



It.mds

Functional Overview

1A.00533, Version: 6.7.0



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1. General Information

1.1 Purpose

The purpose of this document is to provide a functional overview of the it.mds application. The deliveries and capabilities of it.mds are described in order to define how it.mds works, and what is delivered with it.mds.

1.2 Introduction

it.mds is an SAP ERP add-on, which is used to maintain master data based on business rules. The purpose of the it.mds application is to simplify the process of maintaining master data in a complex business rule environment.

From it.mds ECC edition the following data objects are supported in the frontend:

- Material master
- MM Info record
- Customer master
- Vendor master

In it.mds it is possible to define business rules of how different data objects must be maintained in order to support the daily business processes.

1.3 Technical overview, prerequisites and restrictions

it.mds ECC edition is a Web Dynpro for ABAP (WDA) application with underlying tables and workflows. In order not to influence the normal SAP and custom development, it.mds is maintained in a separate namespace (/MDS/). The namespace /MDS/ is owned by Itelligence and each customer has access to the namespace. However, any customer specific changes to the application are considered modifications.

Since a part of it.mds is related to handling workflows, the design of it.mds allows customer specific Workflow settings. It.mds is delivered with a preconfigured workflow scenario, but it can be modified and enhanced as required. This is intentional because of the implicit logic of workflows in a company. it.mds has its own logic and the application is designed to give easier access to maintaining master data. However, the communication with backend systems (ERP, workflow) is handled using standard SAP features such as BAPI or IDOC of MM Inforecord. This imposes a restriction to what can be done in it.mds and in communicating with the backend system.

The standard SAP features include BAPI or IDOC and other remote enabled features from SAP. We do not change any of these features in it.mds.

It.mds is designed to handle the SAP standard solution, Industry Solutions of SAP, and also customer extensions of the tables related to the it.mds object types.

2. References to other Documents

Documenttype	Document	Version
Installation	1A.00533_IT.MDS_Installation_6.7.0_EN	6.7.0
Configuration	1A.00533_IT.MDS_Configuration_6.7.0_EN	6.7.0
User	1A.00533_IT.MDS_User_6.7.0_EN	6.7.0

3. System Requirements and Dependencies

Component	Version Requirements
System	SAP ECC: Release 6.0 EHP 5 SAP NetWeaver 7.3
Special software components	None
itelligence AddOns	1A.00533_IT.MDS AddOn
others	

4. Functions supported

4.1 Functional overview

it.mds is all about simplifying master data maintenance in SAP, and ensuring data consistency across the organization and functional departments.

Simplification:

- Data maintenance in a web based user interface, which is configured to the needs of the individual business or right down to the individual user.
- Configured business rules will derive most of data values taking into consideration dependencies between field values, locations and data objects.

4.2 it.mds business rules

It.mds is delivered with a predefined framework for maintaining business rules in the form of configuration tables. Business rules are rules that define three outputs:

- When a certain field must contain a certain field value (profile or dependent value)
- In which locations an object must exist (dependent location)
- Which objects are derived from other objects (dependent object)

Field value rules are defined in profiles or dependent values. Profiles are grouped into different profile types and contain fields and field values. Profiles can be selected manually or derived from other profiles or field values.

Dependent values are field values which are derived from up to two other field values or by usage of a function module. Dependent locations are rules that determine when an object must be automatically extended to other locations. Dependent objects are rules that control when an object will be derived from another data object.

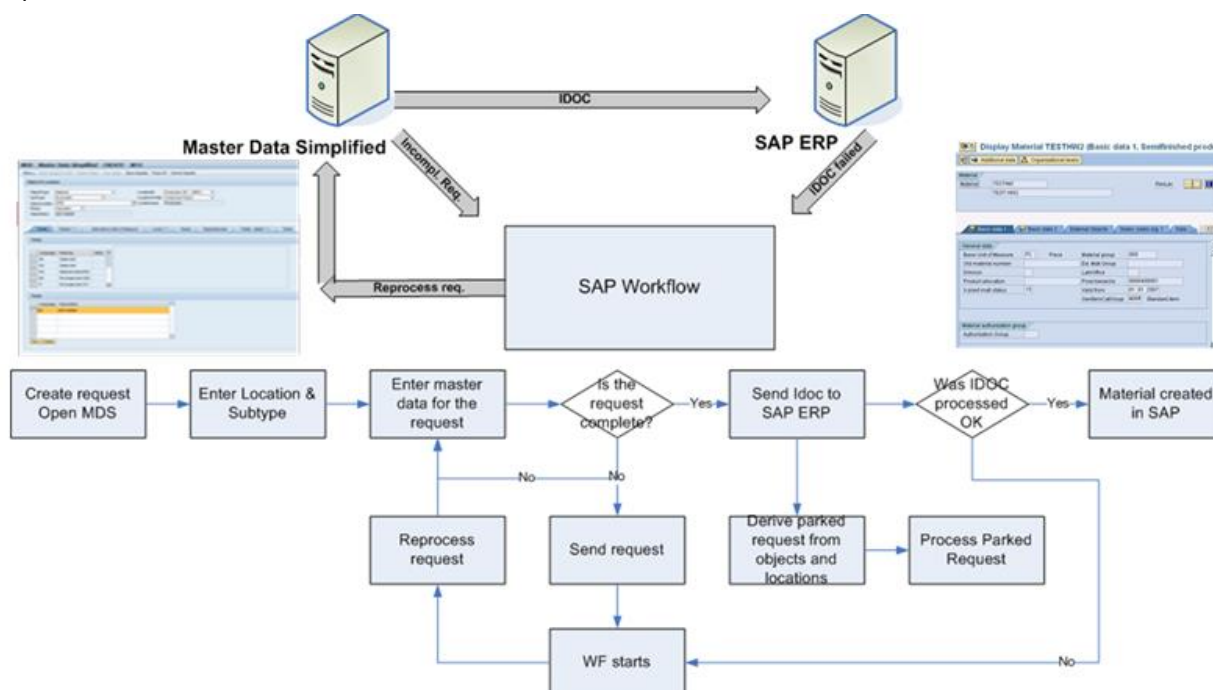
The maintenance of business rules can be considered a continuous process in order to reflect the changing requirements from the business.

4.3 Maintenance process with it.mds

Master data objects of it.mds can be created, changed, displayed, copied and extended. When a new request is being created; the object type, subtype, location ID and profile are chosen. The object number can be entered in case of external numbering. Afterwards the needed information is entered, e.g. description etc. During this interaction, the values of other fields are derived via profiles and via dependent values.

Once the request is complete, the update to process requests for other locations or object types are derived, and ready to be processed. If the update is processed successfully, the e.g. material is created. If the update fails, a workflow starts, which allow the user to correct the error and resend the request.

If the request is NOT complete, e.g. the user does not have the needed knowledge to finalize the request or the request creation is handled by multiple users/owners, the request can be saved and a workflow will start up. This workflow will be distributed to the owner of the empty mandatory fields. Via the workflow the request then can be reprocessed and completed, and the update will be reprocessed.



The master data maintenance in it.mds is built on a request system. Each create, change, copy or extend object results in a request which again results in an update in SAP ERP made through BAPI call or IDOC.

In general, an update in single requests can be made manually in the it.mds web application or electronically via BAPI's, where it is possible to create a request from a program or an LSMW. Multiple requests can only be generated from a program or an LSMW.

4.4 Web frontend

The it.mds WDA web frontend is the user interface in which the users maintain the data objects. The frontend replaces the SAP standard maintenance transactions. The frontend consists of three sections. The top section contains menu and request buttons. The middle section contains Object & Location data and the bottom section contains different tabs which are relevant for each object type.

it.mds - Master Data Simplified - CREATE

Menu Save Request Cancel Request Delete Request Send Request Save as draft Copy object Trace off Log Object Changelog

© itelligence 2006 - 2018 | All rights reserved | System: W53 | Client: 100 | User: HJA | Language: EN

Object & Location

ObjectType: Material LocationID: Production DK 1 (BP01) Search Location
 SubType: Finished products LocationProfile: Component Stock
 Objectnumber: Locationtype: Production
 ObjectDesc: Engineering Chg Man:

Texts (*) Global (*) Alternative Units of Measure Local (*) Classification Taxes Production versions MRP Area

Material Texts

Language	Description
EN	Screw M5x30 mm

New Delete

Texts

New

Language	Meaning	Text is maintained	Text is mandatory	Default visible text	O. Ship
EN	Purchase order text	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DA	Purchase order text	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Then the user enters field values of relevant fields in each tab. Field values are entered by writing directly in some data fields and by selecting profiles that derive the values for other fields. Dependent values will also derive field values and the user will only maintain a limited number of field values compared to the standard maintenance process in SAP.

4.5 Parked requests

When an object is updated in one location, it.mds will automatically generate parked requests for all other locations where the object exist. Even though the update in the first location is purely local, parked requests will be created for the other locations.

Parked requests are executed immediately or by a background job running a program with intervals which are defined by the individual business.

4.6 Fields

Fields in it.mds are setup in it.mds configuration. Here are some of the features possible to define.

- Naming of the fields - fields can be named differently than they are called in SAP.
- Define ownership – who is responsible for a field. The ownership is used for the workflow.
- Define whether a field is local or global. Fields like MARC fields can also be defined as global.
- Define whether the field is mandatory.
- Define the order in which fields should be shown in the it.mds frontend UI.

For a complete list of features, see document configuration guide.

4.7 Local and global fields and profiles

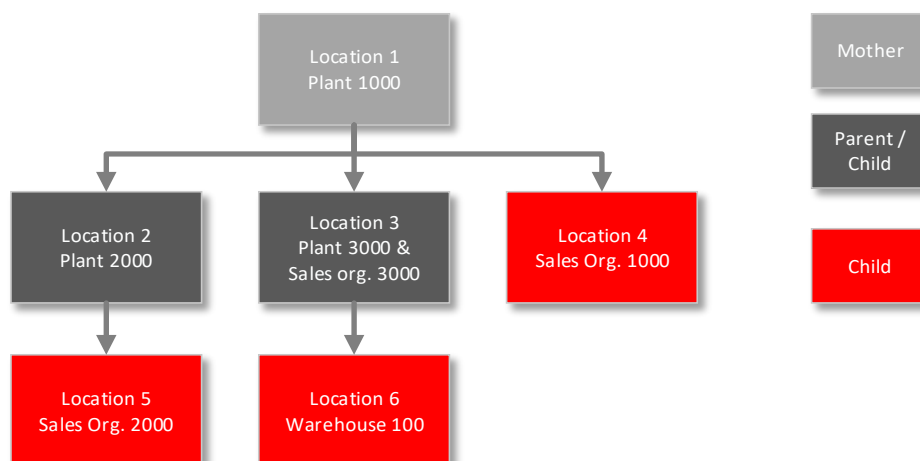
For each object, fields and profiles can be defined as global or local. Global means that a field value or profile is the same across locations, i.e. the same field value applies to all locations, or that the same profile is set for all locations. Fields belonging to a specific organizational element in SAP, e.g. plant specific, can in it.mds be defined as global and in that way ensure consistency across locations.

Global fields Field values are the same across locations	Global profiles Profile is the same across locations
Local fields Field values are the unique per location	Local profiles Profile is unique across locations

4.8 Derive an object to be created on other locations

When a request is created in one location, it is possible to define a set of rules, which triggers creation of an object in other locations.

In the example below Location 1 will trigger creation of the same object in 3 other locations. When these locations are processed, the locations 2 and 3 will trigger creation of an object in location 5 and 6.

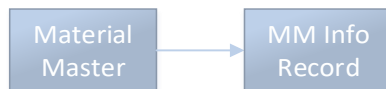


The global data of the Mother request will be derived to the child requests. In that way it is ensured that the global data is the same across locations.

4.9 Derive objects to create other objects

When a request is created for one object, it is possible to define a set of rules which trigger the creation of other objects. In the below picture two examples are described.

Materials:



Vendor:



4.10 Maintaining it.mds rules and mass update

The definitions of the different rules of it.mds are stored in a number of configuration tables. The tables are maintained via the maintain table or maintain it.mds customizing transaction. They give an overview of all the configuration tables. The configuration tables can then be accessed using a number of filter options. An update of some of the configuration tables in the maintenance transaction can execute a mass change if the user accepts this. If the user accepts the mass change, it.mds will immediately begin to generate parked request for the relevant objects.

MDS Table Maintenance

Key selection Table: DepVal From2 Technical name: /MDSM_DEPVALUES

Objecttype	Subtype	Phase	Location ID	Location Type	Rule No.	FromField1	FromValue1	Fro
MATERIAL	ALL	ALL	ALL	ALL	10	MaterialType	HALB	
MATERIAL	ALL	ALL	ALL	ALL	100			
MATERIAL	ALL	ALL	ALL	ALL	101			
MATERIAL	ALL	ALL	ALL	ALL	103			
MATERIAL	ALL	ALL	ALL	ALL	105			
MATERIAL	ALL	ALL	ALL	ALL	106			
MATERIAL	ALL	ALL	ALL	ALL	11	MaterialType	FERT	
MATERIAL	ALL	ALL	ALL	ALL	118			
MATERIAL	ALL	ALL	ALL	ALL	12	MaterialType	DIEN	
MATERIAL	ALL	ALL	ALL	ALL	120	MaterialType	HALB	
MATERIAL	ALL	ALL	ALL	ALL	13	MaterialType	VERP	
MATERIAL	ALL	ALL	ALL	ALL	14	MaterialType	HALB	
MATERIAL	ALL	ALL	ALL	ALL	140	MaterialType	VERP	
MATERIAL	ALL	ALL	ALL	ALL	15	MaterialType	WERB	
MATERIAL	ALL	ALL	ALL	ALL	18	MaterialType	*	
MATERIAL	ALL	ALL	ALL	ALL	20	MaterialStatusValidFrom	*	
MATERIAL	ALL	ALL	ALL	ALL	200	Product-Hierarchy	*12510	
MATERIAL	ALL	ALL	ALL	ALL	201	Product-Hierarchy	*12530	
MATERIAL	ALL	ALL	ALL	ALL	202	Product-Hierarchy	*15620	
MATERIAL	ALL	ALL	ALL	ALL	203	Product-Hierarchy	*17720	
MATERIAL	ALL	ALL	ALL	ALL	204	Product-Hierarchy	*17730	
MATERIAL	ALL	ALL	ALL	ALL	205	Product-Hierarchy	*20350	
MATERIAL	ALL	ALL	ALL	ALL	206	Product-Hierarchy	*20360	
MATERIAL	ALL	ALL	ALL	ALL	207	Product-Hierarchy	*20370	
MATERIAL	ALL	ALL	ALL	ALL	208	Product-Hierarchy	*22500	

Presently changes to the rules of the following tables will execute a mass update of the affected objects:

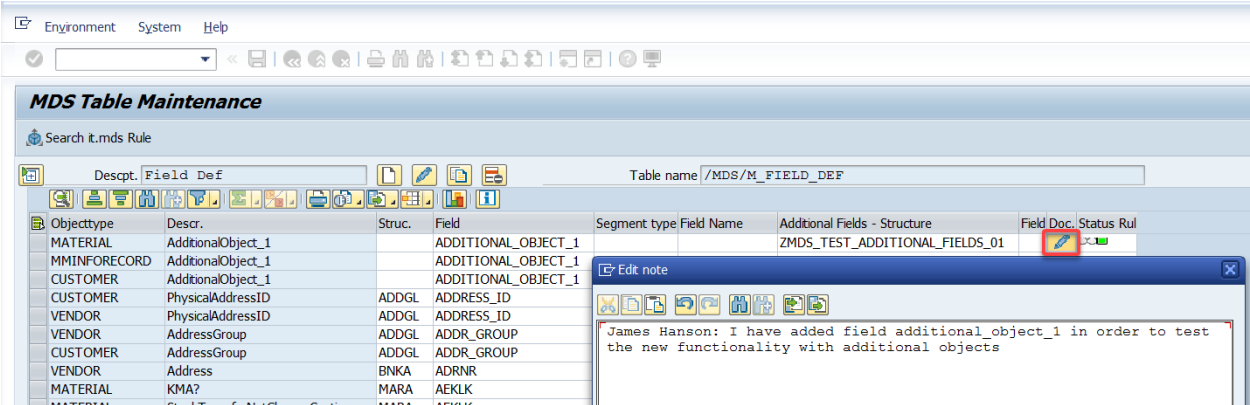
- Changes to profile content
- Changes in dependent values
- Changes in dependent profiles by value

The user will be prompted for a decision regarding updating the relevant objects or not. In the definition phase of it.mds this might not be required and it is possible to switch off the mass update if this is not wanted.

When an update is required it is handled in the following way:
 All affected objects are identified (either via field values or via assigned profiles)
 For each relevant object an it.mds request is created and processed in background.
 It will therefore be the same basic logic in derivation and dependencies that is used in mass updates.

4.10.1 Table documentation

For all the configuration tables in it.mds it's possible to make notes for each line in the table

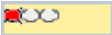


4.10.2 Table rule validation documentation

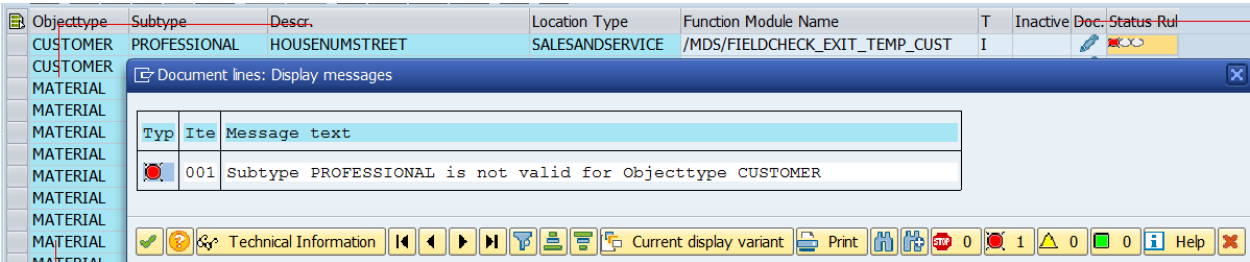
For all the configuration tables in it.mds and icon for rule validation is available



Rule is ok.



Rule is incorrect. You can press the icon to get an error description



Rule validation not active on table

4.11 Function modules

it.mds has built-in possibilities of adding user-exits to execute more complex business rules than possible with standard profiles and dependent values.

Templates of user-exits are delivered with it.mds and are named:

Dependent values (/MDS/DEPVALUES_EXIT_TEMPLATE)

Dependent fields (/MDS/DEPFIELD_EXIT_TEMPLATE)

The templates are copied into customer specific names, and assigned in the tables of dependent values, dependent fields or profiles.

4.12 Additional Fields

it.mds has a functionality called additional fields. Additional fields are saved in it.mds only and are not a part of the master data object. This functionality enables the possibility to have multiple different fields for any custom needs. It can be a custom structure and a custom field, but you can also reuse any SAP standard structure and field.

4.13 Additional Objects

it.mds has the functionality called additional objects. Additional objects allows the core objects to initiate the creation of other non-core it.mds objects in SAP. This is done manually via workflow or automatically via a function module. Both manual and automatic additional objects can be processed in parallel or sequentially.

4.13.1 Additional Objects Manual

This will create a work item via workflow which is processed via SAP standard inbox. Work item will guide the user to an SAP std. transaction via buttons in the workflow.



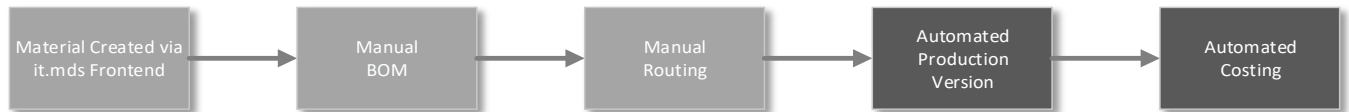
4.13.2 Additional Objects Manual - Work item text

With this feature, it is possible to define your own custom text for the additional object manual work item text, so the SAP inbox will show a more task specific description.

Distribution lists						
Request additional Object type 2						
Exe.	Title	Status	Creation Date	Creation Ti..	P Atta..	Con.. Wor..
🔍	Maintain BOM for Material 65814 Plant 1000	🔄	05.08.2019	16:10:03	5	

4.13.3 Additional Objects Automatic

It will run in the background using ABAP coding (Function Module). Automated objects are very customer specific, and are implemented during project implementation.



4.14 Allowed Field Values

With this functionality it's possible to restrict the allowed values for field. Normally it.mds shows all the values possible when using search help, but for payment terms for vendors and customer, you can restrict to only have e.g. five possible selections even though customizing in SAP Backend has twenty. Currently it's only supported for payment terms.

4.15 Single sign-on

The it.mds web application is started with single sign-on when opening it.mds frontend in the SAP ECC system or when executing a work item from SAP Business Workplace.

4.16 Logon languages

it.mds is delivered in following languages

- English
- German
- French
- Spanish
- Danish
- Turkish
- Polish
- Czech
- Norwegian

The logon language of the SAP ECC system controls the language of the it.mds application. Via parameters it is possible to set a different language than SAP logon language.

4.17 Long text

It is possible to maintain long text for different objects in it.mds.

Language	Meaning	Text is maintained	Text is mandatory	Default visible text	O. Ship
EN	Basic data text	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DA	Basic data text	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
EN	Internal Note	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DA	Internal Note	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

S:rew PZ Double-Countersunk Multipurpose Screws 4 x 40mm 200 Pack

This feature is supported on the following objects:

- Materials Master
- MM Info record
- Customer
- Vendor

4.18 Field value trace

A trace can be activated directly in the it.mds web application. The purpose of the trace is to analyze how a certain value of a field has been derived from the dependent values or profiles. When the trace is on it is possible to click on the hint symbol next to the field and see the rules behind the derived value:

The screenshot shows the SAP MDS web application interface. At the top, there is a navigation bar with the title "MDS - Master Data Simplified - CREATE - W53". Below this, there is a menu bar with options: "Menu", "Send request to SAP", "Extend object", "Copy object", "Save request", "Trace on", and "Cancel request". The "Trace on" button is highlighted with a red arrow.

The main content area is divided into several sections. The "Object & Location" section contains fields for "ObjectType" (Material), "SubType" (Excavator), "Objectnumber", "Phase" (Operation), "ObjectDesc", "LocationID" (Production DK 1 (BP01)), "LocationProfile" (Component Stock), and "Locationtype" (Production). Below this, there are tabs for "Texts", "Global (*)", "Alternative Units of Measure", "Local (*)", "Taxes", "Dependencies", and "Fields - detail (*)". The "Local" tab is selected, and the "Fields" section is active.

The "Fields" section displays a list of fields with their values and a hint symbol (i) next to each. The "Valuation Class (FINANCE): *" field has the value "7920" and a red arrow pointing to its hint symbol. The "Profiles" section shows fields for "DELIVER", "MAKE", and "PLAN" (Plan C. Goods).

Here the valuation class is derived from a dependent value rule:

Descr.	Field value	Prof. Name	Field value	Prof. Name	Field value	Descr.	Field value	Descr.	Field value	Field value
ValuationClass	7920					MaterialType	FERT	AutomaticPO		7920

Here the base unit of measure is derived from a profile:

Descr.	Field value	Prof. Name	Field value	Prof. Name	Field value	Descr.	Field value	Descr.	Field value	Field value
BaseUnitOfMeasure	ST	DEF_EXCAVATOR	ST							

4.19 Digital signature

It is possible to activate digital signature when saving or sending an object request prompting the user to enter his password before the request is saved or send.

it.mds - Master Data Simplified - CREATE

Menu ▾ Save Request Cancel Request Delete Request Send Request Save as draft Copy object Trace off Log Object Changelog

Request for object number 65943 has been saved

© itelligence 2006 - 2019 | All rights reserved | System: AD9 Client: 005 | User: DK13994 | Language: EN

Object & Location

ObjectType: Material LocationID: Production CH (CH01) Search Location

SubType: Material Variant - Sync LocationProfile: Component Stock

Objectnumber: Locationtype: Production

Phase: ALL

ObjectDesc:

Texts (*)

Global

Signature

Authorization Group: it.mds: Digital signature authorization

* Signatory: DK20647 Anna Kirstine Lauridsen * Remark: I approve the creation of the material * Comment:

* Password:

I test configuration 1
 I test configuration 2
 I test configuration 3

Sign Cancel

Digital signature can also be activated for critical fields. E.g. When changing a critical field, the user is prompted to enter a password and a comment before sending the change to approval.

Furthermore, it can also be activated in transaction /MDS/M_MAINTAIN and /MDS/SPRO, so when the business rule administrator changes business rules they are prompted to enter a password and a comment.

4.20 Object classification

It is possible to maintain classification data on objects in a separate tab in the it.mds frontend. The Classification tab can be activated on an object type + subtype level. Assignment of classes to an object is done manually or via a customizing table in it.mds.

The screenshot shows the 'it.mds - Master Data Simplified - CREATE' interface. The main title is 'Material : - sdfdsd (Finished Product)'. Below this, there are fields for 'ObjectType / BP Role' and 'Location'. The 'ObjectType / BP Role' section includes 'ObjectType: Material', 'SubType: Finished products', and 'Objectnumber:'. The 'Location' section includes 'LocationID: Production DK 1 (BP01)', 'LocationProfile: Finished product Stock', and 'Locationtype: Production'. Below these fields is a navigation bar with tabs: 'Texts', 'Global (*)', 'Alternative Units of Measure', 'Local (*)', 'Classification' (selected), 'Taxes', 'Additional EAN', and 'Production V'. The 'Classification' tab is active, showing a table of 'Classes'. The table has columns: 'Class Type', 'Class', 'Description', 'Mandatory', 'Maintained', and 'Stan'. One row is visible: '001 - Material Class', 'MAT_CLASS', 'Class for materials it.mds', with 'Mandatory' and 'Maintained' checkboxes checked. Below the 'Classes' table is the 'Characteristic values' section, which includes a table with columns: 'Description', 'Ownership', 'Document', and 'Char. Value'. Two rows are visible: 'Char format single value' and 'Char format multiple value'.

Classes and characteristics can be set as mandatory, as this is not read from the characteristic in ECC backend. Hierarchy on Characteristic is also supported.

it.mds supports the following tables:

- MARA for Materials
- LFA1 for Vendors
- KNA1 for Customers
- EQUI for Equipment
- IFLOT for Functional Location

4.20.1 Document Info record in classifications

In Classification - Document Info Records can be assigned at three different levels:

- On Class level
- On Characteristic level

- On Characteristic value level

In it.mds it is possible to view the content of the document info record.

4.20.2 DMS in classifications

In Classification - DMS documents can be assigned at three different levels:

- On Class level
- On Characteristic level
- On Characteristic value level

it.mds supports display of DMS documents on these three levels: An icon indicates whether a document is assigned – on either level:

For Class and Characteristic:

Classification

Classes

Class Type	Class	Description	*	Mandatory	Maintained	Document
300 - Variants	MPD_CLASS	MPD class		<input type="checkbox"/>	<input type="checkbox"/>	
001 - Material Class	AFO_MDS_001	afo mds test class		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
001 - Material Class	MAT_DAN_GOODS	Class for mat dang goods		<input type="checkbox"/>	<input type="checkbox"/>	
001 - Material Class	MAT_CLASS	MDS Material Classification		<input type="checkbox"/>	<input type="checkbox"/>	
001 - Material Class	ZMDS_MM_BASIC	Used for test issue 353		<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Characteristic values

Description	Document	Char. Value
Charakteristic 1		Value One with a long descript
		Value 2 with a long descriptio

and in the F4 popup for Characteristic value:

Search: Char. Value

Characteristic: AFO_MDS_001 Filter:

Description: Charakteristic 1 Characteristic Value:

Format: CHAR Characteristic Description:

Selection	Char. Value	Description	Document
<input checked="" type="checkbox"/>	1	Value One with a long descript	
<input checked="" type="checkbox"/>	2	Value 2 with a long descriptio	

By clicking either of these icons the assigned DSM Document is displayed in a popup window.

4.20.3 Dependent values

A characteristic value can derive another characteristic value or a standard field value. Standard global and local fields can derive characteristics values. Since classification is Global data we recommend to use global rules only.

4.20.4 Profiles

Characteristics values can be set through global and local profiles

4.20.5 Dependent profiles

Profiles can be derived from characteristics values

4.20.6 Dependent locations

Locations can be derived from characteristics values

4.20.7 BAPI assignment

The assignment of classes and characteristic values is supported by the following BAPI's:

/MDS/BAPI_CREATE_REQUEST_LSMW

/MDS/BAPI_CREATE_CUSTOMER_LSMW

/MDS/BAPI_CREATE_VENDOR_LSMW

4.21 Alternative units of measure

it.mds supports alternative units of measure.

Texts	Global	Alternative Units of Measure	Additional EAN	Quality Management	Business document link	Local (*)	Classification	Taxes	Production Versions	MRP Areas	Dependencies	Field	
Alternative Units of Measure													
	Denominator	AlternativeUnit	Counter	EAN/UPC	EAN category	Length	Width	Height	Unit	Volume	Volume unit	Gross weight	Weigh
	1	PC	1			1	1	1	MM	0,000			
	1	KG	20			0,000	0,000	0,000		0,000		0,000	
	1	G	2,000			0,000	0,000	0,000		0,000		0,000	

This feature is supported on the following object

- Material Master

4.22 Batch specific unit of measure

It.mds supports batch specific unit of measure for materials.

© itelligence 2006 - 2017 | All rights reserved | System: W53 | Client: 100 | User: AKL | Language: EN

Search - change mode

ObjectType: Material LocationID: Production DK 1 (BP01)
 SubType: Finished products LocationProfile: Component Stock
 Objectnumber: MKB12 Locationtype: Production
 ObjectDesc: Test MDS Proportion units Engineering Chg Man

Texts Global Alternative Units of Measure **Proportion/Prod unit** Local Classification Taxes Additional EAN Production Versions MRP Areas Dependencies Fields - detail Quality Management BOM Business document link DMS Document Link

Base Unit: ML ml
 Units of meas. usage: A Proportion unit
 Hide Characteristics without unit of measure

New	Delete	Delete Unit of measure	Change UoM to Alternativ UoM	Status	Characteristic	Description	Plan Value	Unit of meas/ml	Ech-specific Un	Leading Un	Valuated Un	UoM sort no.	Denominator	Alternative Unit	Meas. unit text	Numerator	Base Unit
				✓	PROPORTION_UNIT19	Gram Gold (GAU)	21 GAU	GAU	GAU			00	21	GAU	g acting	1	ML
				✗	PROPORTION_UNIT10	Proportion Unit %		%				00	0			0	ML
				✗	PROPORTION_UNIT12	Jules		J				00	0			0	ML
				✗	PROPORTION_UNIT16	Proportion Unit %		%				00	0			0	ML
				✗	PROPORTION_UNIT17	Proportion Unit %		%				00	0			0	ML

This feature is supported on the following object

- Material Master

4.23 Inspection types

For materials it is possible to maintain one or more inspection types in the Quality Management tab of the it.mds frontend. Using rules, it's possible automatically assign Inspection types. Customizing is read from backend for each inspection type. Fields and values not set by customizing, can be set via rules in it.mds.

Texts Global (*) Alternative Units of Measure **Quality Management** Local (*)

Inspection Types

New Delete

Inspection Type	Short Text	PreferredInsTyp	InspType-Mat
00	Stock transfer inspection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
01	Goods Receipt Insp. for Purchase Order	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Detailed information on Inspection Type

Insp with TList: Indicator is set
 Insp. with spec.:
 Auto assignment: Indicator is set
 Check Chars: Indicator is set
 Post to insp. stlc: Indicator is set

This feature is supported on the following object:

- Material Master

4.24 Additional EAN

For materials, it is possible to maintain additional EAN's in it.mds for materials.

Texts	Global (*)	Alternative Units of Measure	Additional EAN	Quality Management	Lc
Additional EAN					
New Delete					
Unit of Measure	Meas. unit text	Main EAN	EAN/UPC	EAN category	AutoCheckDigit
PC	Piece	<input checked="" type="checkbox"/>	2050000000003	IE	<input type="checkbox"/>

When this function is active, the EAN number and Category field in Alternative units of measure will be inactive.

This feature is supported on the following object

- Material Master

4.25 Business Document Link

It is possible to maintain document links on the Business document link tab in the it.mds frontend. It is also possible to store attachment and notes. However, the user needs the authorization for adding notes as they would need in SAP standard. Currently this only works for Materials in it.mds.

BOM	Business document link	DMS Document Link	
Business document link			
Select Business Document		Document preview	
<input type="button" value="Add Business document"/> <input type="button" value="Add attachment"/> <input type="button" value="Add Note"/>			
<input type="text"/> <input type="button" value="Durchsuchen..."/>			
Description: <input type="text"/>			
Document Overview			
<input type="button" value="Delete"/> <input type="button" value="Change description"/> <input type="button" value="Save description"/>			
Icon	Description	Type	Attachment

For additional configuration in it.mds see configuration guide.

This feature is supported on the following object

- Material Master

4.26 Document management object links

With the object tab DMS document link, it is possible to view SAP DMS documents in it.mds.

Furthermore, it is also possible to maintain the object link to it.mds objects.

Default set current version, this is current released version.

it.mds - Master Data Simplified - CREATE

Menu | Goto WF Inbox | Switch to BP View | Save Request | Cancel Request | Delete Request | Send Request

© itelligence 2006 - 2018 | All rights reserved | System: APD | Client: 101 | User: TDL | Language: EN

Material : (Semifinished Product)

ObjectType / BP Role — **Location**

ObjectType: Material
SubType: Semifinished products
Objectnumber:

LocationID: Production DK 1 (BP01)
LocationProfile: Component Stock
Locationtype: Production
Engineering Chg.Man:

◀ DMS Document Link | Storage Type

DMS Document Link

Linked Documents — **Document preview**

Current version
 All versions

New | Delete | Upload Document

Document Type	Document	Document part	Doc. version	Description	Status Text

Width: 850

This feature is supported on the following object

- Material Master
- Vendor
- Customer

4.27 Engineering change management (ECM)

It is possible to use engineering change numbers for the object type material. The change number must be created in the backend before attaching it to the material request.

it.mds - Master Data Simplified - CREATE

Menu | Goto WF Inbox | Switch to BP View | Save Request | Cancel Request | Delete Request | Send Request

© itelligence 2006 - 2018 | All rights reserved | System: APD | Client: 101 | User: TDL | Language: EN

Material : (Semifinished Product)

ObjectType / BP Role — **Location**

ObjectType: Material
SubType: Semifinished products
Objectnumber:

LocationID: Production DK 1 (BP01)
LocationProfile: Component Stock
Locationtype: Production
Engineering Chg.Man:

Use of engineering change numbers is also available for Classification. If a class is configured to use ECM, a box per class type will appear next to the Classification Table.

Classification

Classes

New Delete

Class Type	Class	Description	Mandatory	Maintained	Standard Class	Document
001 - Material Class	PBV_TEST	PBV_TEST	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Class Type Engineering Chg.Man.

001

This feature is supported on the following object:

- Material Master

4.28 Variant configuration

On material master it is possible to maintain variant configuration on a client and plant level in a separate tab in the it.mds frontend. The Variant Configuration tab will appear when a valid configurable material is entered at global or local level.

it.mds - Master Data Simplified - CREATE

Menu Goto WF Inbox Switch to BP View Save Request Cancel Request Delete Request

© itelligence 2006 - 2018 | All rights reserved | System: APD | Client: 101 | User: TDL | Language: EN

Material : - test (Finished Product)

ObjectType / BP Role Location

ObjectType: Material LocationID: Production DK 1 (BP01)

SubType: Material Variant LocationProfile: Component Stock

Objectnumber: Locationtype: Production

K DMS Document Link Storage Type Variant Configuration (*)

Variant Configuration

Delete

Basic Data

Description	Char. Value
Engine size	
Cabin	
Front grab	
Rear grab	
Exhaust pipes(*)	
No of shock absorber	

This feature is supported on the following object:

- Material Master

It.mds supports two modes of variant configuration:

- N, No copy of VC data

It.mds only displays cross plant configuration, and can only maintain plant specific configuration.

Note! It is not possible to maintain cross plant configuration in mode N.

- S, Continuous synchronization of VC data

It.mds only maintains the cross plant configuration, and will copy configuration data to all plants.

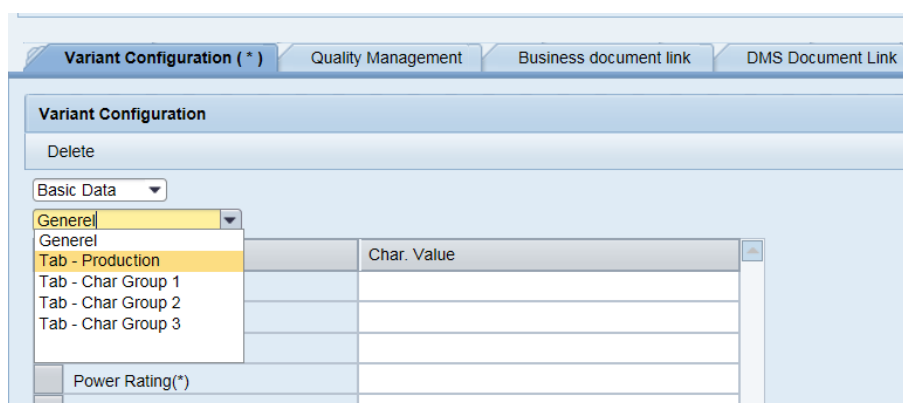
Note! It is not possible to maintain plant specific configuration different then on cross plant configuration level in mode S.

4.28.1 Dependencies and Profiles

The characteristic values in variant configuration cannot be derived from other fields or profiles. It is possible to derive global or local fields based on single value characteristics from variant configuration. Variant configuration classes as well as characteristics can be set as mandatory. It is not possible to do a Send request if mandatory classes or characteristics are not maintained.

4.28.2 User interface

When using Interface design with variant configuration, the characteristics groups defined as tabs or push buttons will be presented as a drop down list in it.mds



4.29 Vendor Sub Range or Plant relevant purchasing

With this feature it's possible to create vendor sub range or plant relevant sub range, which allows the maintained of different purchasing data and partners for vendor sub-ranges in the vendor master

record in it.mds

it.mds - Master Data Simplified - CREATE

Menu ▾ Save Request Cancel Request Delete Request Send Request Copy object Trace off

© itelligence 2006 - 2016 | All rights reserved | System: W53 | Client: 100 | User: TDL | Language: E

Object & Location

ObjectType: Vendor LocationID: Purchase BP01
 SubType: Vendor LocationProfile: Company Code BP01 Purch.Org. BP01
 Objectnumber: AIRBUS Locationtype: Production
 ObjectDesc:

Global Global Address (*) Texts Contact Person Partner Functions Additional Data

Global

Fields

Alternative Payee (BASIC):

Tax Number 1 (BASIC):

Tax Number 2 (BASIC):

Liabie For Vat (BASIC):

Telephone 2 (BASIC):

VendorSubRangeRelevant (FINANCE):

PlantLevelRelevant (FINANCE):

To enable the additional data tab, a checkmark in vendor sub range or plant relevant field must be set.

In the additional data tab, it possible to maintain e.g. purchase data or partners for the different sub ranges. A checkmark in alternative purchase data or alternative partners has to be set in order to maintain the data.

Global | Global Address (*) | Texts | Contact Person | Partner Functions | **Additional Data (*)**

New Delete

Vendor Subrange	VSR description	Plant	Name 1	AltPurchData	AltPartnerFunc	
RANGE1	For metal parts			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RANGE2	For plastic parts			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Purchasing Data

Terms Of Payment (SCM): 0001

Order Currency (SCM): * EUR

ABC Indicator (SCM): C

AddDataPlant (SCM):

AddDataPurchasingOrganization (SCM): BP01

AddDataVendor (SCM):

Automatic Po (SCM):

Centyimposedpurchasingblock (SCM):

Confirmation Control (SCM):

Schema Group, Vendor (SCM):

Incoterms (SCM): CIF

Incoterms Part 2 (SCM): Cost and freight

4.30 Multiple VAT

As of it.mds release 5.8.0, it possible to maintain multiple VAT for vendors and customers

it.mds - Master Data Simplified - CREATE

Menu | Save Request | Cancel Request | Delete Request | Send Request | Copy object | Trace off

© itelligence 2006 - 2016 | All rights reserved | System: W53 | Client: 100 | User: TDL | Language: EN

Object & Location

ObjectType: Vendor | LocationID: Purchase 0001
 SubType: Vendor (int.number assignmnt) | LocationProfile: Company Code 0001 Purchasing Org. 0001
 Objectnumber: | Locationtype: Production
 ObjectDesc:

Global Address (*) | Global (*) | Texts | Contact Person | Partner Functions | Bank data | Local (*) | Classification | Withholding tax | Dependencies | Fields - detail | **Multiple VAT numbers**

Multiple VAT numbers

New Delete

Country	VAT Reg. No.
DE	DE875845847
DK	DK20494788

4.31 Configuration download / upload

It is possible to select and download it.mds configuration tables to a local folder as text files with transaction /MDS/CLEANUP_REQUEST. Text files can be uploaded to the it.mds configuration tables. It is possible to have the existing data deleted so that the configuration tables will only contain the data from the files.

MDS: Maintain Request-tables

Only relevant in BatchMode

Choose Tab

Delete Request Tables | Maintain Table /MDS/REQUESTOBJ | Maintain Table /MDS/M_CLASSOBJ | Up-/Download it.mds

Folder

Folder

Control

Upload Delete existing Rows in Table during Upload

Download

Include Tables

Include Tables in /MDS/M_MAINTAIN

Include Tables in /MDS/SPRO

Additional Tables

4.32 Search Rules

It is possible to search for rules using fields or profile tab with the transaction /MDS/SEARCH_RULE. By selecting a field in the result list, it's possible to identify which tables the field is defined. This will

be highlighted with color blue.

Search it.mds Rules

Object
Objecttype MATERIAL to []

Fields Profiles

Selections
Descr. [] to []

Table /MDS/M_FIELDS

Subtype	[]	to	[]	[]
Location Type	[]	to	[]	[]
Prof. Type	[]	to	[]	[]
Local	[]	to	[]	[]
Dep.	[]	to	[]	[]
Where	[]	to	[]	[]
ChangeCheck	[]	to	[]	[]
O. Ship	[]	to	[]	[]
Active	[]	to	[]	[]
Mandatory	[]	to	[]	[]
Sort	[]	to	[]	[]

Table /MDS/M_FIELD_DEF

Struc.	[]	to	[]	[]
Field	[]	to	[]	[]
Segment type	[]	to	[]	[]
Field Name	[]	to	[]	[]

Search it.mds Rules

Field(s) found : 570 - CommodityCode

Descr.	Objecttype	Subtype	Descr.	Location Type	Prof. Type	Local	Dep.	Where	ChangeChk.	O. Ship	Active	Mandatory	Sort	
Batchmanagementindicator	MATERIAL	ALL	Batchmanagementindicator	ALL		N		1	0	BASIC	X	1	999	
BomUsage	MATERIAL	ALL	BomUsage	ALL		Y		4	0	PLAN	X	1	999	
BulkMaterial	MATERIAL	ALL	BulkMaterial	ALL		Y		2	0	SCM	X	1	202	
CADIndicator	MATERIAL	ALL	CADIndicator	ALL		N		2	0	BASIC	X	1		
CT0000001	MATERIAL	ALL	CT0000001	ALL		N		5	0	BASIC	X	1	999	
CT0000002	MATERIAL	ALL	CT0000002	ALL		N		5	0	BASIC	X	1	999	
CT0000003	MATERIAL	ALL	CT0000003	ALL		N		5	0	BASIC	X	1	999	
CategoryofInterArticleNoEAN	MATERIAL	ALL	CategoryofInterArticleNoEAN	ALL		N		2	1	0	BASIC	X	1	999
CheckingGrpforAvailablCheck	MATERIAL	ALL	CheckingGrpforAvailablCheck	ALL		Y		2	2	0	SCM	X	207	
ClassificationDate	MATERIAL	ALL	ClassificationDate	ALL		N		5	0	BASIC	X	1	999	
CommodityCode	MATERIAL	ALL	CommodityCode	ALL		Y		1	0	SCM	X	1	203	
ConfigurableMaterial	MATERIAL	ALL	ConfigurableMaterial	ALL		Y		1	0	BASIC	X	1	999	
Consumptionmode	MATERIAL	ALL	Consumptionmode	ALL		Y		2	0	SCM	X	1	250	
Consumptionperiodbackward	MATERIAL	ALL	Consumptionperiodbackward	ALL		Y		2	0	SCM	X	1	251	
Consumptionperiodforward	MATERIAL	ALL	Consumptionperiodforward	ALL		Y		2	0	SCM	X	1	252	
CostingLotSize	MATERIAL	ALL	CostingLotSize	ALL		Y		4	0	PLAN	X	1	999	
Countofvofinofthmaterial	MATERIAL	ALL	Countofvofinofthmaterial	ALL		Y		1	0	BASIC	X	1	202	

CommodityCode is highlighted in blue in the original image.

Navigation tree:

- it.mds Rule Table
 - /MDS/ADD_OBJECTS
 - /MDS/EMAIL
 - /MDS/EMAIL_GRP
 - /MDS/M_ALLFLDVAL
 - /MDS/M_DEFCLASS
 - /MDS/M_DEFQOM
 - /MDS/M_DEF_MAKT
 - /MDS/M_DEF_SUBT
 - /MDS/M_DEPFIELDS
 - /MDS/M_DEPLOC
 - /MDS/M_DEPMANFLD
 - /MDS/M_DEPOBJ
 - /MDS/M_DEPAPPROVAL
 - /MDS/M_DEPTABLE
 - /MDS/M_DEPVALUES
 - /MDS/M_DEPVAL_VC
 - /MDS/M_ECM
 - /MDS/M_FIELDCHK**
 - /MDS/M_FIELD_LOC
 - /MDS/M_FIELD_T
 - /MDS/M_IDOC_FLD

Detail view for /MDS/M_FIELDCHK - User-exit: Field check

Objecttype	Subtype	Descr.	Loc. Type	Function	Module	Name	T	Inactive	Status	Rul
MATERIAL	ALL	CommodityCode	ALL	/MDS/FIELDCHECK_MARC_STAWN	E				CC	

A green arrow points to the 'Status' column containing 'CC'.

On some Rules a Customizing check is done:



No error were found





Error was found. Press the Traffic Light for explanation

 No Customizing check done












4.33 Search Request

Search request makes it easier to search for different requests that has been created for an object.

Search it.mds RequestID's

Selections

Objecttype	<input type="text" value="MMINFORECORD"/>	<input type="checkbox"/>	<input type="text"/>	
Request ID	<input type="text"/>	to	<input type="text"/>	
Location ID	<input type="text"/>	to	<input type="text"/>	
Loc. Prof.	<input type="text"/>	to	<input type="text"/>	
Subtype	<input type="text" value="STANDARD"/>	to	<input type="text"/>	
Phase	<input type="text"/>	to	<input type="text"/>	
Object nr	<input type="text"/>	to	<input type="text"/>	
MDS: Created by	<input type="text"/>	to	<input type="text"/>	
Created	<input type="text" value="26.01.2015"/>	to	<input type="text"/>	
Creation Time	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	
Status	<input type="checkbox"/>	to	<input type="checkbox"/>	

On the result page it's possible to navigate to the IDOC.

it.mds Request Tables

- /MDS/REQUESTIDOC
- /MDS/REQUESTLOG
- /MDS/REQUESTPROF
- /MDS/REQUEST_TXT
- /MDS/REQUESTMAKT

/MDS/REQUESTIDOC - MDS: Request link to IDOC

Request ID	IDoc number	Messg.Type	Basic type	Extension	Created on	Created at	Status
005056947EA91EE4A9AE0EBA9250C7D3	233823	MATMAS	MATMAS05	ZMDSEXT4	26.01.2015	16:32:08	53

4.34 Address management

it.mds supports two address management solutions for the customer and vendor master:

A simple solution setup based on the address fields available in table KNA1 and LFA1 and the IDOC type DEBMAS and CREMAS

An enhanced solution based on the structure BAPIAD1VL using BAPI_ADDRESSORG_CHANGE

For each object type it must be decided which setup to use.

With the enhanced address management solution it is possible to maintain address fields that are not possible to maintain with the simple solution and the maintenance takes place in a separate tab view in the frontend:

The screenshot shows the 'Global Address (*)' tab in a SAP system. The form is titled 'Address' and contains the following fields:

- Title (BASIC) GL: [Dropdown]
- NAME1 (BASIC) : * [Text]
- NAME2 (BASIC) : [Text]
- NAME3 (BASIC) : [Text]
- Search term (BASIC) : [Text]
- Street and house number (BASIC) : [Text]
- City (BASIC) : [Text]
- PostalCode (BASIC) : [Text]
- POBox (BASIC) : [Text]
- Country (BASIC) : * [Text]
- Street Address Undeliverable F (BASIC) GL: [Dropdown]
- LanguageKey (BASIC) GL: * [Text: English]

Furthermore it is possible to maintain landline telephone numbers, mobile numbers, fax numbers, email addresses and URL's in the Global address tab.

With the simple solution the address fields are maintained in the Global fields tab and the telephone numbers and email addresses are maintained in separate tabs.

It's also possible to use address validation with the new address solution, if this is active in the backend. Currently in it.mds it's possible for city, postal code and street.

4.35 International Address Version

With Version 5.8.4 you have the possibility to use International address Version in it.mds Frontend. Be aware that the SAP std. Customizing still needs to be done.

ObjectType: LocationID:
 SubType: LocationProfile:
 Objectnumber: Locationtype:
 ObjectDesc:

International versions

Address Version	Version text	
	Standard Address	
A	Arabic	<input type="button" value="Create international version"/>
B	Hebrew	<input type="button" value="Create international version"/>
C	Chinese	<input type="button" value="Delete international version"/>
I	International	<input type="button" value="Delete international version"/>

Address

Title (SCM) GL:

*Name 1 (SCM):

Please also maintain the PARAMETER Table for a more convenient use. Be aware that Field checks are not working on any International Address Version fields.

MDS Customizing

Search It.mds Rule

Table /MDS/M_PARAMETER

Objecttype	Function	Condition	Field name	Consta	Descript.	Value
CUSTOMER	ADDINT	CONTACT_PERSON	TRANSPZONE		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	COUNTRY		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	DELI_SERV_NUMBER		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	DELI_SERV_TYPE		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	DONT_USE_P		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	DONT_USE_S		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	HOUSE_NO		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	POBOX_CTRY		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	POSTL_COD1		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	POSTL_COD2		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	PO_BOX		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	PO_BOX_REG		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	REGIOGROUP		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	REGION		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	TAXJURCODE		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	TIME_ZONE		INT. ADDRESS FIELD COMMEN	
CUSTOMER	ADDINT	GLOBAL_ADDRESS	TRANSPZONE		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	COUNTRY		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	DELI_SERV_NUMBER		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	DELI_SERV_TYPE		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	DONT_USE_P		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	DONT_USE_S		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	HOUSE_NUM1		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	LANGU		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	LANGU_P		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	POST_CODE1		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	POST_CODE2		INT. ADDRESS FIELD COMMEN	
VENDOR	ADDINT	CONTACT_PERSON	PO_BOX		INT. ADDRESS FIELD COMMEN	

4.36 MRP Areas

The assignment of a material to MRP areas can be done in a separate tab in the it.mds frontend. The assignment must always be done manually. Individual MRP area field values can be maintained manually or by defining dependent value rules. It is also possible to define dependent mandatory MRP area fields.

Texts	Global	Alternative Units of Measure	Additional EAN	MRP Areas	Quality Mar
MRP Areas					
New					
MRP Area	MRP Area Text	MRP profile	Forecast Prof.	Deletion I	
STLOCBP01	St.Loc's in plant BP01			<input type="checkbox"/>	
MRP dep. reqmts (PRODUCTION): <input type="text" value="1"/> <input type="button" value="□"/> Materials for dependent Relevant to APO (PRODUCTION): <input type="text" value=""/> <input type="button" value="□"/> Assembly scrap (PRODUCTION): <input type="text" value="2,00"/> Autom.reset (PRODUCTION): <input checked="" type="checkbox"/> <input type="button" value="□"/> Yes MRP Area (PRODUCTION): <input type="text" value="STLOCBP01"/> 02 Fixed lot size (PRODUCTION): <input type="text" value="2,000"/> Max. Lot Size (PRODUCTION): <input type="text" value="0,000"/>					

It is not possible to maintain forecast values or consumption values for MRP areas in it.mds. Because of the 1:n assignment of the material to MRP areas it is not possible to use MRP area fields as condition fields (from field) in, for example, dependent value rules.

This feature is supported on the following object:

- Material Master

4.37 Mass change

A Guided Activity Floorplan application can be used to create mass changes too many objects using it.mds. The application is called from a separate transaction and guides the user through four steps to create the requests, which are executed in the background with or without dependent locations and objects. NetWeaver 7.02 or higher is a prerequisite.

4.38 Creation and Maintenance of Bill of Material

It is possible to create and maintain Bill of Materials in the it.mds Frontend. Please be aware that only a limited number of fields are available in this solution.

Material BOM

Material	Plant	Usage	BOM	Alternative
11318			NEW1	

BOM Header Overview

Unit (BASIC):

Base quantity (BASIC):

CAD Indicator (BASIC):

Valid From (BASIC):

Laboratory/design office (BASIC):

Alternative BOM Text (BASIC):

Alternative BOM (BASIC):

BOM status (BASIC):

Base Category (BASIC): Material BOM

Technical status from (BASIC):

N BOM TEXT (BASIC):

BOM Item Overview

Item	Item Category	Component	Component desc.	Component unit	Quantity	Valid From	To

4.39 Production versions

it.mds supports maintenance of production versions for object type materials. A production version determines which alternative BOM is used, together with which task list to produce a material or create a master production schedule.

Production Versions

Prod. Version	Prodn Version Text	Valid from	Valid to	Consistency Check	Date of last check
0001	Production version	08.10.2018	31.12.9999	⊗○○	08.10.2018

Detailed information on Production Version

Task List Type (PLAN):

Group (PLAN):

Group Counter (PLAN):

Note! It is not possible to use profiles or dependent values to set field values for production versions fields.

This feature is supported on the following object:

- Material Master

4.40 Unloading Point

With this feature it is possible to maintain Unloading Points

it.mds - Master Data Simplified - Business Partner

Goto WF Inbox | Save Request | Cancel Request | Delete Request | Send Request | Trace off | Reject | Log | Object

© itelligence 2006 - 2018 | All rights reserved | System: APD | Client: 101 | User: TDL | Language: EN

ORGANIZATION : test / 6400 Odense

ObjectType / BP Role — **Location** — **Role Detail ()**

Role: Customer | LocationID: Customer SO BP01
 SubType: SO Customer - IntNo | LocationProfile: Customer SO BP01
 Objectnumber: 000000323 | Locationtype: Sales and Service

Business Partner | Relationship | Global | Taxes | Partner Functions | Dunning Areas Accounting | **Unloading Points**

Unloading Points

New | Delete | Copy | Delete times

Unloading Point	Default unld.pt	Cust.calendar	Text	Goods rec.hours	Description
001	<input type="checkbox"/>	01	Germany (Standard)		

This feature is supported on the following object

- Customer

4.41 Dunning Area

With this feature, it is possible to maintain Dunning Area

ORGANIZATION : sdfdsfds / 6400 sdfdsfds

ObjectType / BP Role — **Location** — **Role Detail ()**

Role: FI Vendor (defined) | LocationID: Vendor FI BP01
 SubType: FI Vendor - IntNo | LocationProfile: Vendor FI BP01
 Objectnumber: 0001000511 | Locationtype: Purchasing

Business Partner | Relationship | Global | Taxes | Partner Functions | **Dunning Areas Accounting** | Addit

Dunning Areas Accounting

New | Delete

Dunning Area	Dunn.Procedure	Last Dunned	Dunn. Block	Dunning Level	Dunning Clerk	Leg.Dunn.Proc.
	1001	09.10.2018		1		
01	1002	25.09.2018		2		

This feature is supported on the following objects

- Customer
- Vendor

4.42 Measuring Points

With this feature it's possible to create Measuring Points.

Measuring Points/counters	
New	Delete
Measuring point	MeasPosition
1	

Measuring Point: General Data	
Description (BASIC):	<input type="text"/>
MeasPoint is counter (BASIC):	<input type="checkbox"/>
Decimal Places (BASIC):	0 <input type="checkbox"/>
FloatPointExp. (BASIC):	0 <input type="checkbox"/>
Code Group (BASIC):	<input type="text"/> <input type="checkbox"/>
ValCode sufficient (BASIC):	<input type="checkbox"/>
Assembly (BASIC):	<input type="text"/> <input type="checkbox"/>
Authorization Group (BASIC):	<input type="text"/> <input type="checkbox"/>
MeasReadTransf. (BASIC):	<input type="text"/> <input type="checkbox"/>
Transfer of (BASIC):	<input type="text"/>
Target Value (BASIC):	<input type="text"/>
Text (BASIC):	<input type="text"/>
Lower range limit (BASIC):	+ <input type="text"/>
Upper range limit (BASIC):	+ <input type="text"/>

It.mds Rule Framework can be used on Measuring Points

This feature is supported on the following objects

- Functional Location
- Equipment

4.43 Vendor Sub Range or Plant relevant purchasing

With this feature it is possible to create vendor sub range or plant relevant sub range, which allows the maintenance of different purchasing data and partners for vendor sub-ranges.

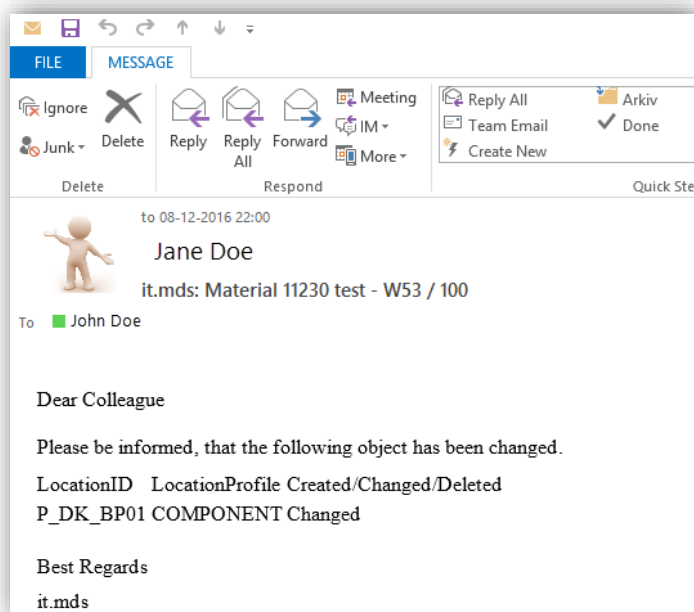
Business Partner	Relationship	Global	Texts	Partner Functions	Additional Data	Local	Classification														
<div style="display: flex; justify-content: space-between;"> New Delete </div> <table border="1"> <thead> <tr> <th>Suppl. Subrange</th> <th>VSR description</th> <th>Plant</th> <th>Name 1</th> <th>AltPurchData</th> <th>AltPartnerFunc</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1010</td> <td>Plant 1 DE</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>								Suppl. Subrange	VSR description	Plant	Name 1	AltPurchData	AltPartnerFunc				1010	Plant 1 DE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Suppl. Subrange	VSR description	Plant	Name 1	AltPurchData	AltPartnerFunc																
		1010	Plant 1 DE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>															
<h3>Purchasing Data</h3> <p>Purchasing Org. (PURCHASE): <input type="text" value="1010"/></p> <p>Vendor Subrange (PURCHASE): <input type="text"/></p> <p>Plant (PURCHASE): <input type="text" value="1010"/></p> <p>Pur. block POrg (PURCHASE): <input type="text"/> <input type="button" value="Copy"/></p> <p>Del. flag POrg. (PURCHASE): <input type="text"/> <input type="button" value="Copy"/></p> <p>ABC indicator (PURCHASE): <input type="text"/></p> <p>Order currency (PURCHASE): <input type="text" value="DKK"/> <input type="button" value="Copy"/></p>																					

This feature is supported on the following object:

- Vendor

4.44 Email Notification

it.mds supports the possibility to send an email to the requester or the workflow participants or a specific user that an object has been created or changed. Furthermore, it's also possible to define a custom header, body and footer.



This feature is supported on the following objects

1A.00533_it.mds_Functional_6.7.0_EN

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- Material Master
- MM Info record
- Vendors
- Customer

4.45 Request and object Change Log

From Release 5.8 it is possible to see the Change Log for each request in the WDA Inbox. This can be done by executing the request from the web WF inbox and clicking on the Request Change Log.

Counter	Request Update	Status	User	Date	Time	Table	Change ID	Table Keys Long Converted to CHAR	Additional Info	Field Name	Short text	Old value	New value
1	2	TDL	TDL	12.08.2017	11:31:44	/MDS/REQUESTMARA	U	100005056B101941EE79FE8217030107800		MATKL	Material Group	02	
1	2	TDL	TDL	12.08.2017	11:31:44	/MDS/REQUESTMARA	U	100005056B101941EE79FE8217030107800		PRDHA	Product hierarchy	000010000100000001	
1	2	TDL	TDL	12.08.2017	11:31:44	/MDS/REQUESTMARC	U	100005056B101941EE79FE8217030107800		BESKZ	Procurement Type	F	E

This feature is supported on the following objects

- Material Master
- MM Info record
- Customer
- Vendor

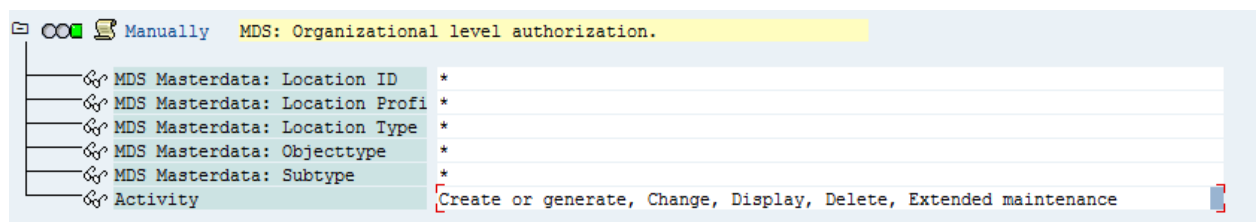
4.46 Authorization concept

The it.mds application is delivered with its own set of authorization objects, which can be used in existing SAP roles or in new roles:

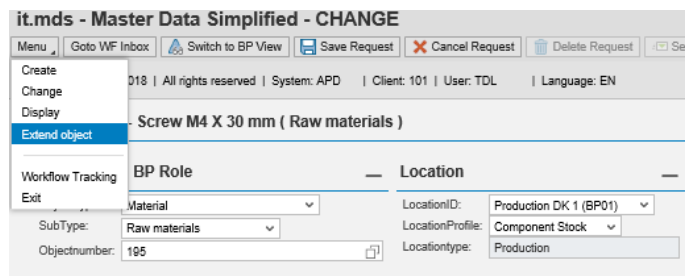
- /MDS/ORGAN – Define the organizational authorization
- /MDS/OWNER – Define profiles and fields a user can maintain or display based on ownership.

4.46.1 Authorization based on organizational level

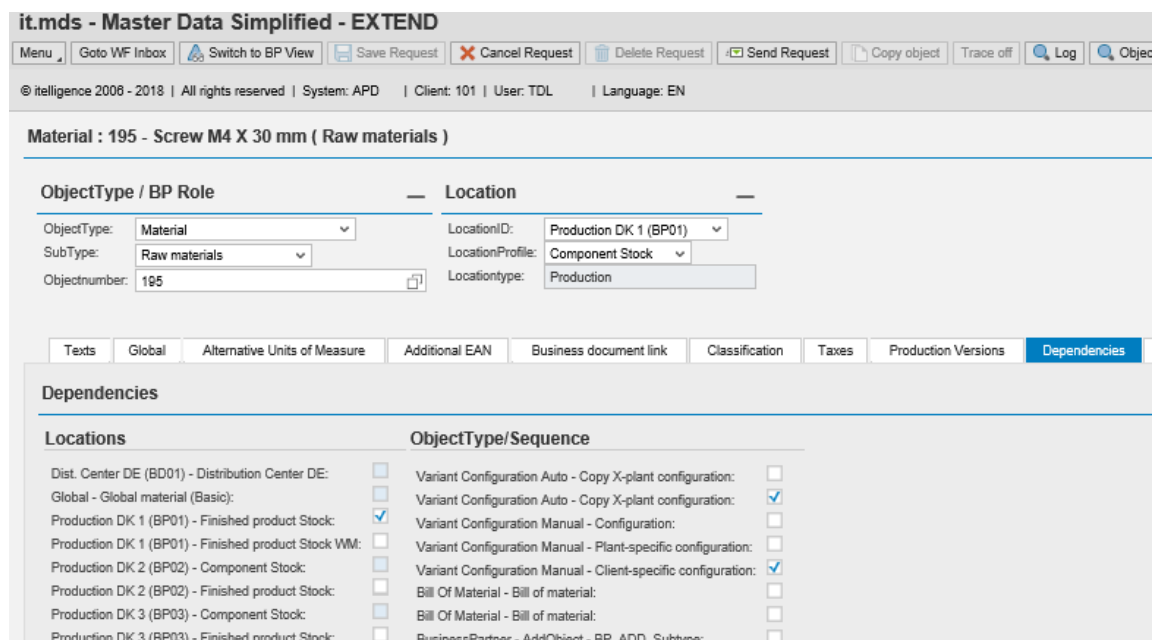
The authorization object /MDS/ORGAN controls the allowed elements and activities of the Object & Location section in the it.mds web application:



Extend object requires that users have access to extend object to other locations or objects.

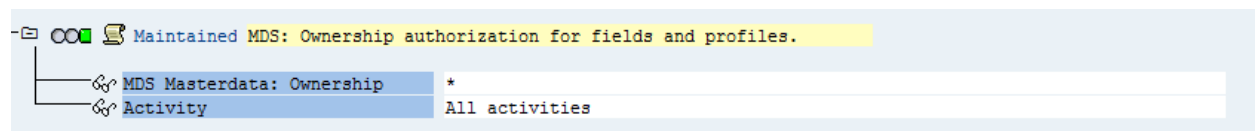


On the dependency tab, it is only possible to set a tick mark in the locations where the user has access to activity "extended maintenance".



4.46.2 Authorization based on ownership

The authorization object /MDS/OWNER controls the allowed fields and profiles, which the user may change or display in the frontend.



This authorization object can be used to control whether a user is allowed to change a field value or a profile, or only display the field value or profile, based on the ownership. Fields of a certain ownership can also be hidden for users if no authorization exists in the role of the user (nor change or display).

4.46.3 Additional authorization objects

Additional authorization objects must be assigned to users working with it.mds and generating IDOC and workflows. The authorization objects can be found in the template role MDS_GENERAL_TEMPLATE, which is delivered with the it.mds package. The authorization objects allows users to work with IDOC and work items.

5. Workflow

As a part of the it.mds application different workflow templates are delivered with the it.mds application.

Incompleteness handling, and approval (CREATE and CHANGE mode) and Critical Field Workflow (CHANGE mode) of materials, info records, vendors and customer

BAPI error handling for customers, Vendors and Materials

IDOC error handling of materials (We recommend not using this workflow anymore)

IDOC error handling of info records

IDOC error handling of vendors (We recommend not using this workflow anymore)

IDOC error handling of customers (We recommend not using this workflow anymore)

IDOC error handling of Source List

5.1.1 Incompleteness handling

This workflow enables the requests to be reprocessed in case of incompleteness. If a request is incomplete, and the user saves the request, a WF is started. This WF can be processed via the SAP Business workplace inbox. From here the request can be processed and finalized, i.e. update with BAPI or IDOC (IDOC should only be used for MM Info Record).

The workflow requests are distributed to the relevant owners of the fields, where a value is missing. If the field availability check doesn't contain a value in a request, and the field is defined as mandatory

and owned by SALES, an incompleteness workflow is started, and distributed to the relevant recipients. The recipients can be defined per location and object type. Furthermore you can decide which ownerships should be completed before others and which ownerships are allowed to be completed in parallel

5.1.2 Approval Handling

As part of the incompleteness workflow, it's possible to enable that the request requires approval. E.g. if field critical component is specified, an approval task can be sent to an approval group. Only one for each request, but this task can be send to more than one user. The approval task can also be rejected, and send back to another ownership.

5.1.3 Critical Field Workflow

Like Approval Handling it's also possible to use Critical Field Workflow as part of the incompleteness workflow. However Critical Field Workflow only works in CHANGE mode where it's possible to define own ownerships, and have single or multiple approval levels on specific fields. The following areas per object is supported:

- Material
 - Global / Local fields
 - Material Description
 - Long Text
- Info Record
 - Global / Local fields
 - Long Text
- Customer
 - Global / Local fields
 - Long Text
 - Global Address
 - Contact Persons
- Vendor
 - Global / Local fields
 - Long Text
 - Global Address
 - Contact Persons
 - Bank data

5.1.4 BAPI or IDOC error

When an object is updated with BAPI or IDOC from the it.mds application to SAP, it can happen that the update fails during processing. The errors can be caused by many things – locking, missing customizing, incorrect mds rules etc. The main idea is that we must be able to reprocess the mds requests or do any other actions.

The BAPI / IDOC error handling of an object provides the following options:

Analyze the log in order to determine the error.

Reprocess the update with BAPI or IDOC – the failed request can be reprocessed, e.g. if the material was locked, or if a customizing entry was missing in SAP

Set status of the mds request to delete.

5.1.5 MDS Workflow inbox from Web Dynpro

The new MDS Workflow inbox is implemented as a stand-alone Web Dynpro Component and has been added to the initial screen of the MDS Floorplan Manager application. The WF Inbox will contain Work items related to MDS tasks such as Incompleteness workflows and error handling workflows.

it.mds - Master Data Simplified - CREATE

Continue

MDS Workflow Work Center

Inbox: [Inbox \(625\)](#)
Outbox: [Workflows started by me \(18\)](#) [Workitems forwarded by me \(0\)](#) [Workitems executed by me \(21\)](#)

Inbox - Inbox

View: [Standard View] Refresh Execute Park Delete Details Reserve Replace Log Other Functions

ID	Type	Creator	Language for Texts of Work Item	Text	Task text	Creation Date
632701	W	TKI	EN	Object 535 MDS Request incomplete Object type MATERIAL		08.03.2016
632699	W	TKI	EN	Object 535 MDS Request incomplete Object type MATERIAL		08.03.2016
632697	W	TKI	EN	Object 535 MDS Request incomplete Object type MATERIAL		08.03.2016
632685	W	TKI	EN	Object 535 MDS Request incomplete Object type MATERIAL		08.03.2016
632684	W	TKI	EN	Object 522 MDS Request incomplete Object type MATERIAL		08.03.2016

Object 522 MDS Request incomplete Object type MATERIAL

This MDS request is incomplete in ownership BASIC.

Please change the data for the ownership. If this ownership is the last to be complete, use "Send request". Otherwise use "Save request". If the request is valid for

RequestID: 005056944DAE1EE5AFC1B6CFEB60153B
Objecttype:Material
Objectnumber:522
Location Profile: Distribution Center DE
Location ID: D_DE_BD01
Subtype: Finished products

For further information, please see functional overview MDS web dynpro inbox.

5.1.6 Workflow Agents

Use this report to find which users has a workflow either from incomplete, approval or error handling.

Workitem responsible

it.mds Container Selection Criteria

Objecttype	MATERIAL			
Object nr.	TEST_0001	to		
Subtype		to		
Location ID		to		
Loc. Prof.		to		
Workitem Creator		to		
Workitem Agent		to		

Selection Using Time Period

Creation Date	16.12.2016	to	
Creation Time	00:00:00	to	00:00:00

Selection Using Work Item Properties

Type	W	to	
Status	READY	to	
Priority		to	
Deadline Status		to	
Task	TS00374503	to	
Task Group			

Select Incompleteness Workitems
 Select Error Workitems
 Top-Level Work Items Only

The report will generate an ALV list of the users who has the workflow.

The ALV list can be change where you can add or remove columns, and set as default.

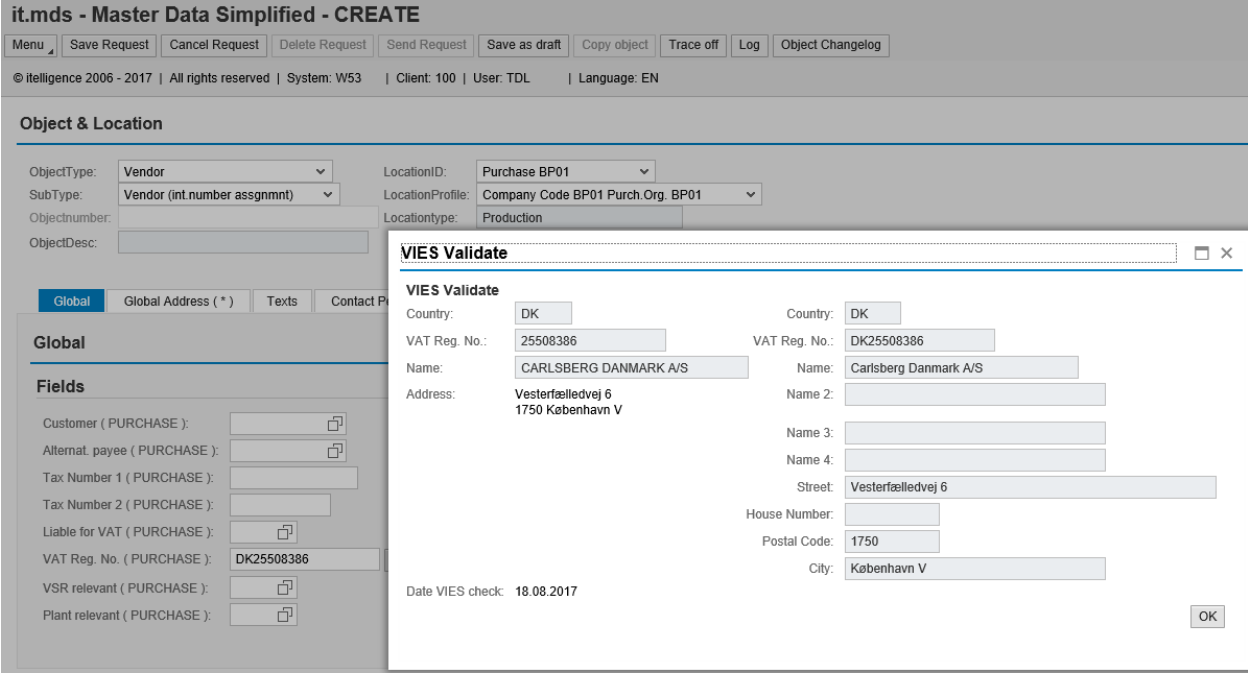
Work Item Selection (14 Entries)

Objecttype	Object nr	Location ID	Loc. Prof.	Subtype	Workflow level	O. Shp	Agent	Task text	Last agent
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	AFO	MDS Request incomplete	AFO
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	ANU	MDS Request incomplete	ANU
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	APE	MDS Request incomplete	APE
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	Claus Lücking	MDS Request incomplete	CLL
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	JKR	MDS Request incomplete	JKR
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	Kenneth Madsen	MDS Request incomplete	KMA
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	LKO	MDS Request incomplete	LKO
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	MKB	MDS Request incomplete	MKB
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	MPD	MDS Request incomplete	MPD
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	Morten Pedersen	MDS Request incomplete	MPE
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	SAPUSER	MDS Request incomplete	SAPUSER
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	TDL	MDS Request incomplete	TDL
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	TKI	MDS Request incomplete	TKI
MATERIAL	TEST_0001	P_DK_BP01	FINISHED	MM_FINISHED	3	SCM	APPROVER_16	MDS Request incomplete	APPROVER_16

6. Interface

6.1 VIES - VAT Information Exchange System

With the VIES interface, you can validate a European tax number against EU's database.

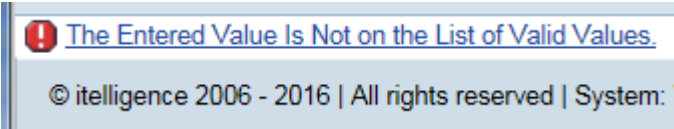


7. Field value validation and field search help

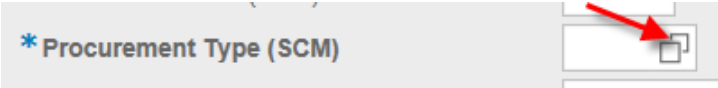
The content of many fields in it.mds were previously not validated as are fields in standard SAP. From release 5.7.0 fields on the Global and Local views in general are validated for correct input. Search help (F4 list) previously only worked for a limited number of fields in it.mds. From release 5.7.0 relevant fields on the Global and Local views in general have a Search help functionality.

7.1 Frontend behavior

If an invalid value is entered in a field then navigation from the current view is disabled until the value is changed or removed.



A list of valid values for a field is available by pressing the F4-button or clicking the Search help icon on the right-hand side of fields.



This will bring up a list of valid values for the specific field like in the below example

Procurement...	Procurement	Short Descript.
E		In-house production
F		External procurement
		No procurement
X		Both procurement types

By clicking a row the corresponding field value is copied back to the field on the primary screen. The list of presented values is identical to the list which is used for field validation mentioned earlier.

7.2 Limitations

Field validation and Search help functionality is currently only implemented for the Global and Local views. Please note that some fields will not work with field validation and search help. E.g. sometimes SAP has developed a field validation into the screens of the transaction, which makes it impossible to make a generic solution for this in web dynpro. For custom z fields, we recommend building your own search help and field check function.

7.3 Requirements

The general Search help functionality is implemented by a functionality which is available from SAP NetWeaver 7.31 and requires that Business Function /MDS/_BF_VERSION_703 is activated in the Switch Framework (via transaction SFW5).

If you are on a lower version than SAP NetWeaver 7.31 you cannot enable the generic search help, and a lot of fields may not have a search help available.

In some cases you can find a SAP standard search help in SE11, and add them to table /MDS/M_SEARCH_F4.

The general field validation functionality requires that business function /MDS/_BF_VERSION_702 is activated in the Switch Framework.

Field validation is activated by switch /MDS/VALUE_CHECK – please refer to Configuration Guide.

Field validation is active for fields which is defined with either a Check table or a Search Help in Data Dictionary:

Field	Data element	Data T...	Foreign ...	Check table	Origin of the input help	Srch Help	D...	Domain
MMSTA	MMSTA	CHAR	<input checked="" type="checkbox"/>	T141	Input help implemented with c...	H_T141	<input type="checkbox"/>	MMSTA
MMSTD	MMSTD	DATS	<input type="checkbox"/>		Input help based on data type		<input type="checkbox"/>	DATUM
MAABC	MAABC	CHAR	<input checked="" type="checkbox"/>	TMABC	Input help implemented with c...		<input checked="" type="checkbox"/>	MAABC
KZKRI	KZKRI	CHAR	<input type="checkbox"/>		Input help with fixed values		<input checked="" type="checkbox"/>	XFIELD

The field validation is built using either of two different concepts:

For most fields the relevant check tables or search helps are called in back-ground during build of the Global and Local tabs in order to find the relevant set of valid values. Some fields however may have thousands of valid values and determining the valid set of values might result in very poor performance in the front-end. This can also result in a field is not valid, even though it's valid in the backend.

For such fields another approach is used:

For fields with many valid values (more than 2000) it.mds (release 5.7.3.2) is delivered with predefined field-check function modules which checks whether an entered value is valid. For defining which fields should use this approach for field validation parameters are set up in a new parameter table /MDS/M_PARAMETER:

This will disable the generic field validation.

Objecttype	Function	Condition	Field name	Constant	Descript.	Doc.
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	BMATN	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_BMATN	
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	GENNR	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_GENNR	
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	MFRNR	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_MFRNR	
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	PMATA	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_PMATA	
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	RMATP	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_RMATP	
MATERIAL	EXPLICIT_VALUE_CHECK	MARA	SATNR	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARA_SATNR	
MATERIAL	EXPLICIT_VALUE_CHECK	MARC	NFMAT	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARC_NFMAT	
MATERIAL	EXPLICIT_VALUE_CHECK	MARC	STDPD	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARC_STDPD	
MATERIAL	EXPLICIT_VALUE_CHECK	MARC	VRBMT	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MARC_VRBMT	
MATERIAL	EXPLICIT_VALUE_CHECK	MKAL	MATKO	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MKAL_MATKO	
MATERIAL	EXPLICIT_VALUE_CHECK	MVKE	PMATN	X	VALUE CHECK PERFORMED IN /MDS/FIELDCHECK_MVKE_PMATN	

In order to re-enable a field check for a field where the generic field validation is disabled, you have to setup the field check in table /MDS/M_FIELDCHK either with a field check delivered in the it.mds package, or you have to develop your own.

Search Help functionality is activated by switch /MDS/SEARCH_HELP – please refer to Configuration Guide.

8. Appendix

8.1.1 Object types supported

The it.mds version 5.0 supports four object types. Each of the object types are handled primarily with SAP standard idoc types:

Material Master - MATMAS

MM info record - INFREC

Customer master - DEPMAS

Vendor Master - CREMAS

8.1.2 Material master

In the material master the following structures are maintainable via it.mds:

MARA - General Material Data

MAKT - Material Descriptions

MARC - Plant data

MARD - Storage Location Data

MARM - Units of Measure for Material

MBEW - Material Valuation incl. split valuation

MDMA - MRP Area for material

MEAN - International article number

MKAL - Production Versions of Material

MLAN - Tax classification

MAKV - Material Cost Distribution

MAKZ - Material cost distribution equivalence numbers

MLGN - Material Data for Each Warehouse Number

MLGT - Material Data for Each Storage Type

MVKE - Sales Data for Material

MPOP - Forecast Parameters

QMAT - Inspection type - material parameters

/CWM/TY2TQ - Catch Weight (Requires implementation)

Long texts - All SAP standard long texts linked to the material master

Classification data

Variant Configuration

8.1.3 MM Info record - INFREC

In the info record the following structures are maintainable via it.mds:

EINA - Purchasing Info Record: General Data

EINE - Purchasing Info Record: Purchasing Organization Data

Long texts - All SAP standard long texts linked to the MM info record

Furthermore the info record price condition PB00 is supported with IDOC type COND_A. Scale prices are not supported. Other existing price conditions or scales are not overwritten.

8.1.4 Vendor Master

In the vendor the following structures are maintainable via it.mds:

- LFA1 – Vendor Master - General
- LFB1 – Vendor Master - Company Code
- LFAS - Vendor master - VAT numbers per Country
- LFB5 – Vendor master - Dunning data
- LFBW – Vendor master - withholding tax types
- LFM1 – Vendor master - Purchasing organization data
- LFM2 – Vendor master - Purchasing Data plant or vendor subrange
- LFBK – Vendor master bank details
- WYT3 – Partner Functions
- ADR6 – E-mail addresses
- ADDGL - Global Addresses
- ADDCP – Contact Persons
- Classification data

8.1.5 Customer master

In the customer the following structures are maintainable via mds:

- KNA1 – General Data in Customer Master
- KNB1 – Customer Master Company code
- KNB5 – Customer master dunning data
- KNAS - Customer master VAT numbers per Country
- KNVI – Customer Master Tax Indicator
- KNVK – Customer Master Contact Partner
- KNVA – Customer Master Unloading Points
- KNVP – Customer Master Partner Functions
- KNVV – Customer Master Sales Data
- WRF1 – plant master/receiving points
- ADR2 – Telephone Numbers
- ADR6 – E-mail Addresses
- ADDGL - Global Addresses
- ADDCP – Contact Persons
- Classification data

Credit Management (Table KNKK and KNKA) is now supported, when using BAPI for updating Customer

8.1.6 Equipment

EQUI - Equipment master data

Long Texts

Classification data

Measuring Points

8.1.7 Functional Location

IFLOT - Functional Location data

Long Texts

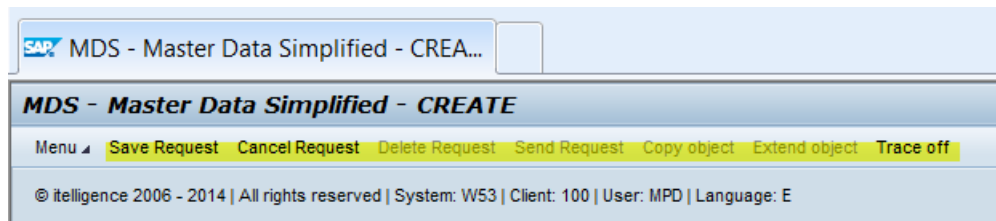
Classification data

Measuring Points

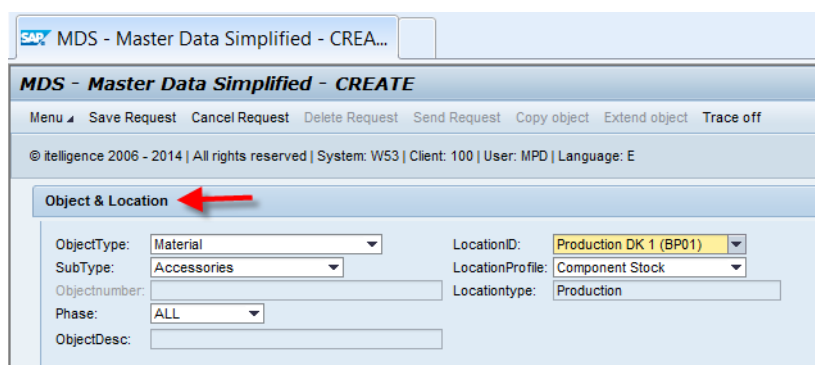
8.1.8 Frontend behavior matrix

The columns of the frontend behavior matrix represents the three main areas of the screen:

Buttons:



Object and location data:



Tab and content data:

The rows represent the different user actions and which impact they will have on the three main areas.

8.1.9 Create mode - Insert Object & Location data:

CREATE	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tab and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
Select object type	Reset	Derive	Inactive	Derive	Initialize	Initialize	Initialize	Derive	Derive	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Select subtype	Keep	Reset	Inactive / active	Keep	Keep	Keep	Keep	Derive	Derive	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Click Open (obj. nr.)	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Keep	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Click Close (obj. nr.)	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Keep	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Type object number	Keep	Keep	Reset	Keep	Keep	Keep	Keep	Keep	Derive	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Select Phase	Keep	Keep	Keep	Reset	Keep	Keep	Keep	Derive	Derive	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Select Location ID	Keep	Derive	Keep	Keep	Reset	Derive	Derive	Derive	Derive	Inactive	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Select Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Keep	Derive	Active	Active	Inactive	Inactive ²	Inactive	Inactive	Active
WF Incomplete	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Keep	Derive	Active	Active	Active	Inactive ²	Inactive	Inactive	Active
WF Error	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Keep	Derive	Active	Active	Active	Active	Inactive	Inactive	Active
Switch to Change mode	Keep	Initialize Inactive	Initialize Active	Reset	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Switch to Display mode	Keep	Initialize Inactive	Initialize Active	Reset	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Initialize	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active

1. Inactive until complete Object & Location section

2. Inactive until complete request

8.1.10 Create mode - Change Object & Location data:

CREATE	Object and Location							Content		Buttons						
User action	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
Change object type	Reset	Initialize	Initialize	Initialize	Initialize	Initialize	Initialize	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Change subtype	Keep	Reset	Initialize	Keep	Keep	Keep	Keep	Derive	Derive ³	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Change object number	Keep	Keep	Reset	Keep	Keep	Keep	Keep	Keep	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Change Phase	Keep	Keep	Keep	Reset	Keep	Keep	Keep	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Change Location ID	Keep	Initialize / Keep	Keep	Keep	Reset	Derive	Derive	Derive	Derive ³	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active
Change Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Keep	Derive ³	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active

1. Inactive until complete Object & Location section

2. Inactive until complete request

3. Manual field input is kept. Dependent values and profile values are initialized before new dependent value or profile values are set. Default values will be set

8.1.11 Create mode - Click buttons:

CREATE	Object and Location							Content		Buttons						
User action	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
Click Save request	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Initialize	Active	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Cancel request	Keep	Initialize	Initialize	Initialize	Initialize	Initialize	Initialize	Keep	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Send request	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Initialize user input	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Trace off / on	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active

1. Inactive until complete Object & Location section

2. Inactive until complete request

8.1.12 Change mode - Insert Object & Location data:

CREATE	Object and Location							Content		Buttons						
User action	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
Click Save request	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Initialize	Active	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Cancel request	Keep	Initialize	Initialize	Initialize	Initialize	Initialize	Initialize	Keep	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Send request	Keep	Keep	Initialize	Keep	Keep	Keep	Keep	Keep	Initialize user input	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Trace off / on	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active

1. Inactive until complete Object & Location section

2. Inactive until complete request

8.1.13 Change mode - Insert Object & Location data:

CHANGE	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
User action																
Select object type	Reset	Inactive	Active	Derive	Inactive	Inactive	Initialize	Derive	Derive	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Type object number	Keep	Derive / Active	Reset	Keep	Active	Active	Inactive	Keep	Derive	Inactive	Active	Inactive	Inactive	Inactive	Active	
Select Phase	Keep	Keep	Keep	Reset	Active	Active	Inactive	Derive	Derive	Inactive	Active	Inactive	Inactive	Inactive	Active	
Select Location ID	Keep	Derive	Keep	Keep	Reset	Derive	Derive	Derive	Derive	Active	Active	Inactive	Inactive	Inactive	Active	
Select Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Derive	Derive	Active	Active	Inactive	Active	Active	Active	
WF Incomplete	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Keep	Derive	Active	Active	Active	Inactive ²	Inactive	Active	
WF Error	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Keep	Derive	Active	Active	Active	Active	Inactive	Active	
Switch to Create mode	Keep	Initialize Inactive	Initialize Inactive	Derive	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Active	
Switch to Display mode	Keep	Initialize Inactive	Initialize Inactive	Derive	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Initialize	Inactive	Inactive	Inactive	Inactive	Inactive	Active	

1. Inactive until complete Object & Location section
2. Inactive until complete request

8.1.14 Change mode - Change Object & Location data:

CHANGE	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
User action																
Change object type	Reset	Initialize Inactive	Initialize Active	Derive	Initialize Inactive	Initialize Inactive	Initialize Inactive	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active
Change subtype	Keep	Reset	Keep	Keep	Keep	Keep	Keep	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active
Change object number	Keep	Initialize Inactive	Reset	Keep	Initialize Active	Initialize Inactive	Initialize Inactive	Keep	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active
Change Phase	Keep	Keep	Keep	Reset	Keep	Keep	Keep	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active
Change Location ID	Keep	Keep	Keep	Keep	Reset	Derive	Derive	Derive	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active
Change Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Keep	Derive	Inactive ¹	Active	Inactive	Inactive ²	Inactive ²	Inactive ²	Active

1. Inactive until complete Object & Location section
2. Inactive until complete request

8.1.15 Change mode - Click buttons:

CHANGE	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
User action																
Click Save request	Keep	Initialize Inactive	Initialize Active	Initialize Inactive	Initialize Inactive	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Active	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Cancel request	Keep	Initialize Inactive	Initialize Active	Initialize Active	Initialize Inactive	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Send request	Keep	Initialize Inactive	Initialize Active	Initialize Inactive	Initialize Inactive	Initialize Inactive	Initialize Inactive	Initialize	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Click Trace off / on	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Inactive ¹	Active	Inactive	Inactive ²	Inactive	Inactive	Active

1. Inactive until complete Object & Location section
2. Inactive until complete request

8.1.16 Display mode - Insert Object & Location data:

DISPLAY	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
User action																
Select object type	Reset	Inactive	Active	Derive	Inactive	Inactive	Initialize	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Type object number	Keep	Derive Inactive	Reset	Derive	Active	Active	Inactive	Keep	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Select Phase	Keep	Keep	Keep	Reset	Active	Active	Inactive	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Select Location ID	Keep	Derive	Keep	Keep	Reset	Derive	Derive	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Select Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Switch to Create mode	Keep	Initialize Active	Initialize Inactive	Derive	Initialize Active	Initialize Inactive	Initialize	Initialize	Initialize	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Active
Switch to Change mode	Keep	Keep Active	Keep	Keep	Keep	Keep	Keep	Keep	Keep	Active	Active	Inactive	Active	Active	Active	Active

8.1.17 Display mode - Change Object & Location data:

DISPLAY	Object and Location							Content		Buttons						
	Object type	Subtype	Object number	Phase	Location ID	Location profile	Location type	Tabs and fields	Field values and profiles	Save request	Cancel request	Delete request	Send request	Copy Object	Extend object	Trace off
User action																
Change object type	Reset	Initialize Inactive	Initialize Active	Derive	Initialize Inactive	Initialize Inactive	Initialize Inactive	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Change object number	Keep	Initialize Inactive	Reset	Keep	Initialize Active	Initialize Inactive	Initialize Inactive	Keep	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Change Phase	Keep	Keep	Keep	Reset	Keep	Keep	Keep	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Change Location ID	Keep	Keep	Keep	Keep	Reset	Derive	Derive	Derive	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active
Change Location profile	Keep	Keep	Keep	Keep	Keep	Reset	Keep	Keep	Derive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Active

