile G2/G3	
values orign.:	secondGSM-BC=Speech	
PLMN parameter	firstGSM-BC=Speech	
values term.:	second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UUAF19	PLMN ref. to:	
	TS 124 008, clause 5.2	
	TS 129 007, clause 9.2.2 b	
	10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	Single numbering Scheme, TS 61	
criteria term.:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM - BC = Facsimile G3, HLC = Facsimile G2/G3	
values orign.:	secondGSM-BC=Speech	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
values term.:		
Comments:	The MODIFY message in not transmitted over the ISUP.	

UU AF 20	PLMN ref. to:	
00 <u></u>	TS 124 008, clause 5.2	
	TS 129 007, clause 10.2.2	
	TS 127 001, annex B.1.10	
TSSreference:	,	I/Altawasta anasah and fasainsila CO
		I/Alternate speech and facsimile G3
PLMN selection	TS 61	
criteria orign.:		
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a	
criteria term.:	VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM - BC = GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
values orign.:	second GSM-BC=speech	
PLMN parameter	first GSM - BC = GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
values term.:	secondGSM-BC=Speech	
Comments:		

Successful

Alternate Speech/Data

UUAD01	PLMN ref. to:					
	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, annex B.1.6					
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria act:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.					
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if					
	tones/announcement are applied.					
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR.					

UUAD02	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6			
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data			
PLMN selection criteria act:	BS 61			
PLMN selection criteria term.:	Single numbering Scheme, BS 61			
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values orign.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem			
PLMN parameter				
values term.:				
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.			

UUAD03	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6				
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data				
PLMN selection criteria act:	BS 61				
PLMN selection criteria term.:	BS 61				
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.				
PLMN parameter	firstGSM-BC=Speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem				
PLMN parameter	firstGSM-BC=Speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.				

UUAD04	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6			
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data			
PLMN selection	BS 61			
criteria act:				
PLMN selection	Single numbering Scheme, BS 61			
criteria term.:				
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	firstGSM-BC=Speech			
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem			
PLMN parameter				
values term.:				
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.			

UU AD 05	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, B 1.6				
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria orign.:					
PLMN selection	BS 61				
criteria term.:					
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.				
PLMN parameter	firstGSM-BC=Speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
PLMN parameter	firstGSM-BC=Speech				
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G USER RATE				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC				
	stored in the VLR.				
	The MODIFY message in not transmitted over the ISUP.				

UUAD06	PLMN ref. to: TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6		
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data		
PLMN selection criteria orign.:	BS 61		
PLMN selection criteria term.:	Single numbering Scheme, BS 61		
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call setup to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PLMN parameter	firstGSM-BC=Speech		
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G USER RATE		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.		

UUAD_07	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, B 1.6				
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria:					
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a				
criteria:	VPLMN (Visited PLMN)				
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN				
	(Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator				
	"circular"), the first indicating "speech" and the second indicating the appropriate data				
	service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to				
	MODE, user rate set to USER_RATE are correctly delivered to the called user.				
	Ensure that in the active call state (N10) the data transfer on the traffic channels is				
	performed correctly.				
PLMN parameter	firstGSM-BC=Speech				
values:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
PLMN parameter	firstGSM-BC=Speech				
values:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G USER RATE				
Comments:					

Values for test purposes UUAD_05 to UU_AI	007
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	G USER RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	G USER RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	G USER RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	G_USER_RATE: 9,6 kbit/s

UUAD08	PLMN ref. to:					
	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, B 1.6					
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria orign.:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "circular" are					
	correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped					
	again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band					
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to					
	USER_RATE.					
	Ensure that in the active call state (N10) the data transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G_USER_RATE					
	LLC = 3,1 kHz audio, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: USER_RATE					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G_USER_RATE					
	LLC = 3,1 kHz audio, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: USER_RATE					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR.					
	The MODIFY message in not transmitted over the ISUP.					

UUAD09	PLMN ref. to:				
	TS 124 008, clause 5.2				
	TS 129 007, clause 10.2.2				
	TS 127 001, B 1.6				
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria orign.:					
PLMN selection	Single numbering Scheme, BS 61				
criteria term.:					
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.				
PLMN parameter	firstGSM-BC=Speech				
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: G_USER_RATE				
	LLC = 3,1 kHz audio, voice band data via modem,				
	synchronous/asynchronous mode: MODE				
	user rate: USER_RATE				
PLMN parameter					
values term.:					
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.				
	The MODIFY message in not transmitted over the ISUP.				

UU AD 10	PLMN ref. To:					
CO	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, B 1.6					
TSSreference:	,					
PLMN selection	UMTS-UMTS/Basic call/Successful/Alternate speech and data BS 61					
criteria term.:	B3 01					
***************************************	DO OA LL A L D L II LL II DIANI L DI L I					
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a					
criteria term.:	VPLMN (Visited PLMN)					
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G USER RATE					
	LLC = 3,1 kHz audio, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: USER_RATE					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G USER RATE					
	LLC = 3,1 kHz audio, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: USER_RATE					
Comments:						

Values for test purposes UU_	_AD_	08 to UU	_AD_	_10
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				USER_RATE: 1,2 kbit/s
				G USER RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				USER_RATE: 2,4kbit/s
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				USER_RATE: 4,8 kbit/s
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				USER_RATE: 9,6 kbit/s
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				USER_RATE: 0,3 kbit/s
				G_USER_RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				USER_RATE: 1,2 kbit/s
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				USER_RATE: 2,4kbit/s
111				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				USER_RATE: 4,8 kbit/s
144.00				G_USER_RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				USER_RATE: 9,6 kbit/s
				G USER RATE: 9,6 kbit/s

Successful

Speech followed by data

UUFD01	PLMN ref. To: TS 124 008, clause 5.2.1					
	TS 129 007, clause 10.2.2					
	TS 127 001, B.1.7					
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data					
PLMN selection	BS 81					
criteria orign.:						
PLMN selection	BS 81					
criteria term.:						
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.					
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if					
	tones/announcement are applied.					
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN,					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN,					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR.					

UUFD02	PLMN ref. To: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7		
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data		
PLMN selection criteria orign.:	BS 81		
PLMN selection criteria term.:	Single numbering Scheme, BS 81;		
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	firstGSM-BC=Speech		
values orign.:	second GSM-BC=3,1kHz audio ex PLMN,		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.		

UUFD_03	PLMN ref. To:					
	TS 124 008, clause 5.2.1					
	TS 129 007, clause 10.2.2					
	TS 127 001, B.1.7					
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data/					
PLMN selection	BS 81					
criteria orign.:						
PLMN selection	BS 81					
criteria term.:						
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly					
	when the calling user clears after answer.					
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if					
	tones/announcement are applied.					
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR.					

UUFD04	PLMN ref. To: TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7		
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data/		
PLMN selection criteria orign.:	BS 81		
PLMN selection criteria term.:	Single numbering Scheme, BS 81;		
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	firstGSM-BC=Speech		
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem		
PLMN parameter values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element.		

UUFD05	PLMN ref. To: TS 124 008, clause 5.2						
	TS 129 007, clause 10.2.2						
TSSreference:	TS 127 001, B.1.7, B.2.7.2						
PLMN selection	UMTS-UMTS/Basic call/Successful/Speech followed by data/ BS 81						
criteria orign.:	00 01						
PLMN selection criteria term.:	BS 81						
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.						
PLMN parameter	firstGSM-BC=Speech						
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G USER RATE						
PLMN parameter	firstGSM-BC=Speech						
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,						
	synchronous/asynchronous mode: MODE user rate: G USER RATE						
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.						
	The MODIFY message in not transmitted over the ISUP.						

UUFD_06	PLMN ref. To:					
	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, B.1.7, B.2.7.2					
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data					
PLMN selection	BS 81					
criteria orign.:						
PLMN selection	Single numbering Scheme, BS 81;					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element.					
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.					
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE					
	user rate: G USER RATE					
PLMN parameter values term.:						
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM - BC element.					
	The MODIFY message in not transmitted over the ISUP.					

UUFD07	PLMN ref. to:					
	TS 124 008, clause 5.2					
	TS 129 007, clause 10.2.2					
	TS 127 001, annex B.1.7, B.2.7.2					
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data					
PLMN selection	BS 81					
criteria orign.:						
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a					
criteria term.:	VPLMN (Visited PLMN)					
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.					
PLMN parameter	firstGSM-BC=Speech					
values act:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G_USER_RATE					
PLMN parameter	firstGSM-BC=Speech					
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,					
	synchronous/asynchronous mode: MODE					
	user rate: G_USER_RATE					
Comments:						

Values for test purposes UU_	_FD_	05 to UU	_FD_	_07
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				G_USER_RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				G USER RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				G_USER_RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				G_USER_RATE: 9,6 kbit/s

UU FD 08	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7,
	B.2.7.1,
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	BS 81
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC - les preceded by a repeat indicator "sequential" are
	correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped
	again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band
	data via modem, synchronous/asynchronous mode is set to MODE, user rate set to
	USER_RATE).
	Ensure that in the active call state (N10) the data transfer on the traffic channels is
	performed correctly.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE
DI MANI	user rate: USER_RATE
PLMN parameter	first GSM - BC=speech
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,
	synchronous/asynchronous mode: MODE
	user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE user rate: USER_RATE
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
Comments.	Istored in the VLR.
	The MODIFY message in not transmitted over the ISUP.
L	The moon in meeting in her transmitted ever the foor.

UU FD 09	PLMN ref. to:
	TS 124 008, clause 5.2.1
	TS 129 007, clause 10.2.2
	TS 127 001, annex B.1.7,
	B.2.7.1,
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data
PLMN selection	BS 81
criteria orign.:	
PLMN selection	Single numbering Scheme, BS 81;
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM - BC=speech
values orign.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G USER RATE
	LLC = 3,1 kHz audio, voice band data via modem,
	synchronous/asynchronous mode: MODE user rate: USER_RATE
PLMN parameter values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.

UU FD 10	PLMN ref. to:		
SS	TS 124 008, clause 5.2.1		
	TS 129 007, clause 10.2.2		
	TS 127 001, annex B.1.7,		
	B.2.7.1,		
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria orign.:			
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose: PLMN parameter	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
values origin	synchronous/asynchronous mode: MODE		
	user rate: G USER RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	firstGSM-BC=Speech		
values term.:	second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:			

Values for test purposes UUFD08 to UUFD	_10
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G USER RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G USER RATE: 9,6 kbit/s

7.7.1.2 Unsuccessful

Unsuccessful	
speech	

UU SP U01	PLMN ref. to:	
	TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter		
values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UU SP U02	PLMN ref. to:	
	TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter	GSM - BC = speech	
values term.:		
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

UUSP_U03	PLMN ref. to:	
	TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UUSP_U04	PLMN ref. to:	
	TS 124 008 H.1.7	
	TS 129 002, clause 18.2,	
	clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates	
	call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter		
values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UU SP U05	PLMN ref. to:	
003i _003		
	TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter	GSM - BC = speech	
values term.:		
Comments:		

UUSP_U06	PLMN ref. to:	
	TS 124 008, clause 5.2.1,	
	annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport	
	the cause value to the calling user.	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter	GSM - BC = speech	
values term.:		
Comments:		

UU SP U07	PLMN ref. to:	
003F_007		
	TS 124 008, annex H.5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection	TS 11	
criteria orign.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
PLMN parameter	GSM - BC = speech	
values orign.:		
PLMN parameter	GSM - BC = speech	
values term.		
Comments:		

UU SP U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM - BC = speech
values orign.:	
PLMN parameter	GSM - BC = speech
values term.	
Comments:	

UU SP U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Speech
PLMN selection	TS 11
criteria orign.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM - BC = speech
values orign.:	
PLMN parameter	GSM - BC = speech
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful 3,1 kHz audio ex PLMN

UUAU_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number"
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UU AU U02	PLMN ref. to:
· · · · · · · · · · · · · · · · · · ·	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy". The network transport the cause
	value to the calling user.
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

UU AU U03	PLMN ref. to:
00A0_003	
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UUAU_U04	PLMN ref. to:
	TS 124 008 H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

UU AU U05	PLMN ref. to:
00A0_005	
	TS 124 008, annex H.1.8
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	

UUAU_U06	PLMN ref. to:
	TS 124 008, clause 5.2.2.3.1,
	annex H.1.9
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", . The network transport
	the cause value to the calling user.
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	

UUAU_U07	PLMN ref. to:
	TS 124 008, annex B.3.2, H 5.3
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	

UUAU_U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing",
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	

UU AU U09	PLMN ref. to:
7.0_000	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria orign.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values orign.:	
PLMN parameter	GSM-BC=3,1kHz audio ex PLMN
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful UDI

UU UD U01	PLMN ref. to:
0000_001	
	TS 124 008, annex H.1.1
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	·
PLMN parameter	
values term.:	
Comments:	

UU UD U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy", the network transport the cause
	value to the calling user.
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

UU UD U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

UUUD_U04	PLMN ref. to:
	TS 124 008, annex H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	
values term.:	
Comments:	

LILL LID LIGE	PLMN ref. to:
UUUD_U05	PLIMIN Tel. to.
	TS 124 008, annex H.1.8
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria act:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption
Comments:	

UUUD_U06	PLMN ref. to:
	TS 124 008, clause 5.2.2.3.1,
	annex H.1.9
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values term.:	
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
Comments:	

UU UD U07	PLMN ref. to:
0005_007	TS 124 008, annex H.5.3
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

UU UD U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

UU UD U09	PLMN ref. to:
0005_009	TS 124 008, annex H.1.6
	13 124 006, alliex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/UDI
PLMN selection	UDI
criteria orign.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values orign.:	
PLMN parameter	GSM - BC = UDI with V.110/X.30 rate adaption
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)

Unsuccessful Facsimile group 3

UUFX_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM - BC = facsimile G3, no HLC
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UU FX U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy", the network transport the cause
	value to the calling user.
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy")

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UUFX_U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	

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UUFX_U04	PLMN ref. to:
	TS 124 008, annex H.1.7
	TS 129 002, clause 18.2,
	clause 18.3.2
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18

UUFX_U05	PLMN ref. to:
	TS 124 008, annex H.1.8
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UU FX U06	PLMN ref. to:
	TS 124 008, clause 5.2.1,
	annex H.1.9
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE
	COMPLETE message indicating cause value #21 "call rejected", the network transport
	the cause value to the calling user.
PLMN parameter	GSM - BC = facsimile group 3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UUFX_U07	PLMN ref. to:
	TS 124 008, annex H. 5.3
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UU FX U08	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	

UUFX_U09	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria orign.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM - BC = facsimile G3
values orign.:	
PLMN parameter	GSM - BC = facsimile G3, HLC = Facsimile G2/G3
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful

Alternate speech and facsimile group 3

UUAF_U01	PLMN ref. to:
	TS 124 008, annex H.1.1
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

UUAF_U02	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
Comments:	

UU AF U03	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UU AF U04	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 "user busy".
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	

UUAF_U05	PLMN ref. to: TS 124 008 H.1.7 TS 129 002, clause 18.2,
TSSreference:	clause 18.3.2 UMTS-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria orign.:	
PLMN selection criteria term.:	TS 61
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

UU AF U06	PLMN ref. to:
00AF_000	
	TS 124 008, annex H.1.8
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
Comments:	

UU AF U07	PLMN ref. to:
00AF_007	1
	TS 124 008, annex H.1.8
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
PLMN parameter	
values orign.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UU AF U08	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
Comments:	

IIII AE 1100	DI MILLOCAL
UUAF_U09	PLMN ref. to:
	TS 124 008, clause 5.1,
	annex H.1.9
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and
	responds with a RELEASE COMPLETE message indicating cause value #21 "call
	rejected", the network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.

UUAF_U10	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE
	COMPLETE message indicating cause value #88 "incompatible destination", the
	network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
Comments:	

UUAF_U11	PLMN ref. to:
	TS 124 008, annex H.5.3
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UU AF U12	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing",
	before answer from called user, the network transport the cause value to the called user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
Comments:	

UUAF_U13	PLMN ref. to:
	TS 124 008, annex H.1.5
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

UUAF_U14	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	firstGSM-BC=Speech
values term.:	second GSM - BC = Facsimile G3
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

UU AF U15	PLMN ref. to:
	TS 124 008, annex H.1.6
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after
	being alerted, the network initiate call clearing to the calling user with a DISCONNECT
	message indicating cause value #17 "user busy".
PLMN parameter	firstGSM-BC=Speech
values orign.:	second GSM - BC = Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.
	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

7.7.2 Test purposes for UMTS-UMTS Supplementary services

Supplementary Services

	DI SSN C. C.
UUxxSSCLIP01	PLMN ref. to:
	TS 124 008, clause 9.3.23.2,
	TS 123 081
	TS 124 081, clause 1
TSSreference:	UMTS-UMTS/Supplementary services/CLIP
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the
	Calling party number and Calling party subaddress information elements are correctly
	delivered to the called (served) user.
PLMN parameter	GSM - BC = I BC ID,
values term.:	Calling party subaddress
PLMN parameter	GSM - BC = G_BC_ID
values orign.:	Calling party number: PI = PA, TON = national/international number, SI = NP,
-	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)
Comments:	

UUxxSSCLIP02	PLMN ref. to: TS 124 008, clause 9.3.23.2 TS 123 081
	TS 124 081, clause 1
TSSreference:	UMTS-UMTS/Supplementary services/CLIP
PLMN selection	CLIP
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$,
values term.:	Calling party number: PI=PA SI=NP TON = national/international number,
	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)
Comments:	

UUxxSSCLIR01	PLMN ref. to:
	TS 124 008, clause 9.3.23.2
	TS 123 081, clause 2
	TS 124 081, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/CLIR
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.
PLMN parameter	GSM - BC = G_BC_ID, Calling party subaddress
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown
Comments:	

UU xxSSCLIR02	PLMN ref. to:
	TS 124 008, clause 9.3.23.2
	TS 123 081, clause 2
	TS 124 081, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/CLIR
PLMN selection	CLIR
criteria orign.:	
PLMN selection	The called user is provided with CLIP
criteria term.:	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown
values term.:	
Comments:	

UU xxSSCOLP01	PLMN ref. to:		
	TS 124 008, clause 9.3.5.2		
	TS 123 081, clause 3		
	TS 124 081, clause 3		
TSSreference:	UMTS-UMTS/Supplementary services/COLP		
PLMN selection	The calling user is provided with COLP		
criteria orign.:			
PLMN selection	COLP		
criteria term.:			
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the		
	Connected number and Connected subaddress information elements are correctly		
	delivered to the calling (served) user.		
PLMN parameter	$GSM - BC = G_BC_ID;$		
values orign.:	Connected number PI=PA, SI=NP, TON = national/international number,		
	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)		
	Connected subaddress		
PLMN parameter	Connected subaddress		
values term.:			
Comments:			

	<u> </u>	
UUxxSSCOLP02	PLMN ref. to:	
	TS 124 008, clause 9.3.5.2	
	TS 123 081, clause 3	
	TS 124 081, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/COLP	
PLMN selection	The calling user is provided with COLP	
criteria orign.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and correctly delivered to	
	the calling (served) user.	
PLMN parameter	GSM - BC = G BC ID	
values orign.:	Connected number: SI=NP TON = national/international number, PI=PA,	
	NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter	$GSM - BC = G_BC_ID$	
values term.:		
Comments:		

UUxxSSCOLR01	PLMN ref. to: TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/COLR	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter	GSM - BC = G BC ID,	
values orign.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter		
values term.:		
Comments:		

UUxxSSCUG01	PLMN ref. to: TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary services/CUG	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG	
criteria orign.:		
PLMN selection	Calling user and called user belong to the same CUG	
criteria term.:	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UUxxSSCUG02	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_servi	ices/CUG
PLMN selection	CUG supplementary options: not O	A; not ocb; not Pref. CUG
criteria orign.:		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	,,,
	Calling user and called user belong	to the same CUG;
	CUG supplementary options: IA; no	ot ICB
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
values term.:		
Comments:		

UUxxSSCUG03	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG	
PLMN selection	CUG supplementary options: not C	OA; not ocb; not Pref. CUG,	
criteria orign.:	the calling user is roaming in a VPL	_MN (Visited PLMN)	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;		
	Calling user and called user belong	to the same CUG;	
	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

UUxxSSCUG04	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

UUxxSSCUG05	PLMN ref. to: TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);		
	The called user belongs to the same CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA). The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC); Suppress OA (SOA);		
PLMN parameter	GSM - BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

UUxxSSCUG06	PLMN ref. to:			
	TS 123 085			
	TS 124 085			
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG		
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;		
criteria orign.:	not ocb; not Pref. CUG,			
_	the calling user is roaming in a VPLMN (Visited PLMN)			
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;		
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;		
	The called user belongs to the same	e CUG with the following CUG supplementary		
	options: IA; not ICB			
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.			
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);			
values orign.:	Suppress Pref. CUG (SPC);			
	Suppress OA (SOA);			
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))			
values term.:				
Comments:				

UU xxSSCUG07	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))		
values term.:			
Comments:			

UUxxSSCUG08	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCU	IG-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))		
values term.:			
Comments:			

UU xxSSCUG09	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary serv	ices/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG		
	the calling user is roaming in a VPL	MN (Visited PLMN).	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;	
	The called user belongs to the sam	e CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not		
	outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),		
	The called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))		
values term.:			
Comments:			

UUxxSSCUG10	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG	
PLMN selection	The calling user belongs to the sam	ne CUG with the following CUG supplementary	
criteria orign.:	options: OA; not ocb; not Pref. CUG		
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: IA; ICB		
criteria term.:			
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user using access allowed and incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), message without a Facility IE which contains an CUG CUG (normal call).	
PLMN parameter	GSM - BC = G_BC_ID; ForwardCU	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC = G_BC_ID		
values term.:			
Comments:			

UU xxSSCUG11	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG	
PLMN selection		ne CUG with the following CUG supplementary	
criteria orign.:	options: OA; not ocb; not Pref. Cl	JG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in a VPL		
	The called user belongs to CUG with the following CUG supplementary options: IA; ICB		
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU The called user receives a SETUP index associated with the invoked C		
PLMN parameter	GSM - BC = G_BC_ID; ForwardCU	G-Info: CUG Index (CI);	
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC = G_BC_ID		
values term.:			
Comments:		·	

UU xxSSCUG12	PLMN ref. to:		
00xx55C0G12			
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_servi	ices/CUG	
PLMN selection	The calling user belongs to the sam	ne CUG with the following CUG supplementary	
criteria orign.:	options: OA; not ocb; not Pref. Cl	JG,	
	the calling user is roaming in a VPL		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the sai	me VPLMN (Visited PLMN) of the calling user;	
	The called user belongs to CUG with the following CUG supplementary options: IA; ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed,		
	not outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),		
	The called user receives a SETUP message without a Facility IE which contains an CUG		
	index associated with the invoked CUG (normal call).		
PLMN parameter	GSM - BC= G BC ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC= G BC ID		
values term.:			
Comments:			

UUxxSSCUG13	PLMN ref. to: TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC). The called user receives a SETUP message without a Facility IE.		
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC = G BC ID		
values term.:			
Comments:			

UUxxSSCUG14	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;		
criteria orign.:	not ocb; not Pref. CUG		
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);		
	The called user belongs to the same CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.		
PLMN parameter	GSM - BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
values orign.:			
PLMN parameter	GSM - BC= G BC ID		
values term.:			
Comments:			

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UUxxSSCUG15	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;		
criteria orign.:	not ocb; not Pref. CUG,		
_	the calling user is roaming in a VPLMN (Visited PLMN).		
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;		
	The called user belongs to the same CUG with the following CUG supplementary		
	options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed,		
	not outgoing calls barred within the CUG and not preferential CUG and the called user		
	belongs to the same CUG with incoming access allowed and not incoming calls barred		
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall		
	contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC),		
	The called user receives a SETUP message without a Facility IE.		
PLMN parameter	GSM - BC = G BC ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);		
values orign.:			
PLMN parameter	GSM - BC = G BC ID		
values term.:			
Comments:			

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UUxxSSCUG16	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-UMTS/Supplementary_services/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA ;
criteria orign.:	not ocb; not Pref. CUG
PLMN selection	The called user is not a CUG subscriber
criteria term.:	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message (normal call).
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSCUG17	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary_services	s/CUG	
PLMN selection	The calling user belongs to a CUG with	th the following CUG supplementary options: OA;	
criteria orign.:	not ocb; not Pref. CUG,		
	the calling user is roaming in a VPLMI	N (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in the same	e VPLMN (Visited PLMN) of the calling user;	
	The called user is not a CUG subscriber		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP.		
PLMN parameter	GSM - BC= G BC ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM - BC= G BC ID		
values term.:			
Comments:			

UU_xxSSCUG18	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection	The calling user is not member of CUG	
criteria orign.:		
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: not IA;	
criteria term.:	not ICB	
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected".	
PLMN parameter	GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UUxxSSCUG19	PLMN ref. to: TS 123 085		
TSSreference:	TS 124 085 UMTS-UMTS/Supplementary services/CUG		
PLMN selection	The calling user is not member of CUG,		
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN).		
PLMN selection	Calling user and called are subscribed to the same HPLMN		
criteria term.:	the called user is roaming in the same VPLMN (Visited PLN		
	The called user belongs to CUG with the following CUG su	oplementary options: not IA ;	
	not ICB		
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected".		
PLMN parameter	GSM - BC = G BC ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

UUxxSSCUG20	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG wi	th the following CUG supplementary options: not
criteria orign.:	OA; not ocb; not Pref. CUG	
PLMN selection	The called user is not member of CU	G
criteria term.:		
Test purpose:	allowed, not outgoing calls barred wit called user belongs not to a CUG, af Facility IE which shall contain a Forw CUG Index (CI), Suppress Pref. CUG	i (SPC), Suppress OA (SOA) If the network initiate call clearing to the calling user
PLMN parameter	GSM - BC= G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);	Suppress OA (SOA);
PLMN parameter		
values term.:		
Comments:		

UU xxSSCUG21	PLMN ref. to:		
	TS 123 085		
	TS 124 085		
TSSreference:	UMTS-UMTS/Supplementary serv	ices/CUG	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: not	
criteria orign.:	OA; not ocb; not Pref. CUG,		
	the calling user is roaming in a VPL	_MN (Visited PLMN).	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;	
	The called user is not member of C	UG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not		
	allowed, not outgoing calls barred within the CUG and not preferential CUG and the		
	called user belongs not to a CUG, after the receipt of a SETUP message with the		
	Facility IE which shall contain a ForwardCUG-Info with		
	CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA)		
	call establishment is not possible and the network initiate call clearing to the calling user		
	with cause value #87 "user not a member of CUG".		
PLMN parameter	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values orign.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA);		
PLMN parameter			
values term.:			
Comments:			

UUxxSSCUG22	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_servi	ices/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same	e CUG with the following CUG supplementary
criteria term.:	options: not IA; ICB	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU call establishment is not possible ar with cause value #55 "incoming call	
PLMN parameter	GSM - BC= G_BC_ID; ForwardCU0	G-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

UU xxSSCUG23	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_serv	ices/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CI call establishment is not possible a with cause value #55 "incoming cal	
PLMN parameter	GSM - BC= G_BC_ID; ForwardCU	G-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

UU xxSSCUG24	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary serv	ices/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria orign.:	not ocb; not Pref. CUG,	
_	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB;	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM - BC= G_BC_ID; ForwardCU	G-Info: CUG Index (CI);
values orign.:	Suppress Pref. CUG (SPC);	· ·
PLMN parameter		
values term.:		
Comments:		

UUxxSSCUG25	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-UMTS/Supplementary_services/CUG
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG
criteria orign.:	
PLMN selection	Calling user and called user belong to the same CUG;
criteria term.:	CUG supplementary options: not IA; not ICB.
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))
values term.:	
Comments:	

UU_xxSSCUG26	PLMN ref. to:	
	TS 123 085	
	TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria orign.:		
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	calling user and called user belong to the same CUG;	
	CUG supplementary options: not IA ; not ICB .	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
values orign.:		
PLMN parameter	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
values term.:		
Comments:		

UUxxSSCUG27	PLMN ref. to:
	TS 123 085
	TS 124 085
TSSreference:	UMTS-UMTS/Supplementary_services/CUG
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG
criteria orign.:	the calling user is roaming in a VPLMN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the same HPLMN;
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;
	calling user and called user belong to the same CUG;
	CUG supplementary options: not IA; not ICB.
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.
PLMN parameter	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).
values orign.:	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))
Comments:	

UUxxSSSUB01	PLMN ref. to: TS 124 008, clause 9.3.23.1.5
TSSreference:	UMTS-UMTS/Supplementary_services/SUB
PLMN selection criteria orign.:	SUB
PLMN selection criteria term.:	The called (served) user is provided with SUB
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user
PLMN parameter values orign.:	GSM - BC = G_BC_ID
PLMN parameter values term.:	
Comments:	

UUxxSSSUB02	PLMN ref. to:	
	TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-UMTS/Supplementary_services/SUB	
PLMN selection	SUB	
criteria orign.:		
PLMN selection	SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information.	
PLMN parameter	GSM - BC = G_BC_ID, Called party subaddress	
values term.:		
PLMN parameter	GSM - BC = G_BC_ID, Called party subaddress	
values orign.:		
Comments:		

UUxxSSCFU01	PLMN ref. to: TS 124 082, clause 1	
	TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= Yes).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke = NotifySS[CFU, SS - Notification]) message, user C is notified with a FACILITY IE (Invoke = NotifySS[CFU,SS - Notification]) of call diversion.	
PLMN parameter	A : ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C: ? GSM - BC = G_BC_ID	
Comments:		

UUxxSSCFU02	PLMN ref. to:	
	TS 124 082, clause 1	
	TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU/UUxxSSCFU02	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= No).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

UUxxSSCFB01	PLMN ref. to:
	TS 124 082, clause 2
	TS 123 082, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/CFB
PLMN selection	The user A and the user C are in network N1.
criteria orign.:	
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of
criteria term.:	call diversion" = Yes; "notification to forwarding subscriber" = Yes).
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User B is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.
PLMN parameter	A : ! GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	CFB - NDUB active
values term.:	C: ? GSM - BC = G_BC_ID
Comments:	

UU xxSSCFB02	PLMN ref. to:	
	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB - NDUB ("calling user is notified of	
criteria term.:	call diversion" = No; "notification to forwarding subscriber" = No)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFB - NDUB active	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

UUxxSSCFNRy01	PLMN ref. to:
	TS 124 082, clause 3
	TS 123 082, clause 3
TSSreference:	UMTS-UMTS/Supplementary_services
PLMN selection	The user A and the user C are in network N1.
criteria orign.:	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = Yes, "notification to forwarding subscriber" = Yes).
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User B is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.
PLMN parameter	A: ! GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	CFNRy active
values term.:	C : ? GSM - BC = G_BC_ID
Comments:	

UU xxSSCFNRy02	PLMN ref. to:
	TS 124 082, clause 3
	TS 123 082, clause 3
TSSreference:	UMTS-UMTS/Supplementary services/CFNRy
PLMN selection	The user A and the user C are in network N1.
criteria orign.:	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion" = No "notification to forwarding subscriber" = No)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.
	User A and B are not notified of call diversion.
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call
	diversion.
PLMN parameter	A: ! GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	CFNRy active
values term.:	C: ? GSM - BC = G_BC_ID
Comments:	

UUxxSSCFNRc01	PLMN ref. to: TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc
PLMN selection criteria orign.:	The user A and the user C are in network N1.
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = Yes).
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified with a FACILITY (Invoke = NotifySS[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke = NotifySS[CFNRy, SS-Notification]) of call diversion.
PLMN parameter	A : ! GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	CFNRc active, the user detached
values term.:	C : ? GSM - BC = G_BC_ID
Comments:	

UU_xxSSCFNRc02	PLMN ref. to:
	TS 124 082, clause 3
	TS 123 082, clause 3
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc
PLMN selection	The user A and the user C are in network N1.
criteria orign.:	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call
criteria term.:	diversion" = No).
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C.
	User A is not notified of call diversion.
	User C is notified with a FACILITY IE (Invoke NotifySS[CFU,SS-Notification]) of call
	diversion.
PLMN parameter	A : ! GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	CFNRc active, the user is detached
values term.:	C : ? GSM - BC = G_BC_ID
Comments:	

UU xxSSHOLD01	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSHOLD02	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	GSM - BC = G BC ID
values term.:	
Comments:	

UUxxSSHOLD03	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria orign.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non ñserved user during the held state.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSHOLD04	PLMN ref. to:
00X33110LD04	
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of
	call hold and the call can be retrieved
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSHOLD05	PLMN ref. to:
	TS 123 083, clause 2
	TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSHOLD06	PLMN ref. to: TS 123 083, clause 2 TS 124 083, clause 2
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD
PLMN selection	HOLD
criteria orign.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñ served user during the held state.
PLMN parameter values orign.:	GSM - BC = G_BC_ID
PLMN parameter values term.:	GSM - BC = G_BC_ID
Comments:	

UU xxSSCW01	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	UMTS-UMTS/Supplementary_services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSCW02	PLMN ref. to:
	TS 123 083, clause 1
	TS 124 083, clause 1
TSSreference:	UMTS-UMTS/Supplementary_services/CW
PLMN selection	CW
criteria orign.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

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UUxxSSUUS1i01	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user.
PLMN parameter	$GSM - BC = G_BC_ID$,
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$,
values term.:	
Comments:	

UU xxSSUUS1i02	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.
PLMN parameter	BC = GSM - BC = G_BC_ID, UI length = 32
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID, UI length = 32
values term.:	
Comments:	

UU xxSSUUS1i03	PLMN ref. to:
00xx33003103	
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user
	information element included in the CONNECT message sent from the called user to the
	calling user.
PLMN parameter	GSM - BC = G BC ID, UI length = 32
values orign.:	
PLMN parameter	GSM - BC =G_BC_ID, UI length = 32
values term.:	
Comments:	

UU xxSSUUS1i04	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.
PLMN parameter values orign.:	GSM - BC =G_BC_ID, UI length = 32
PLMN parameter values term.:	GSM - BC = G_BC_ID, UI length = 32
Comments:	

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UUxxSSUUS1i05	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.
PLMN parameter	GSM - BC = G_BC_ID, UI length = 32
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID, UI length = 32
values term.:	
Comments:	

UU xxSSUUS1i06	PLMN ref. to:
	TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1i
PLMN selection	UUS1i
criteria orign.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
Test purpose:	The requested UUS is not supported in Network B.
	Verify that UUI can be discarded by the network without disrupting normal call handling.
PLMN parameter	GSM - BC = G_BC_ID, UI length = 32
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID, UI length = 32
values term.:	
Comments:	

UU_xxSSUUS1e01	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e
PLMN selection	UUS1 e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS not required" the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSUUS1e02	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.
PLMN parameter	GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID
values term.:	
Comments:	

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UUxxSSUUS1e03	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSUUS1e04	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID
values term.:	
Comments:	

UU xxSSUUS1e05	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that with the explicit request of UUS1 indicating NUS required ", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSUUS1e06	PLMN ref. to:
	TS 124 087
	TS 123 087, clause 4.1.2.1,
TSSreference:	UMTS-UMTS/Supplementary services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.
PLMN parameter	GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSUUS1e07	PLMN ref. to:
	TS 124 087
	TS 123 087, clause 4.1.2.1,
	5.1.1, annex A
TSSreference:	UMTS-UMTS/Supplementary services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID
values term.:	
Comments:	

UUxxSSUUS1e08	PLMN ref. to:
	TS 124 087
	TS 123 087
	ITU-T Recommendation Q.699
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that after explicit request of UUS1 indicating NUS required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.
PLMN parameter	GSM - BC = G_BC_ID
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

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UUxxSSUUS201	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary services/UUS2
PLMN selection	UUS 2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", the network can
	transport USER INFORMATION messages between the ALERTING and the CONNECT
	messages in each direction.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSUUS202	PLMN ref. to:
00X00000202	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does
	not receive an explicit service 2 acceptance or rejection in the ALERTING message from
	the called user, the served subscriber shall continue with normal call handling.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	GSM - BC = G BC ID
values term.:	
Comments:	

UUxxSSUUS203	PLMN ref. to:
	TS 124 087 TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " UUS not required ", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

	DI BANI COS AC
UUxxSSUUS204	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2
PLMN selection	UUS 2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required, the network can
	transport USER INFORMATION messages, between the ALERTING and the CONNECT
	messages in each direction.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	GSM - BC = G BC ID
values term.:	
Comments:	

UU_xxSSUUS205	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating NUS required ", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSUUS206	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2
PLMN selection	UUS2
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " UUS not required ", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID
values term.:	
Comments:	

UUxxSSUUS301	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU xxSSUUS302	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating
criteria term.:	"UUS not required", if the network does not receive an explicit acceptance or rejection
	in the CONNECT message from the called user, the served subscriber shall continue
	with normal call handling.
Test purpose:	
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

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UUxxSSUUS303	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS
	required", the network can transport USER INFORMATION messages in both directions
	during the Active state of the call.
PLMN parameter	GSM - BC = G BC ID
values orign.:	
PLMN parameter	GSM - BC = G_BC_ID
values term.:	
Comments:	

UUxxSSUUS304	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection	UUS3
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating NUS
	required", if the network does not receive an explicit acceptance or rejection in the
	CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU_xxSSUUS305	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria orign.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during the active call state indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUxxSSUUS306	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3
PLMN selection criteria orign.:	UUS3
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "UUS not required", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter values term.:	GSM - BC = G_BC_ID
Comments:	

UUGxxSSECT01	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state $\tilde{\mathbf{n}}$ Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUGxxSSECT02	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call sate and the call A-C is in the Active call state ñ Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UUGxxSSECT03	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-UMTS/Supplementary_services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user
	C are in network N2.
	Ensure that when user A invokes ECT in which the call A-B is in the Active call state n Call Held auxiliary state and the call A-C is in the Call Delivered State a connection
	between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.
	The call clearing procedure of the B-C connection is performed from user B.
PLMN parameter	GSM - BC = G BC ID
values orign.:	doin - po - a_bo_ib
PLMN parameter	GSM - BC = G BC ID
values term.:	\
Comments:	
Comments:	

UUGxxSSECT04	PLMN ref. to:
	TS 124 008
TSSreference:	UMTS-UMTS/Supplementary services/ECT
PLMN selection	ECT
criteria orign.:	
PLMN selection	ECT
criteria term.:	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call A-B is in the Active call state and the call A-C is in the Call Delivered State - Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	

UU_xxSSMPTY01	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C.
	User A is terminating the entire multi party call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a
	FACILITY message to the network containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a
	multi party call. User A is terminating the entire multi party call.

UUxxSSMPTY02	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user Cand release the remote party C. The call clearing procedure to user B is performed from user A.
PLMN parameter values orign.:	GSM - BC= G_BC_ID
PLMN parameter values term.:	GSM - BC= G_BC_ID
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.

UUxxSSMPTY03	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C.
	Afterwards the remote party C disconnects itself from the call. The call clearing
	procedure to user B is performed from user A.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a
	FACILITY message to the network containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a
	multi party call.

UUxxSSMPTY04	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C and Separate the
	remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY
	HELD). User A terminates the multi-party call and the single active call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a
	FACILITY message to the network containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a
	multi party call.
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY
	message to the network. The network will send normal CallOnHold notifications to the
	remote parties on hold in the MPTY call.

PLMN ref. to:
TS 122 084
TS 123 084
UMTS-UMTS/Supplementary_services/MPTY
MPTY
MPTY
User A is in network N1. User B and user C are in network N2.
Ensure that the user A can establish a MPTY call to user B and user C and create a
private communication between A and B. The multi-party call is placed on hold (A-B
ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B
ACTIVE call.
$GSM - BC = G_BC_ID$
$GSM - BC = G_BC_ID$
User A calls user B. After call establishment user A initiates call hold. Then user A calls
user C. After call establishment user A invokes the MPTY service by sending a
FACILITY message to the network containing the BuildMTPY request which indicates to
the network that the mobile subscriber wishes all his calls to be connected together in a
multi party call.
To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY
message to the network. The network will send normal CallOnHold notifications to the
remote parties on hold in the MPTY call.

UU xxSSMPTY06	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C and create a
	private communication between A and B. The multi-party call is placed on hold (A-B
	ACTIVE/MPTY HELD). User B is clearing the A-B Active call.
	After the completion of the Retrieve function user A terminates the multi-party call with C.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a
	FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.
	User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.

UUxxSSMPTY07	PLMN ref. to:
	TS 122 084
	TS 123 084
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY
PLMN selection	MPTY
criteria orign.:	
PLMN selection	MPTY
criteria term.:	
Test purpose:	User A is in network N1. User B and user C are in network N2.
	Ensure that the user A can establish a MPTY call to user B and user C and create a
	private communication between A and B. The multi-party call is placed on hold (A-B
	ACTIVE/MPTY HELD). User C is clearing the MPTY held call.
	User B is clearing the A-B Active call.
PLMN parameter	$GSM - BC = G_BC_ID$
values orign.:	
PLMN parameter	$GSM - BC = G_BC_ID$
values term.:	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls
	user C. After call establishment user A invokes the MPTY service by sending a
	FACILITY message to the network containing the BuildMTPY request which indicates to
	the network that the mobile subscriber wishes all his calls to be connected together in a
	multi party call.
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY
	message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.
	User C is clearing the MPTY held call. User B is clearing the A-B Active call.

UUxxSSMPTY08	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-UMTS/Supplementary services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.		
PLMN parameter values orign.:	GSM - BC = G_BC_ID		
PLMN parameter	$GSM - BC = G_BC_ID$		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.		
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.		

UUxxSSMPTY09	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-UMTS/Supplementary services/MPTY		
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE/HOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.		
PLMN parameter	$GSM - BC = G_BC_ID$		
values orign.:			
PLMN parameter	$GSM - BC = G_BC_ID$		
values term.:			
Comments:			

UU xxSSMPTY10	PLMN ref. to:		
	TS 122 084		
	TS 123 084		
TSSreference:	UMTS-UMTS/Supplementary services	UMTS-UMTS/Supplementary services/MPTY	
PLMN selection	MPTY		
criteria orign.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish a MPTY call to user B and user C and create a		
	private communication between A and B. The multi-party call is placed on hold (A-B		
	ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE nHOLD-		
	REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is		
	an active connection (A-C) and the A-B call has an Active-Held connection. (A-B		
	HELD/MPTY ACTIVE).		
	User C is terminating the multi party call. After the completion of the Retrieve function		
	concerning the A-B Active-Held call, user A is clearing the A-B connection.		
PLMN parameter	$GSM - BC = G_BC_ID$		
values orign.:			
PLMN parameter	$GSM - BC = G_BC_ID$		
values term.:			
Comments:			

PLMN ref. to:	
TS 122 084	
TS 123 084	
UMTS-UMTS/Supplementary_services/MPTY	
MPTY	
MPTY	
User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
GSM - BC = G_BC_ID	
$GSM - BC = G_BC_ID$	

UUxxSSCBS01	PLMN ref. to:	
	TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary services/Call barring service	
PLMN selection	The calling user activates Barring of Outgoing international	
criteria orign.:		
PLMN selection		
criteria term.:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PLMN parameter	$GSM - BC = G_BC_ID$	
values orign.:		
PLMN parameter	$GSM - BC = G_BC_ID$	
values term.:		
Comments:		

UU xxSSCBS02	PLMN ref. to:	
	TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary services/Call barring service	
PLMN selection		
criteria orign.:		
PLMN selection	The PLMN supports barring of all incoming calls (BAIC).	
criteria term.:		
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	GSM - BC = G BC ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UU xxSSCBS03	PLMN ref. to:	
	TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary services/Call barring service	
PLMN selection	-	
criteria orign.:		
PLMN selection	The Network B supports barring of all incoming calls (BAIC) and barring of incoming	
criteria term.:	calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke=NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	GSM-BC = G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

	DI MILI		
UUxxSSCCBS01	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14		
	TS 124 093		
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.		
PLMN parameter	$GSM - BC = G_BC_ID$		
values orign.:			
PLMN parameter	$GSM - BC = G_BC_ID$		
values term.:			
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=		
	CCBSPossible) on receipt of a RELEASE message with a FACILITY information		
	element indicating CCBSRequest invoke component including the		
	AccessRegisterCCEntry,		
	The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and		
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.		
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network.		
	The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container.		
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)		
	and Low Level Compatibility (LLC) information within the Setup container.		
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it		
	shall send a RECALL message to MS A, which contains information to be presented to		
	the subscriber.		
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the		
	SETUP message.		
	MSC A shall maintain the RR connection with MS A throughout the time when		
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.		
-			

MS	S A SETUP	
	(Bearer capability, CC capabilities, Called party BCD number)	
	DISCONNECT	
	((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)	
	RELEASE	
	Facility (Invoke = AccessRegisterCCEntry)	
	RELEASE COMPLETE	
	Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (See Note 5	
<	NETWORK RR CONNECTION ESTABLISHED	
	>	
<	CM SERVICE PROMPT	
	START CC	
	>	
<	CC ESTABLISHMENT	
	(Setup container)	
	CC ESTABLISHMENT CONFIRMED	

RECALL		
Facility (Invoke = NotifySS(SS - Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode, Alerting Pattern))		
SETUP		
>		

UUxxSSCCBS02	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14		
	TS 124 093		
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:	,		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.		
PLMN parameter	GSM - BC = G BC ID		
values orign.:	33 23 3_23		
PLMN parameter	GSM - BC = G BC ID		
values term.:			
values term	GSM - LLC=G_LLC_ID GSM - HLC=G_HLC_ID		
	Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility		
	(LLC) information within the Setup container.		
	G BC ID CONT		
	G LLC ID CONT		
	G_HLC_ID_CONT		
	Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility		
	(LLC) information within the CC ESTABLISHMENT CONFIRMED message		
	G_BC_ID_CC_E_C		
	G_LLC_ID_CC_E_C		
	G HLC ID CC E C		
Comments: The network N1 in the Disconnect Indication call state N12 (sending a DISCON message to MS A with a diagnostic field indicating CCBS possible, allowed act CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the			
	AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall		
	include the Setup container. The MS is modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container.		
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to		
	the subscriber.		
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the		
	SETUP message.		
	MSC A shall maintain the RR connection with MS A throughout the time when		
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the		
	network moves to call state N01.		

Values for test purpose UI xxSSCCBS02	
VA 01	GSM - BC = speech
_	G BC ID CONT = speech
	G BC ID CC E C = speech
	G HLC ID CC E C= telephony
VA_02	GSM - BC = speech
	GSM - HLC= telephony
	G_BC_ID_CONT = speech
	G_HLC_ID_CONT= telephony
	G_BC_ID_CC_E_C = speech
	G_LLC_ID_CC_E_C = 3,1 kHz audio
	G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN
	G_BC_ID_CONT = 3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM - BC = facsimile G3
	G_BC_ID_CONT = facsimile G3
	G_BC_ID_CC_E_C = facsimile G3
	G HLC ID CC E C = Facsimile G2/G3
VA_05	GSM - BC = facsimile G3
	G_HLC = Facsimile G2/G3
	G_BC_ID_CONT = facsimile G3
	G_HLC_ID_CC_E_C = Facsimile G2/G3
	G_BC_ID_CC_E_C = facsimile G3

UU xxSSCCBS03	PLMN ref. to:		
xx00000B000	EN 300 646, clause 6.1.1.14		
	TS 124 093, clause 4.2		
TSSreference:	UMTS-UMTS/Supplementary services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was		
rest purpose.	received and the CCBS Call set-up was sent)		
	and when user B has responded to the call with a ALERTING message		
	the MS A receives an ALERTING message. Normal call handling continues.		
PLMN parameter	GSM - BC = G BC ID		
values orign.:			
PLMN parameter	GSM - BC = G BC ID		
values term.:			
Comments:	The network Nt. in the Disconnect Indication call state NtO (conding a DISCONNECT		
	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information		
	element indicating CCBSRequest invoke component including the		
	AccessRegisterCCEntry, The network condo a RELEASE COMPLETE macroage containing a Facility information		
	The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.		
	When destination B becomes free the network shall offer subscriber A the option of recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the		
	CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container.		
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container.		
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber.		
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.		
	MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the		
	network moves to call state N01.		
	When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.		

UU xxSSCCBS04	PLMN ref. to:		
UUXXSSCCBS04	EN 300 646, clause 6.1.1.14		
TSSreference:	TS 124 093, clause 4.2		
PLMN selection	UMTS-UMTS/Supplementary_services/CCBS		
	DLE is supporting the CCBS supplen	nentary service	
criteria orign.:	015: " " 0000		
PLMN selection	OLE is supporting the CCBS suppler	mentary service. MS A is idle.	
criteria term.:			
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received		
		and the CCBS Call set-up was sent) and when user B has responded to the call with a	
	CONNECT message		
		essage. Normal call handling continues.	
PLMN parameter	BC=I_BC_ID		
values orign.:			
PLMN parameter	GSM - BC = G_BC_ID		
values term.:			
Comments:		dication call state N12 (sending a DISCONNECT	
		ield indicating CCBS possible, allowed actions=	
	CCBSPossible) on receipt of a RELE	EASE message with a FACILITY information	
	element indicating CCBSRequest inv	oke component including the	
	AccessRegisterCCEntry,		
	The network sends a RELEASE COM	The network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return	result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.		
	When destination B becomes free the network shall offer subscriber A the option of		
	recalling destination B.		
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the		
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the		
	CC connection by sending a START CC message to the network.		
	The network shall then send a CC ESTABLISHMENT message to MS A which shall		
	include the Setup container.		
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)		
	and Low Level Compatibility (LLC) information within the Setup container.		
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it		
	shall send a RECALL message to MS A, which contains information to be presented to		
	the subscriber.		
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the		
	SETUP message.		
		ction with MS A throughout the time when	
		ossible. Once the SETUP message is received, the	
	network moves to call state N01.	,	
	When user B has responded to the c	all with a CONNECT message the MS A receives	
	an CONNECT message. Normal call		
L			

UU_xxSSCCBS05	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.	
criteria term.:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the	
	CCBS Recall and release the existing call.	
PLMN parameter	$GSM - BC = G_BC_ID$	
values orign.:		
PLMN parameter	$GSM - BC = G_BC_ID$	
values term.:		
Comments:		

UUxxSSCCBS06	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is not idle.	
criteria term.:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
PLMN parameter	GSM - BC = G BC ID	
values orign.:		
PLMN parameter	GSM - BC = G BC ID	
values term.:		
Comments:		

UUxxSSCCBS07	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.3	
TSSreference:	UMTS-ISDN/Supplementary services/CCBS	
PLMN selection	DLE is supporting the CCBS supple	mentary service
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supple	mentary service. MS A is idle.
criteria term.:		
Test purpose:		nding a DISCONNECT message to MS A with a
	, ,	ssible, allowed actions = CCBSPossible (CCBS
	Activated state)	
	the user can deactivate a specific CCBS request	
PLMN parameter	GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT	
	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=	
	CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	The network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddre	
	•	S A shall send a REUISTER message, with the
	Facility information element, indication	ng EraseCCEntry.

UU xxSSCCBS08	PLMN ref. to:	
	EN 300 646, clause 6.1.1.14	
	TS 124 093, clause 4.4	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state). The user can deactivate outstanding CCBS requests.	
PLMN parameter	GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UUxxSSCCBS09	PLMN ref. to:		
	EN 300 646, clause 6.1.1.14		
	TS 124 093, clause 4.2		
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS		
PLMN selection	DLE is supporting the CCBS supplementary service		
criteria orign.:			
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.		
criteria term.:			
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.		
PLMN parameter	GSM - BC = G BC ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.		

UU xxSSCCBS10	PLMN ref. to:	
00X00000B010	EN 300 646, clause 6.1.1.14	
	·	
T00 (TS 124 093, clause 4.2	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection	DLE is supporting the CCBS supplementary service	
criteria orign.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall	
	The MS sends a RELEASE COMPLETE message.	
PLMN parameter	GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a	
	CCBS Request.	
	The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or	
	cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is	
	Possible and allowed actions indicating CCBS is Possible. The network starts the	
	retention timer T1 when it sends the DISCONNECT message.	
	If the subscriber A does not accept CCBS activation, the MS shall send normal	
	·	
	RELEASE message and the network shall stop T1 and continue normal call clearing. If	
	the timer T1 expires before the RELEASE message is received from the MS, the	
	network shall continue normal call clearing.	

Interactions

U xxSICFU CLIP	PLMN ref. to:	
COLP01	TS 124 082, clause 1	
	TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU	
PLMN selection	User A is provided with CLIP and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"	
criteria term.:	= Yes).	
	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channel is performed correctly.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFUactive	
values term.:	C: ? GSM - BC = G_BC_ID	
Comments:		

UU xxSSCFU CLI	PLMN ref. to:		
P COLP02	TS 124 082, clause 1		
-	TS 123 082, clause 1		
TSSreference:	UMTS-UMTS/Supplementary services/CFU/UU xxSSCFU02		
PLMN selection	User A is provided with CLIR and COLP.		
criteria orign.:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion"		
criteria term.:	= No).		
	User C is provided with COLR and CLIP.		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User ${f A}$ is not notified of call diversion and the presentation of the diverted-to number is		
	not allowed accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
PLMN parameter	performed correctly. A: ! GSM - BC = G BC ID		
values orign.:	A. : adivi - bd - a_bd_ib		
PLMN parameter	CFUactive		
values term.:	C: ? GSM - BC = G BC ID		
Comments:	0.: dolvi - bo - d_bo_lb		
Comments.	L		

UUxxSICFB_CLIP	PLMN ref. to:		
_COLP01	TS 124 082, clause 2		
	TS 123 082, clause 2		
TSSreference:	UMTS-UMTS/Supplementary services/CFB		
PLMN selection	User A is provided with CLIP and C	COLP.	
criteria orign.:			
PLMN selection	The user B is in network N2 and is	provided with CFB - NDUB ("calling user is notified of	
criteria term.:	call diversion" = Yes; "notification to	o forwarding subscriber" = Yes).	
	User C is provided with CLIP		
Test purpose:		user B, the call is forwarded to user C.	
	User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-		
	Notification]) message, and the presentation of the diverted-to number is allowed		
	accordance with the COLR supplementary service of the diverted-to user.		
	User B is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.		
PLMN parameter	A: ! GSM - BC = G_BC_ID		
values orign.:			
PLMN parameter	CFB - NDUB active		
values term.:	C : ? GSM - BC = G_BC_ID		
Comments:			

UUxxSICFB_CLIP	PLMN ref. to:	
_COLP02	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary services/CFB	
PLMN selection	User A is provided with CLIR and CO	OLP.
criteria orign.:		
PLMN selection		rovided with CFB - NDUB ("calling user is notified of
criteria term.:	call diversion" = No ; "notification to f	
	User C is provided with COLR and C	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.	
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state performed correctly if tones/announce	e (N4) the transfer of tone on the B-channel is cement are applied.
	Ensure that in the active call state (N performed correctly.	I10) the voice/data transfer on the B-channels is
PLMN parameter	A: ! GSM - BC = G BC ID	
values orign.:		
PLMN parameter	CFB - NDUB active	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

	PLMN ref. to:	
IP_COLP01	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services	
PLMN selection	User A is provided with CLIP and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria term.:	diversion" = Yes, "notification to forwarding subscriber" = Yes).	
	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM - BC= G_BC_ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM - BC= G_BC_ID	
Comments:		

UUxxSSCFNRy_C	PLMN ref. to:	
LIP COLP02	TS 124 082, clause 3	
_	TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRy	
PLMN selection	User A is provided with CLIR and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria term.:	diversion" = No "notification to forwarding subscriber" = No)	
	User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and the presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.	
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFNRy active	
values term.:	C: ? GSM - BC = G_BC_ID	
Comments:		

UUxxSICFNRc_CL	PLMN ref. to:	
IP_COLP01	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection	User A is provided with CLIP and COLP.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = Yes).	
	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFNRc active, the user detached	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

UUxxSICFNRc_CL	PLMN ref. to:	
IP_COLP02	TS 124 082, clause 3	
	TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection	User A is provided with CLIR and Co	OLP.
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria term.:	diversion" = No).	
	User C is provided with COLR and C	
Test purpose:	User A is not notified of call diversio	B, if detached the call is forwarded to user C. n and the presentation of the diverted-to number is DLR supplementary service of the diverted-to user.
	User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state performed correctly if tones/announce	e (N4) the transfer of tone on the B-channel is cement are applied.
	Ensure that in the active call state (Newperformed correctly.	N10) the voice/data transfer on the B-channels is
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	CFNRc active, the user is detached	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

UU xxSICUG CFU	PLMN ref. to:	
01	TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection	User B and C belongs to the same CUG.	
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG	
	User B is provided with CFUand has an active call forwarding to C.	
	User C has the following CUG supplementary options: not IA, not ICB	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter	$GSM - BC = G_BC_ID$	
values orign.:		
PLMN parameter	$GSM - BC = G_BC_ID$	
values term.:		
Comments:		

UU xxSICUG CFU	PLMN ref. to:		
02	TS 122 085		
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU		
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:		
criteria orign.:	not OA; not ocb; not Pref. CUG.		
PLMN selection	User B belongs to the same CUG with the following CUG supplementary options: not		
criteria term.:	OA; not ocb; not Pref. CUG		
	User B is provided with CFUand has an active call forwarding to C.		
	User C is not member of CUG.		
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
PLMN parameter	GSM - BC = G BC ID		
values orign.:			
PLMN parameter			
values term.:			
Comments:			

UU xxSICUG CFU	PLMN ref. to:	
03	TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	not OA; not ocb; not Pref. CUG.	
PLMN selection	User B belongs to the same CUG with the following CUG supplementary options: OA;	
criteria term.:	not ocb; not Pref. CUG	
	User B is provided with CFUand has an active call forwarding to C.	
	User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to	
	the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter	GSM - BC = G BC ID	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UUxxSICUG_CFU	PLMN ref. to:	
04	TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary services/CUG CFU	
PLMN selection	User A belongs to a CUG with the following CUG supplementary options:	
criteria orign.:	OA; not ocb; not Pref. CUG.	
PLMN selection	User B belongs to the same CUG.	
criteria term.:	User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.	
	User B is provided with CFU and has active call forwarding to C.	
	User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to	
	the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter	$GSM - BC = G_BC_ID$	
values orign.:		
PLMN parameter		
values term.:		
Comments:		

UU xxSICUG CFU	PLMN ref. to:	
05	TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary services/CUG CFU	
PLMN selection		ollowing CUG supplementary options:
criteria orign.:	OA; not ocb; not Pref. CUG.	
PLMN selection	User B and C belong to the same CUG.	
criteria term.:	User B has the following CUG supplementary options: not OA ; not ocb ; not Pref. CUG .	
	User B is provided with CFUand has	s active call forwarding to C.
Test purpose:	Ensure that a call establishment is s	successful but the OA indicator in not provided to C.
PLMN parameter	GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	GSM - BC = G_BC_ID	
values term.:	_ _	
Comments:		

UUxxSICFB_CW0	PLMN ref. to:	
1	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary services/CFB CW	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria term.:	diversion" = Yes ;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	B: CFB - UDUB, CW active	
values term.:	C: ? GSM - BC = G_BC_ID	
Comments:		

UU xxSICFB CW0	PLMN ref. to:	
2	TS 124 082, clause 2	
	TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB_CW	
PLMN selection	The user A and the user C are in network N1.	
criteria orign.:		
PLMN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria term.:	diversion" = No) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call	
	diversion.	
PLMN parameter	A: ! GSM - BC = G_BC_ID	
values orign.:		
PLMN parameter	B: CFB - UDUB, CW active	
values term.:	C : ? GSM - BC = G_BC_ID	
Comments:		

7.7.3 Short message service

7.7.3.1 Short message service point to point on CS mode

UU PP CS 01	PLMN ref. to:
00FF_03_01	
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.
PLMN parameter	GSM - TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS= Short Message MT ñ PP
values term.:	
Comments:	

UU PP CS 02	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.
PLMN parameter values orign.:	GSM - TS= Short Message MO ñ PP
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	MO The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM to MS A.
	MT The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSsauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)

UUPPCS_03	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call
	(Active State).
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	

UUPP_CS_04	PLMN ref. to:
700 (TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP
Comments:	MO
	The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM to MS A.
	MT The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)

UU PP CS 05	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic call/Successful/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	the MSs are involved in an active call (Active State N 04)
	Verify that the MS A is capable of simultaneously receiving a network originated SM
	whilst sending a mobile originated SM.
	Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	MO
	The MS A shall be in MM-state "Idle, updated".
	A data or speech call is established with the SS and the state N04 of call control is
	entered.
	The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE
	REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the
	CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-
	ACK message within TC1M followed by a CP-DATA message containing the correct RP-
	ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then
	the SS sends a channel release message to the UE.
	Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM
	to MS A.
	MT
	The MS B shall be in MM-state "Idle, updated".
	A data or speech call is established on a DTCH with the SS and the state N04 of call
	control is entered. The SS sends a CP-DATA message. The information element of the
	CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a
	CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates
	RRC Connection release
	For the mobile originated short message is used the Maximum length (characters)

UUPPCS_06	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10) Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.
PLMN parameter	GSM - TS= Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS= Short Message MT ñ PP
values term.:	
Comments:	

UU PP CS 07	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the
	MSs are in the Idle state .
	The test also verifies that the MS A is able to correctly send and MS B is able to correctly
	receive multiple short messages on the same or several MM connection
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

UU PP CS 08	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the Idle state . The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

UUPP_CS_09	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	MSs involved are in the Active call state.
	The test also verifies that MS A is able to correctly send and MS B to receive multiple
	short messages on the same or several MM connection.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The call clearing is continued in parallel to the following exchange of messages related
	to SMS.
	SMS messages are stored in the USIM and/or the ME.
	For the mobile originated short message is used the Maximum length (characters)

UUPP_CS_10	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both
	MSs involved are in the Active call state .
	The test also verifies that MS A is able to correctly send and MS B to receive multiple
	short messages on the same MM connection.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The call clearing is continued in parallel to the following exchange of messages related
	to SMS.
	SMS messages are stored in the USIM and/or the ME.
	For the mobile originated short message is used the Maximum length (characters)

BB 66 44	DI MAN LA CALL
UUPPCS_11	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that
	when MS-B becomes reachable, it shall receive the Short Message from the network.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	MS-B is detached when the Short Message is sent.

UU PP CS 12	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.

7.7.3.2 Short message service point to point on PS mode

UU PP PS 01	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

UUPP_PS_02	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

1111 DD DO 00	The same of the sa
UUPPPS_03	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

UUPP_PS_04	PLMN ref. to:
	TS 124 011
TSSreference:	UMTS-UMTS/Short_message
PLMN selection	SMS
criteria orign.:	
PLMN selection	SMS
criteria term.	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the
	MSs are in the Idle state.
PLMN parameter	GSM - TS = Short Message MO ñ PP
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ PP
values term.:	
Comments:	For the mobile originated short message is used the Maximum length (characters)

UU PP PS 05	PLMN ref. to:		
	TS 124 011		
TSSreference:	UMTS-UMTS/Basic call/Successful/Short message		
PLMN selection	SMS		
criteria orign.:			
PLMN selection	SMS		
criteria term.			
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP		
	context is in progress.		
PLMN parameter	GSM - TS = Short Message MO ñ PP		
values orign.:			
PLMN parameter	GSM - TS = Short Message MT ñ PP		
values term.:			
Comments:	For the mobile originated short message is used the Maximum length (characters)		

7.7.3.3 Short message service cell broadcast

UUUCB01	PLMN ref. to:
	TS 124 011
TSSreference:	GSM ñ UMTS/Short message
PLMN selection	
criteria orign.:	
PLMN selection	SMS - CB
criteria term.	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM - state "Idle, updated".
PLMN parameter	
values orign.:	
PLMN parameter	GSM - TS = Short Message MT ñ CB
values term.:	
Comments:	Three Cell Broadcast (CB) messages are sent by the SSon the CBCH
	The network has to be cofiUUrated to send an SMS CB with defined text on a defined
	channel.

UUU CB 02	PLMN ref. to:	
	TS 124 011	
TSSreference:	GSM ñ UMTS/Short_message	
PLMN selection		
criteria orign.:		
PLMN selection	SMS - CB	
criteria term.		
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".	
PLMN parameter		
values orign.:		
PLMN parameter	GSM - TS = Short Message MT ñ CB	
values term.:		
Comments:	Three Cell Broadcast (CB) messages are sent by the SSon the CBCH	
	The network has to be cofiUUrated to send an SMS CB with defined text on a defined	
	channel.	

Annex A (informative): Bibliography

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