



IMPLEMENTATION GUIDE | PUBLIC
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Migration Objects for SAP S/4HANA

Content

1 Available Migration Objects. 3

1 Available Migration Objects

You can use the following table to gain an overview of all migration objects available for SAP S/4HANA. It is sorted in alphabetical order by *Migration Object Name*. Choose a migration object name to navigate to the corresponding documentation for the migration object.

i Note

The migration object documentation for the **Transferring Data Directly from an SAP System** migration approach is currently only available in the system.

Use the search field in the relevant column to search for a specific *Migration Object Name* or *Business Object Name*.

Choose *Filter* to apply further filters for *Master data* and/or *Transactional data* in the *Business Object Type* column, and for the application component in the *Component* column to narrow down the results list. If you want to see more or less information, choose *Show/hide columns*, and select the respective checkboxes for the columns you would like to show or hide.

→ Tip

Filter the *Migration Approach* column to only see migration objects relevant for you. Therefore, choose *Filter* in the respective column, and select the required approach, *Direct Transfer*, *File*, or *Staging Table*.

You can export the below table in CSV format with the current column visibility and filters applied. Therefore, choose the *CSV* button above the table.

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI - Accounts payable open item [page 183]	Accounting Document	Transactional data	File Staging Table	FI-AP
FI - Accounts receivable open item [page 187]	Accounting Document	Transactional data	File Staging Table	FI-AR
FI - G/L account balance and open/line item [page 117]	Accounting Document	Transactional data	File Staging Table	FI
Activity price [page 21]	Activity Price	Master data	File Staging Table	CO
Activity type [page 142]	Activity Type	Master data	File Staging Table	CO

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Bank account balance [page 23]	Bank Account	Transactional data	File Staging Table	FI
Cash memo record [page 172]	Bank Account	Transactional data	File Staging Table	FIN-FSCM-CLM-CM
Bank [page 25]	Bank Master data	Master data	File Staging Table	FI
Batch (if Batch is unique at material level) [page 26]	Batch	Master data	File Staging Table	LO-BM
Batch (if Batch level is at plant level) [page 30]	Batch	Master data	File Staging Table	LO-BM
Material BOM [page 33]	Bill of Material	Master data	File Staging Table	PP-BD
PM - Equipment BOM [page 92]	Bill Of Material	Master data	File Staging Table	PM
PM - Functional location BOM [page 107]	Bill Of Material	Master data	File Staging Table	PM
PA - Catalog item [page 180]	Catalog Item	Master data	File Staging Table	IS-PM-PA
PSS - Product compliance info [page 90]	Chemical Compliance Info	Master data	File Staging Table	EHS-SUS
PSS - Raw material compliance info [page 87]	Chemical Compliance Info	Master data	File Staging Table	EHS-SUS
Class hierarchy [page 43]	Class	Master data	File Staging Table	CA-CL
Characteristic [page 37]	Classification Characteristic	Master data	File Staging Table	CA-CL
Class [page 40]	Classification Class	Master data	File Staging Table	CA-CL
Object classification [page 46]	Classification Valuation	Master data	File Staging Table	CA-CL

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
PSS - Substance [page 229]	Company Substance	Master data	File Staging Table	EHS-SUS
Condition contract [page 53]	Condition Contract	Master data	File Staging Table	LO-AB
Consent [page 62]	Consent Record	Transactional data	File Staging Table	CA-GTF-CON
Cost center [page 136]	Cost Center	Master data	File Staging Table	CO
Customer - extend existing record by Credit Management data [page 71]	Customer	Master data	File Staging Table	SD
Customer - extend existing record by Thailand branch code [page 69]	Customer	Master data	File Staging Table	SD
Customer [page 76]	Customer	Master data	File Staging Table	SD
Customer - extend existing record by new org levels [page 66]	Customer	Master data	File Staging Table	SD
Customer Material [page 74]	Customer Material	Master data	File Staging Table	SD
Document info record [page 80]	Document Info Record	Master data	File Staging Table	CA-DMS
PM - Equipment [page 96]	Equipment	Master data	File Staging Table	PM
Exchange rate [page 98]	Exchange Rate	Master data	File Staging Table	FI
FI - Historical balance [page 122]	Financial Accounting	Transactional data	File Staging Table	FI
Fixed asset (incl. balances and transactions) [page 99]	Fixed Asset	Master data Transactional data	File Staging Table	FI-AA

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
PM - Functional location [page 109]	Functional Location	Master data	File Staging Table	PM
G/L account [page 116]	General Ledger Account	Master data	File Staging Table	FI
QM/PM - Catalog code group/code [page 209]	Inspection Code Group	Master data	File Staging Table	QM
QM - Inspection method [page 125]	Inspection Method	Master data	File Staging Table	QM
QM - Inspection plan [page 127]	Inspection Plan	Master data	File Staging Table	QM
QM - Selected set [page 224]	Inspection Selected Set	Master data	File Staging Table	QM
QM - Selected set code [page 226]	Inspection Selected Set	Master data	File Staging Table	QM
QM - Master inspection characteristic [page 176]	Inspection Specification	Master data	File Staging Table	QM
Internal order (restricted) [page 130]	Internal Order	Transactional data	File Staging Table	CO
Legal transaction [page 139]	Legal Transaction	Transactional data	File Staging Table	LCM
PM - Maintenance item [page 143]	Maintenance Item	Master data	File Staging Table	PM
PM - Maintenance notification [page 85]	Maintenance Notification	Transactional data	File Staging Table	PM
PM - Maintenance plan [page 145]	Maintenance Plan	Master data	File Staging Table	PM
PM - Equipment task list [page 94]	Maintenance Task List	Master data	File Staging Table	PM
PM - Functional location task list [page 105]	Maintenance Task List	Master data	File Staging Table	PM

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
PM - General maintenance task list [page 111]	Maintenance Task List	Master data	File Staging Table	PM
JIT - Customer [page 179]	JIT – Customer Data	Master data	File Staging Table	LE-JIT
Material [page 163]	Material	Master data	File Staging Table	LO
Material inventory balance [page 132]	Material Stock	Transactional data	File Staging Table	MM-IM
PM - Measuring point [page 83]	Measuring Point	Master data	File Staging Table	PM
Condition record for pricing (general template) [page 56]	Price Condition	Master data	File Staging Table	SD
Condition record for pricing in purchasing [page 174]	Price Condition	Master data	File Staging Table	MM-PUR
Condition record for pricing in sales [page 220]	Price Condition	Master data	File Staging Table	SD
Material - Forecast planning [page 149]	Product	Master data	File Staging Table	MM
Material - extend existing record by new org levels [page 151]	Product	Master data	File Staging Table	LO
Material inspection setup [page 129]	Product	Master data	File Staging Table	QM
Material - extend existing record with long text [page 159]	Product	Master data	File Staging Table	MM
Product classification - Commodity code [page 148]	Product	Master data	File Staging Table	SLI

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Xceptional case - Material price chng for global currencies [page 170]	Product	Master data	File Staging Table	CO-PC-ACT
Product classification - Legal control [page 157]	Product	Master data	File Staging Table	SLL
Product consumption [page 194]	Product	Transactional data	File Staging Table	MM
Production version [page 195]	Production Version	Master data	File Staging Table	PP
Profit center [page 191]	Profit Center	Master data	File Staging Table	CO
PS - Network [page 198]	PS - Network	Transactional data	File Staging Table	PS
PS - Project [page 199]	PS - Project	Transactional data	File Staging Table	PS
PS - WBS element [page 243]	PS - WBS element	Transactional data	File Staging Table	PS
Purchase contract [page 63]	Purchase Contract	Transactional data	File Staging Table	MM-PUR
Purchase order (only open PO) [page 206]	Purchase Order	Transactional data	File Staging Table	MM-PUR
Purchase scheduling agreement [page 218]	Purchase Scheduling Agreement	Transactional data	File Staging Table	MM-PUR
Purchasing info record- extend existing record [page 201]	Purchasing Info Record	Master data	File Staging Table	MM-PUR
Purchasing info record with conditions [page 203]	Purchasing Info Record	Master data	File Staging Table	MM-PUR
Routing [page 212]	Routing	Master data	File Staging Table	PP

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Sales contract [page 222]	Sales Contract	Transactional data	File Staging Table	SD
Material determination [page 161]	Sales Material Substitution	Master data	File Staging Table	SD
Sales order (only open SO) [page 216]	Sales Order	Transactional data	File Staging Table	SD
Software/Hardware constraint [page 231]	Software Constraint	Master data	File Staging Table	PLM
Source list [page 227]	Source List	Master data	File Staging Table	MM-PUR
Supplier - extend existing record by Thailand branch code [page 237]	Supplier	Master data	File Staging Table	MM
Supplier [page 239]	Supplier	Master data	File Staging Table	MM
Supplier - extend existing record by new org levels [page 233]	Supplier	Master data	File Staging Table	MM
VC - Configuration profile [page 59]	Variant Configuration Profile	Master data	File Staging Table	LO-VC
Work center/Resource [page 245]	Work Center	Master data	File Staging Table	PP
FI-AR SEPA Mandate	FI-AR SEPA Mandate	Master data	Direct Transfer - ERP	FI-AR
Architectural object (RE-FX)	Architectural Object	Master data	Direct Transfer - ERP	RE-FX-BD
Batch (if Batch is unique at material level)	Batch (if Batch is unique at material level)	Master data	Direct Transfer - ERP	LO-BM
Batch (if Batch is unique at plant level)	Batch (if Batch is unique at plant level)	Master data	Direct Transfer - ERP	LO-BM
Building (RE-FX)	Building	Master data	Direct Transfer - ERP	RE-FX-BD

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Business entity (RE-FX)	Business Entity	Master data	Direct Transfer - ERP	RE-FX
Business partner	Business partner	Master data	Direct Transfer - ERP	AP-MD-BP
Catalog code group and code	Catalog code group and code	Master data	Direct Transfer - ERP	QM
Characteristic	Characteristic	Master data	Direct Transfer - ERP	CA-CL
Class	Class	Master data	Direct Transfer - ERP	CA-CL
Condition contract	Condition contract	Transactional data	Direct Transfer - ERP	LO-AB
Customer	Customer	Master data	Direct Transfer - ERP	SD
Customer material info record	Customer material info record	Master data	Direct Transfer - ERP	SD
Customer quotation	Customer quotation	Transactional data	Direct Transfer - ERP	SD
Engineering change number	Engineering change number	Master data	Direct Transfer - ERP	PLM-PLC
Equipment	Equipment	Master data	Direct Transfer - ERP	PM
Equipment BOM	Equipment BOM	Master data	Direct Transfer - ERP	PM
Equipment task list	Equipment task list	Master data	Direct Transfer - ERP	PM
FI-AA Fixed asset - including balance	FI-AA Fixed asset - including balance	Transactional data	Direct Transfer - ERP	FI-AA
FI-CO Activity group	FI-CO Activity group	Master data	Direct Transfer - ERP	CO
FI-CO Activity type	FI-CO Activity type	Master data	Direct Transfer - ERP	CO
FI-CO Activity type - price planning	FI-CO Activity type - price planning	Master data	Direct Transfer - ERP	CO-OM
FI-CO Business process	FI-CO Business process	Master data	Direct Transfer - ERP	CO-OM-ABC
FI-CO Business process group	FI-CO Business process group	Master data	Direct Transfer - ERP	CO-OM-ABC
FI-CO Cost center	FI-CO Cost center	Master data	Direct Transfer - ERP	CO

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI-CO Cost center standard hierarchy and groups	FI-CO Cost center standard hierarchy and groups	Master data	Direct Transfer - ERP	CO
FI-CO Cost Element Group	FI-CO Cost Element Group	Master data	Direct Transfer - ERP	CO
FI-CO Internal order	FI-CO Internal order	Master data	Direct Transfer - ERP	CO
FI-CO Profit center	FI-CO Profit center	Master data	Direct Transfer - ERP	CO
FI-CO Profit Center Standard Hierarchy & Groups	FI-CO Profit Center Standard Hierarchy & Groups	Master data	Direct Transfer - ERP	CO
FI-CO Secondary cost element	FI-CO Secondary cost element	Master data	Direct Transfer - ERP	CO
FI-CO Statistical key figure	FI-CO Statistical key figure	Master data	Direct Transfer - ERP	CO
FI-GL Account balance - classic GL	FI-GL Account balance - classic GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Account balance - new GL	FI-GL Account balance - new GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Bank account	FI-GL Bank account	Master data	Direct Transfer - ERP	FI
FI-GL Bank key	FI-GL Bank key	Master data	Direct Transfer - ERP	FI
FI-GL Customer open item - classic GL	FI-GL Customer open item - classic GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Customer open item - new GL	FI-GL Customer open item - new GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Exchange rate	FI-GL Exchange rate	Transactional data	Direct Transfer - ERP	FI
FI-GL General ledger account	FI-GL General ledger account	Transactional data	Direct Transfer - ERP	FI
FI-GL House bank	FI-GL House bank	Master data	Direct Transfer - ERP	FI
FI-GL Open item - classic GL	FI-GL Open item - classic GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Open item - ledger group specific	FI-GL Open item - ledger group specific	Transactional data	Direct Transfer - ERP	FI

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI-GL Open item - new GL	FI-GL Open item - new GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Vendor open item - classic GL	FI-GL Vendor open item - classic GL	Transactional data	Direct Transfer - ERP	FI
FI-GL Vendor open item - new GL	FI-GL Vendor open item - new GL	Transactional data	Direct Transfer - ERP	FI
FI-TRM Additional flow	FI-TRM Additional flow	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Bank Guarantee	FI-TRM Bank Guarantee	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Business partner roles	FI-TRM Business partner roles	Master data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Commercial paper	FI-TRM Commercial paper	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Condition details	FI-TRM Condition details	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Facility	FI-TRM Facility	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Fixed Term Deposits	FI-TRM Fixed Term Deposits	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Foreign exchange collar contract	FI-TRM Foreign exchange collar contract	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Foreign exchange option	FI-TRM Foreign exchange option	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Foreign exchange spot/forward contract	FI-TRM Foreign exchange spot/forward contract	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Foreign exchange swap contract	FI-TRM Foreign exchange swap contract	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Interest rate instrument	FI-TRM Interest rate instrument	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Investment certificate	FI-TRM Investment certificate	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Letter of credit	FI-TRM Letter of credit	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI-TRM MainFlow details	FI-TRM MainFlow details	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM OTC Interest rate derivative swap	FI-TRM OTC Interest rate derivative swap	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Payment details	FI-TRM Payment details	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Security bonds	FI-TRM Security bonds	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Security Class	FI-TRM Security Class	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
FI-TRM Stocks	FI-TRM Stocks	Transactional data	Direct Transfer - ERP	FIN-FSCM-TRM-TM
Functional location	Functional location	Master data	Direct Transfer - ERP	PM
Functional Location BOM	Functional Location BOM	Master data	Direct Transfer - ERP	PM
Functional location task list	Functional location task list	Master data	Direct Transfer - ERP	PM
General classification assignments	General classification assignments	Master data	Direct Transfer - ERP	CA
General task List	General task list	Master data	Direct Transfer - ERP	PM
Inspection catalog selected set code	Inspection catalog selected set code	Master data	Direct Transfer - ERP	QM
Inspection catalog selected sets	Inspection catalog selected sets	Master data	Direct Transfer - ERP	QM
Inspection method	Inspection method	Master data	Direct Transfer - ERP	QM
Inspection plan	Inspection plan	Master data	Direct Transfer - ERP	QM
Inspection setup	Inspection setup	Master data	Direct Transfer - ERP	QM
Joint Venture Master	Joint Venture Master	Master data	Direct Transfer - ERP	CA-JVA
JVA Cost Center Suspend	JVA Cost Center Suspend	Master data	Direct Transfer - ERP	CA-JVA
JVA Joint Operating Agreement	JVA Joint Operating Agreement	Master data	Direct Transfer - ERP	CA-JVA

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
JVA Joint Venture Partner	JVA Joint Venture Partner	Master data	Direct Transfer - ERP	CA-JVA
JVA Order Suspense	JVA Order Suspense	Master data	Direct Transfer - ERP	CA-JVA
JVA Project suspense	JVA Project suspense	Master data	Direct Transfer - ERP	CA-JVA
JVA Venture Suspense	JVA Venture Suspense	Master data	Direct Transfer - ERP	CA-JVA
Land (RE-FX)	Land	Master data	Direct Transfer - ERP	RE-FX-BD
Maintenance item	Maintenance item	Master data	Direct Transfer - ERP	PM
Maintenance notification	Maintenance notification	Transactional data	Direct Transfer - ERP	PM
Maintenance order	Maintenance order	Transactional data	Direct Transfer - ERP	PM
Maintenance plan	Maintenance plan	Master data	Direct Transfer - ERP	PM
Master inspection characteristics	Master inspection characteristics	Master data	Direct Transfer - ERP	QM
Material	Material	Master data	Direct Transfer - ERP	LO
Material BOM	Material BOM	Master data	Direct Transfer - ERP	PP-BD
Material commodity	Material commodity	Master data	Direct Transfer - ERP	LO-MD-MM
Material consumption	Material consumption	Master data	Direct Transfer - ERP	MM
Material inventory balance	Material inventory balance	Transactional data	Direct Transfer - ERP	MM-IM
Material MRP Area	Material MRP Area	Master data	Direct Transfer - ERP	PP-MRP
Measurement document	Measurement document	Master data	Direct Transfer - ERP	PM-EQM-SF-MPC
Measuring point	Measuring point	Master data	Direct Transfer - ERP	PM
Miscellaneous PRT	Miscellaneous PRT	Master data	Direct Transfer - ERP	PP
Planned independent requirement	Planned independent requirement	Transactional data	Direct Transfer - ERP	PP-MRP
Pricing condition (purchasing and sales)	Pricing condition (purchasing and sales)	Master data	Direct Transfer - ERP	SD, MM-PUR

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Production order	Production order	Master data	Direct Transfer - ERP	PP
Production version	Production version	Master data	Direct Transfer - ERP	PP
Project	Project	Master data	Direct Transfer - ERP	PS
Project system - Network	Project system - Network	Master data	Direct Transfer - ERP	PS
Purchase order(only open PO)	Purchase order(only open PO)	Transactional data	Direct Transfer - ERP	MM-PUR
Purchase requisition(only open PR)	Purchase requisition(only open PR)	Transactional data	Direct Transfer - ERP	MM-PUR
Purchasing contract	Purchasing contract	Transactional data	Direct Transfer - ERP	MM-PUR
Purchasing info record	Purchasing info record	Master data	Direct Transfer - ERP	MM-PUR
Quality info record	Quality info record	Master data	Direct Transfer - ERP	QM
Quota arrangement	Quota arrangement	Transactional data	Direct Transfer - ERP	MM-PUR
Real estate contract (RE-FX)	Real Estate Contract	Transactional data	Direct Transfer - ERP	RE-FX
Rental object (RE-FX)	Rental Object	Master data	Direct Transfer - ERP	RE-FX
Routing	Routing	Master data	Direct Transfer - ERP	PP
Sales contract	Sales contract	Transactional data	Direct Transfer - ERP	SD
Sales inquiry	Sales inquiry	Transactional data	Direct Transfer - ERP	SD
Sales order (only open SO)	Sales order (only open SO)	Transactional data	Direct Transfer - ERP	SD
Sales order BOM	Sales order BOM	Master data	Direct Transfer - ERP	PP-BD
Scheduling agreement	Scheduling agreement	Transactional data	Direct Transfer - ERP	MM-PUR
Service entry sheet	Service entry sheet	Transactional data	Direct Transfer - ERP	MM
Service master	Service master	Master data	Direct Transfer - ERP	MM-SRV
Source list	Source list	Master data	Direct Transfer - ERP	MM-PUR
VC - Configuration profile	VC - Configuration profile	Master data	Direct Transfer - ERP	LO-VC

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
VC - Material variant	VC - Material variant	Master data	Direct Transfer - ERP	LO-VC
VC - Object dependency & dependency net	VC - Object dependency & dependency net	Master data	Direct Transfer - ERP	LO-VC
Vendor	Vendor	Master data	Direct Transfer - ERP	MM
Work breakdown structure BOM	Work breakdown structure BOM	Master data	Direct Transfer - ERP	PP
Work center	Work center	Master data	Direct Transfer - ERP	PM
Article	Article	Master data	Direct Transfer - AFS	IS-AFS-MM/LO-FSH
Batch at plant level	Batch at plant level	Master data	Direct Transfer - AFS	LO-BM
Characteristics for dimension	Characteristics for dimension	Master data	Direct Transfer - AFS	CA-CL
Characteristics for non-dimension	Characteristics for non-dimension	Master data	Direct Transfer - AFS	CA-CL
Classification for batch	Classification for batch	Master data	Direct Transfer - AFS	CA-CL-CLS/LO-BM
Configuration class for material grid	Configuration class for material grid	Master data	Direct Transfer - AFS	IS-AFS-BD
Customer	Customer	Master data	Direct Transfer - AFS	SD
Distribution curve	Distribution curve	Master data	Direct Transfer - AFS	IS-AFS-BD
Distribution curve condition	Distribution curve condition	Master data	Direct Transfer - AFS	IS-AFS-BD
Engineering change number	Engineering change number	Master data	Direct Transfer - AFS	PLM-PLC
Equipment	Equipment	Master data	Direct Transfer - AFS	PM
FI-AA Fixed asset - including balance	FI-AA Fixed asset - including balance	Transactional data	Direct Transfer - AFS	FI-AA
FI-CO Activity Group	FI-CO Activity Group	Master data	Direct Transfer - AFS	CO
FI-CO Activity Type	FI-CO Activity Type	Master data	Direct Transfer - AFS	CO
FI-CO Activity type-price planning	FI-CO Activity type-price planning	Master data	Direct Transfer - AFS	CO-OM

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI-CO Business Process	FI-CO Business Process	Master data	Direct Transfer - AFS	CO-OM-ABC
FI-CO Business process group	FI-CO Business process group	Master data	Direct Transfer - AFS	CO-OM-ABC
FI-CO Cost center	FI-CO Cost center	Master data	Direct Transfer - AFS	CO
FI-CO Cost Center Standard Hierarchy and Group	FI-CO Cost Center Standard Hierarchy and Group	Master data	Direct Transfer - AFS	CO
FI-CO Cost element group	FI-CO Cost element group	Master data	Direct Transfer - AFS	CO
FI-CO Internal order	FI-CO Internal order	Transactional data	Direct Transfer - AFS	CO
FI-CO Profit center	FI-CO Profit center	Master data	Direct Transfer - AFS	CO
FI-CO Profit Center Standard Hierarchy & Groups	FI-CO Profit Center Standard Hierarchy & Groups	Master data	Direct Transfer - AFS	CO
FI-CO Secondary cost element	FI-CO Secondary cost element	Master data	Direct Transfer - AFS	CO
FI-CO Statistical Key Figure	FI-CO Statistical Key Figure	Master data	Direct Transfer - AFS	CO
FI-GL Account Balance-classic GL	FI-GL Account Balance-classic GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Account Balance-new GL	FI-GL Account Balance-new GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Bank account	FI-GL Bank account	Master data	Direct Transfer - AFS	FI
FI-GL Bank key	FI-GL Bank key	Master data	Direct Transfer - AFS	FI
FI-GL Customer open Item- classic GL	FI-GL Customer open Item- classic GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Customer Open Item- new GL	FI-GL Customer Open Item- new GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Exchange rate	FI-GL Exchange rate	Master data	Direct Transfer - AFS	FI
FI-GL General Ledger Account	FI-GL General Ledger Account	Master data	Direct Transfer - AFS	FI

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
FI-GL House Bank	House Bank	Master data	Direct Transfer - AFS	FI
FI-GL Open Item- classic GL	FI-GL Open Item- classic GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Open Item - ledger group specific	FI-GL Open Item - ledger group specific	Transactional data	Direct Transfer - AFS	FI
FI-GL Open Item-new GL	FI-GL Open Item-new GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Vendor open Item -classic GL	FI-GL Vendor open Item -classic GL	Transactional data	Direct Transfer - AFS	FI
FI-GL Vendor Open Item -new GL	FI-GL Vendor Open Item -new GL	Transactional data	Direct Transfer - AFS	FI
General classification assignments	General classification assignments	Master data	Direct Transfer - AFS	CA
Material BOM	Material BOM	Transactional data	Direct Transfer - AFS	PP-BD
Material inventory balance	Material inventory balance	Transactional data	Direct Transfer - AFS	MM-IM
Planned indep. requirement at material level	Planned indep. requirement at material level	Master data	Direct Transfer - AFS	PP-MRP
Planned indep. requirement at SKU level	Planned indep. requirement at SKU level	Master data	Direct Transfer - AFS	PP-MRP
Planned independent requirement	Planned independent requirement	Master data	Direct Transfer - AFS	PP-MRP
Pricing condition (purchasing and sales)	Pricing condition (purchasing and sales)	Master data	Direct Transfer - AFS	SD, MM-PUR
Production order	Production order	Transactional data	Direct Transfer - AFS	PP
Production version	Production version	Master data	Direct Transfer - AFS	PP
Purchase grid for articles	Purchase grid for articles	Master data	Direct Transfer - AFS	IS-AFS-MM-PUR
Purchase grid for plant and article	Purchase grid for plant and article	Master data	Direct Transfer - AFS	IS-AFS-MM-PUR
Purchase grid for pur. org., vendor & article	Purchase grid for pur. org., vendor & article	Master data	Direct Transfer - AFS	IS-AFS-MM-PUR

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
Purchase grid for purchasing org. and article	Purchase grid for purchasing org. and article	Master data	Direct Transfer - AFS	IS-AFS-MM-PUR
Purchase order (only open PO)	Purchase order (only open PO)	Transactional data	Direct Transfer - AFS	MM-PUR
Purchasing contract	Purchasing contract	Transactional data	Direct Transfer - AFS	MM-PUR
Purchasing info record	Purchasing info record	Transactional data	Direct Transfer - AFS	MM-PUR
Quantity distribution profile	Quantity distribution profile	Master data	Direct Transfer - AFS	IS-AFS-PP-MAN
Routing	Routing	Master data	Direct Transfer - AFS	PP
Sales contract	Sales contract	Master data	Direct Transfer - AFS	SD
Sales grid for article	Sales grid for article	Master data	Direct Transfer - AFS	IS-AFS-SD
Sales grid: s.org, dist.ch, cust.grp & article	Sales grid: s.org, dist.ch, cust.grp & article	Master data	Direct Transfer - AFS	IS-AFS-SD
Sales grid: s.org, dist.ch, customer & article	Sales grid: s.org, dist.ch, customer & article	Master data	Direct Transfer - AFS	IS-AFS-SD
Sales grid: sales org, dist. channel & article	Sales grid: sales org, dist. channel & article	Master data	Direct Transfer - AFS	IS-AFS-SD
Sales order (only open SO)	Sales order (only open SO)	Transactional data	Direct Transfer - AFS	SD
Sales order BOM	Sales order BOM	Transactional data	Direct Transfer - AFS	PP-BD
Scheduling agreement	Scheduling agreement	Master data	Direct Transfer - AFS	MM-PUR
Season	Season	Master data	Direct Transfer - AFS	IS-AFS-SD
Segmentation default values	Segmentation default values	Master data	Direct Transfer - AFS	IS-AFS-BD
Segmentation strategy	Segmentation strategy	Master data	Direct Transfer - AFS	IS-AFS-BD
Segmentation structure	Segmentation structure	Master data	Direct Transfer - AFS	IS-AFS-BD
Source list	Source list	Master data	Direct Transfer - AFS	MM-PUR

Migration Object Name	Business Object Name	Business Object Type	Migration Approach	Component
VAS (Sales Area and Customer)	VAS (Sales Area and Customer)	Master data	Direct Transfer - AFS	IS-AFS-SD
VAS (Sales Area, Customer and Material)	VAS (Sales Area, Customer and Material)	Master data	Direct Transfer - AFS	IS-AFS-SD
VAS (Sales Area, Customer Group and Material)	VAS (Sales Area, Customer Group and Material)	Master data	Direct Transfer - AFS	IS-AFS-SD
Vendor	Vendor	Master data	Direct Transfer - AFS	MM
Work center	Work center	Master data	Direct Transfer - AFS	PM
Warehouse fixed bin assignments	WarehouseStoreBin	Master data	Direct Transfer - EWM	SCM-EWM-MD
Warehouse storage bin	WarehouseStoreBin	Master data	Direct Transfer - EWM	SCM-EWM-MD
Warehouse storage bin sorting	WarehouseStoreBin	Master data	Direct Transfer - EWM	SCM-EWM-MD
Warehouse product	Product	Master data	Direct Transfer - EWM	SCM-EWM-MD
Warehouse stock	N/A	Master data	Direct Transfer - EWM	SCM-EWM
Activities	Activities	Transactional data	Direct Transfer - CRM	CRM-BTX-ACT

⚠ Caution

Data protection legislation may require that personal data is deleted once the data has served its originally defined purpose and is also no longer subject to additional legal data retention requirements. If data protection legislation is applicable in your case, then migrating personal data which should have been deleted could be interpreted as the processing of personal data without any legally justified purpose.

i Note

For some migration objects there are additions to the migration object name. These additions include "restricted" and "deprecated". Restricted means that not all fields and structures of the relevant business processes are covered by this migration object, deprecated means that there is a newer version of this migration object available. Deprecated objects will be deleted after a couple of releases. Make sure you always read the migration object documentation for these objects carefully. Also see SAP Note [2698032](#) for more details on deprecated migration objects.

i Note

Migration objects are built for initial migration of your data to your SAP S/4HANA or SAP S/4HANA Cloud system. This means that you can create data with a migration object, but you can't change or update existing data with it.

i Note

The pre-delivered data migration objects are built for SAP S/4HANA Cloud and the respective SAP Best Practices Content. You can use these objects also for SAP S/4HANA and the respective SAP Best Practices Content. Using SAP S/4HANA, the delivered standard migration objects are templates that can be enhanced according to your needs. The enhancement is only limited by the functionality of the tool and the capabilities of the underlying API to load the data. Starting with SAP S/4HANA 1610 FPS2, you can enhance customer projects based on these delivered standard migration objects or you can create your own objects using the SAP S/4HANA migration object modeler (transaction `LTMOM`). For further information, please see SAP Note [2481235](#).

Further Information

- Use these SAP Help Portal aliases to access the following sections of our product assistance:

Type this in your browser...	To jump to...
http://help.sap.com/S4_OP_MO	this very topic: Available Migration Objects
http://help.sap.com/S4_OP_DM	the landing page for data migration

- If you want to view information about the differences between the current release and the previous release, see [SAP S/4HANA – Release Comparison of Migration Object Templates](#) (for customers and partners only).
- If you are using the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) migration object, we provide background information on [asset classes and available fields per asset class here](#) (for customers and partners only).

1.1 Activity price

Available Migration Objects [\[page 3\]](#) in SAP S/4HANA.

! Restriction

This object must not be used to migrate activity prices in SAP S/4HANA Cloud. The API used here does not support the cloud tables For professional services use the [Condition record for pricing \(general template\) \[page 56\]](#) migration object.

Purpose

Business Object Component/Area	Controlling (CO)
Business Object Type	Master data
Business Object Definition	To plan and allocate the activities, the system records quantities that are measured in activity units. Activity quantities are valued using a price. Costs based on the activity quantity of an activity type can be posted separately in fixed and variable portions.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Activity Price Header

Prerequisites

The following objects must have already been maintained or migrated:

- [Activity type \[page 142\]](#)
- [Cost center \[page 136\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Activity Price Header (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KP26	Change Plan Data for Activity Types
Transaction KP27	Display Plan Data for Activity Types

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.2 *Bank account balance*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Transactional data

Business Object Definition

The Bank Account Balance is the value date balance of each bank account, which serves the requirement of cash position analysis for cash managers.

Migration is for initializing the balance for bank accounts which are operated centrally, that is, in the same system as Cash Management.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Bank Account Balance

Prerequisites

Bank account needs to be created before initializing the balance, you can find the *Technical ID* in bank account master data, on the *General data* tab and this *Technical ID* is used as *Account ID* in the file to be imported.

Cash flow should not be generated for the company code used before migrating this object into the system. Otherwise the user will get the error message `Company code XYZ already has flows generated from FI in one Exposure.`

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Bank master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.

- Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
- Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

To validate your migrated data, you can use the `FQM_FLOW` table in transaction `SE16N`. To get results, you have to enter the values *Technical ID* and *Company Code*. You can retrieve these from the `FCLM_BAM_AMD` table.

Transaction SE16N

[General Table Display](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.3 Bank

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Master data
Business Object Definition	An institution that provides financial services to individuals and to businesses for profit, generally including taking money deposits, issuing credit, and processing transactions.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Bank Country
- Bank Key
- Bank Address Data

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Bank master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction FI03

[Display Bank](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.4 *Batch (if Batch is unique at material level)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM) Sales and Distribution (SD) Production Planning for Process Industries (PP-PI)
Business Object Type	Master data
Business Object Definition	Batch Master Data (if batch is unique at material level).

In Scope

Migration to SAP S/4HANA is supported.

1. Batch basic data
2. Batch classification data

Out of Scope

1. Long texts for batches

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material Number
- Batch Number
- Plant
- Batch Attributes
- Batch Status
- Characteristic Values
- Control Parameters

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

- [Supplier \[page 239\]](#)
- If you want to migrate batches with classification data, the following objects need to be migrated first:
 - [Characteristic \[page 37\]](#)
 - [Class \[page 40\]](#)
 - [Object classification \[page 46\]](#)
 Please see the mapping instructions for this object, paying special attention to the *Material Classification for Batches* section.

Mapping Instructions

Class Field on the Batch Basic Data Sheet

Please provide here the batch class to which your material is assigned. All the characteristics with reference to a table field are then created automatically during migration. Example: *Class* YB_EXP_DATE_002; *Characteristic* LOBM_VFDAT refers to table field MCH1-LFDAT. If the *Shelf Life Expira. or Best-Before Date* field is filled, the content will be copied into the classification value of *Characteristic* LBOM_VFDAT.

Field Valuation Type on the Plant Data sheet

If you want to create a batch for a material that is defined by its valuation category as a material valued in single batches, you have to provide a valid valuation category. In this case, leaving the field valuation category empty is not allowed .

VALUE_FROM and VALUE_TO Fields

The values in *VALUE_FROM* and *VALUE_TO* always relate to the unit of measurement of the characteristic.

Unit of Measurement (UOM) *UNIT_FROM* and *UNIT_TO* Fields

If the unit of measurement specified here does not equal the unit of measurement of the characteristic, the output is converted into this unit of measurement.

For example, if the *Characteristic* has the ISO UOM **ANN** (Year), and the *VALUE_FROM* field has the value **2**, and if the *UNIT_FROM* field has the ISO UOM **MON**, the two years are converted to months, and the system displays 24 months.

How to enter interval values with different units of measure:

For the characteristic, the following numerical intervals are allowed:

- 100,00 kg to 1,00 t
- 10,00 mg to 100,00 g

If you want to assign the interval 100,00 kg to 1,00 t as a value, you have to fill the fields on the *Classification NUM Values* sheet like this:

Enter the *Internal Floating Point Value From* and *Internal Floating Point Value To* values according to the *Base UoM From (ISO)* defined in the *Characteristic* itself (in this case *KGM*). The *Base UoM From (ISO)* and *Base UoM To (ISO)* fields are filled with the desired Units of Measure in ISO.

Internal Floating Point Value From	Internal Floating Point Value To	Base UoM From (ISO)	Base UoM To (ISO)
100	1000	KGM	TNE

Relational Operators to Define the Intervals

You have the following input options:

- **1** for EQ (Equal)
- **2** for GE LT (Greater than or equal and Less than)
- **3** for GE LE (Greater than or equal and Less than or equal)
- **4** for GT LT (Greater than and Less than)
- **5** for GT LE (Greater than and Less than or equal)
- **6** for LT (Less than)
- **7** for LE (Less than or equal)
- **8** for GT (Greater than)
- **9** for GE (Greater than or equal)

Input example:

- *VALUE_FROM: 20*
- *VALUE_TO: 28*
- *VALUE_RELATION: 2*

Imported value:

- $20 \leq x < 28$

Mapping Structure Hierarchy

Level	Name
1	Batch Basic Data (mandatory)
2	Classification CHAR/BOOL Values
2	Classification NUM Values
2	Classification CURR Values
2	Plant

New *Characteristic Value (DATE)* and *Characteristic Value (TIME)* Columns

Starting with SAP S/HANA 1802, you can now enter values for *Lower Boundary for Date-Interval* and *Upper Boundary for Date-Interval* in the new *Characteristic Value (DATE)* columns and for *Lower Boundary for Time-Interval* and *Upper Boundary for Time-Interval* in the new *Characteristic Value (TIME)* columns on the *Classification NUM Values* sheet in the migration template. Please note that values entered for *Internal Floating Point Value From* and *Internal Floating Point Value To* in the *Characteristic Value* columns are always given priority. When you enter values for these fields, values entered for *Characteristic Value (DATE)* and *Characteristic Value (TIME)* will not be considered when migrating.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MSC3N

Display Batch

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.5 *Batch (if Batch level is at plant level)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM) Sales and Distribution (SD) Production Planning for Process Industries (PP-PI)
Business Object Type	Transactional data
Business Object Definition	Batch Master Data if batch is unique at plant level

In Scope

Migration to SAP S/4HANA is supported.

1. Batch basic data

Out of Scope

1. Long texts for batches

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material Number
- Batch Number
- Plant
- Batch Attributes
- Batch Status
- Control Parameters

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Batch Basic Data (mandatory)
2	Classification CHAR/BOOL Values
2	Classification NUM Values
2	Classification CURR Values

Class Field on the Batch Basic Data Sheet

Please provide here the batch class to which your material is assigned. All the characteristics with reference to a table field are then created automatically during migration. Example: *Class* YB_EXP_DATE_002; *Characteristic* LOBM_VFDAT refers to table field MCH1-LFDAT. If the *Shelf Life Expira. or Best-Before Date* field is filled, the content will be copied into the classification value of *Characteristic* LBOM_VFDAT.

VALUE_FROM and VALUE_TO Fields

The values in the *VALUE_FROM* and *VALUE_TO* fields always relate to the unit of measurement of the characteristic.

Unit of Measurement (UOM) *UNIT_FROM* and *UNIT_TO* Fields

If the unit of measurement specified here does not equal the unit of measurement of the characteristic, the output is converted into this unit of measurement.

For example, if the *Characteristic* has the ISO UOM **ANN** (Year), and the *VALUE_FROM* field has the value **2**, and if the *UNIT_FROM* field has the ISO UOM **MON**, the two years are converted to months, and the system displays 24 months.

How to enter interval values with different units of measure:

For the characteristic the following numerical intervals are allowed:

- 100,00 kg to 1,00 t
- 10,00 mg to 100,00 g

If you want to assign the interval 100,00 kg to 1,00 t as a value, you have to fill the fields on the *Classification NUM Values* sheet like this:

Enter the *Internal Floating Point From* and *Internal Floating Point To* values according to the *Base UoM From (ISO)* defined in the *Characteristic* itself (in this case *KGM*). The *Base UoM From (ISO)* and *Base UoM To (ISO)* fields are filled with the desired Units of Measure in ISO.

Internal Floating Point From	Internal Floating Point To	Base UoM From (ISO)	Base UoM To (ISO)
100	1000	KGM	TNE

Relational Operators to Define the Intervals

You have the following input options:

- **1** for EQ (Equal),
- **2** for GE LT (Greater than or equal and Less than)
- **3** for GE LE (Greater than or equal and Less than or equal)
- **4** for GT LT (Greater than and Less than)
- **5** for GT LE (Greater than and Less than or equal)
- **6** for LT (Less than)
- **7** for LE (Less than or equal)
- **8** for GT (Greater than)
- **9** for GE (Greater than or equal)

Input example:

- *VALUE_FROM*: **20**
- *VALUE_TO*: **28**
- *VALUE_RELATION*: **2**

Imported value:

- **20 ≤ x < 28**

New *Characteristic Value (DATE)* and *Characteristic Value (TIME)* Columns

Starting with SAP S/HANA release 1809, you can now enter values for *Lower Boundary for Date-Interval* and *Upper Boundary for Date-Interval* in the new *Characteristic Value (DATE)* columns and for *Lower Boundary for Time-Interval* and *Upper Boundary for Time-Interval* in the new *Characteristic Value (TIME)* columns on the

Classification NUM Values sheet in the migration template. Please note that values entered for *Internal Floating Point Value From* and *Internal Floating Point Value To* in the *Characteristic Value* columns are always given priority. When you enter values for these fields, values entered for *Characteristic Value (DATE)* and *Characteristic Value (TIME)* will not be considered when migrating.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MSC3N

[Display Batch](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.6 Material BOM

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area

Production Planning and Control (PP)

Business Object Type

Master data

A complete, structured list of the components that make up an object. The list contains the description, the quantity, and unit of measure. The components are known as BOM items.

- BOM categories
In the SAP System, BOMs can form different objects and manage object-related data. You can maintain the following BOM categories, for example:
 - Material BOM
 - Document structure
 - Equipment BOM
 - Functional location BOM
 - Sales order BOM
 - Technical types
To display product variants and production alternatives, the system provides two technical types:
 - Variant BOM
 - Multiple BOM
-

In Scope

Migration to SAP S/4HANA is supported.

1. Currently, you can only process one alternative BOM per one material number, plant and BOM usage, but this can be any number from 01 to 99.
2. Material BOM
3. For object dependency, only the assignment of global dependency is supported, and only the dependency types *Selection condition* and *Procedure* are supported so far.
4. The following Item Categories (Bill of Material) are supported:
 - L-Stock item
 - N-Non-stock item
 - D-Document item
 - R-Variable size item
 - T-Text item

Out of Scope

1. Document structure
2. Equipment BOM
3. Functional location BOM
4. Sales order BOM

Supported Features

The following structures/features are supported in SAP S/4HANA:

- BOM Header
- BOM Items
- BOM Subitems
- Global dependency
- Local dependency
- Description of local dependency
- Source code of local dependency
- Documentation of local dependency
- Document assignment

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

In order that the data remains consistent, the user should make sure that the decimal separator used in the file is the same as the one in user settings, please check the user settings first.

Validity Period and Dependencies

Business objects that reference this object must be created within the validity period that fits this object.

If a successor object is created with a validity period starting before this object, this will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid later error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	BOM Header (mandatory)
2	BOM Items (man- datory)

Level	Name
2	Document assignment
3	BOM Subitems
3	Document assignment
4	Global dependency
4	Local dependency
5	Description of local dependency
5	Source code of local dependency
5	Documentation of local dependency

Quantity Fields on Header and Item Level

If your quantity contains decimals you must not copy and paste values from another Excel file into these fields, because Excel will corrupt the data type of that field. This would lead to migration of wrong numbers to the system. Even the *Copy value only* functionality in Excel will corrupt the data type.

There are three possible options to fill the quantity fields:

1. Enter the data manually into the downloaded migration template.
2. Enter the values into a text file (for example, use the *Notepad* app), then copy the values from there, and use *Paste special* to paste the values into the column of the migration template as *Text* or *Unicode Text*.
3. Format all cells in the source Excel file as *Text* and use *Copy values only* to copy the values into the migration template.

Check that the data type of these fields was not changed from *String* to *Number* before uploading the XML file to Migration Cockpit.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer. There, choose your SAP S/4HANA release from the *Version* field. Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CS03

Display Material BOM

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.7 Characteristic

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Classification (CA-CL)
Business Object Type	Master data
Business Object Definition	Property for describing and distinguishing between objects, such as length, color, or weight.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Descriptions
- Characteristic Allowed Values
- Characteristic Value Descriptions
- Characteristic Additional Data
- Characteristic Restrictions

Prerequisites

The following objects must have already been maintained or migrated:

- [Class \[page 40\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Characteristic Attributes (mandatory)
2	Characteristic Descriptions (mandatory)
2	Allowed character based values
2	Allowed numerical values
2	Allowed currency based values
2	Descript. for CHAR based values
2	Check table for References
2	Attributes' Additional data
2	Restrictions to Class Types

Valid From

The value of this field can only be inherited from the change number. If the change number is empty, the *Valid from* will be ignored.

Build up a Value Hierarchy of Character Values

This functionality is only supported in SAP S/4HANA.

You can build up a value hierarchy for character-based values.

Here is an example for such a value hierarchy:

Level	Name
1	EUROPE
2	GERMANY
3	BAVARIA
3	SAARLAND
3	SAXONIA
2	ITALY
3	SICILIA

To build this value hierarchy for a characteristic name *COUNTRY* you have to fill the fields on the *Allowed character based values* sheet like this:

Characteristic	Value (long)	Value-High (long)
COUNTRY	EUROPE	
COUNTRY	GERMANY	EUROPE
COUNTRY	BAVARIA	GERMANY
COUNTRY	SAARLAND	GERMANY
COUNTRY	ITALY	EUROPE
COUNTRY	SICILIA	ITALY

Build up an Interval with Different Unit of Measure (UoM)

This functionality is only supported in SAP S/4HANA.

You can build up an interval based on different UoMs from the same dimension.

Here is an example of such an interval based on the numerical values:

The *Characteristic Attributes* field *Base Unit of Measure (ISO)* is filled with **KGM**.

On the *Allowed NUMmerical values* sheet, you want to have the following intervals:

- 100,00 kg to 1,00 t
- 10,00 mg to 100,00 g

To build this value interval you have to fill the fields on the *Allowed NUMerical values* sheet like this:

Enter the *Internal Floating Point Values* based on the UoM defined in the *Characteristic Attribute* sheet. The *Base UoM* fields are filled with the wanted UoMs in ISO.

Internal Floating Point Value From	Internal Floating Point Value To	Base UoM From (ISO)	Base UoM To (ISO)
100	1000	KGM	TNE
0.00001	0.1	MGM	GRM

New *Characteristic Value (DATE)* and *Characteristic Value (TIME)* columns:

Starting with SAP S/HANA 1802, you can now enter values for *Lower Boundary for Date-Interval* and *Upper Boundary for Date-Interval* in the new *Characteristic Value (DATE)* columns on the *Classification NUM Values* sheet in the migration template. The same applies for *Lower Boundary for Time-Interval* and *Upper Boundary for Time-Interval* in the new *Characteristic Value (TIME)* columns. Please note that values entered for *Internal Floating Point Value From* and *Internal Floating Point Value To* in the *Characteristic Value* columns are always given priority. When you enter values for these fields, values entered for *Characteristic Value (DATE)* and *Characteristic Value (TIME)* will not be considered when migrating.

Document Details

Starting with SAP S/HANA Cloud 1805, the document details in the additional data are supported.

User-Defined Data Type (031)

The user-defined data type is NOT supported in SAP S/4HANA Cloud.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer. There, choose your SAP S/4HANA release from the *Version* field. Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CT04

Characteristics

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.8 Class

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Classification (CA-CL)
Business Object Type	Master data
Business Object Definition	A group of similar objects described by means of characteristics that they have in common.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Class Description/Keywords
- Long Texts
- Characteristics
- Document Information
- Standards Data

Prerequisites

The following objects must have already been maintained or migrated:

- [Characteristic \[page 37\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General data (mandatory)
2	Description and Keywords (mandatory)
2	Long texts
2	Characteristics

Class Type

All the class types in the system are supported.

Additional Values in the General Data

The additional fields such as *Allowed in BOMs*, *Base unit of measure (ISO format)* and *Resulting item category* are only effective in class type 200 and 300, so the input value will be ignored in class types 001 and 023.

Documentation

The combination of the field values for *Document type*, *Document number*, *Document version*, and *Document part* is checked against the database.

If a document with the combined values is not stored on the database (Table DRAW), the following error message appears: Document <Document Type>-<Document number>-<Document version>-<Document part> not found, please check the values.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CL01	Create Class
Transaction CL02	Classes
Transaction CL03	Display Class

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.9 *Class hierarchy*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Classification (CA-CL)
Business Object Type	Transactional data
Business Object Definition	<p>The classes used to define a multi-level search path.</p> <p>The initial class has subordinate classes assigned to it, and you can restrict the search systematically by choosing the appropriate subordinate class.</p> <p>Example: Class VEHICLES has the subordinate classes CARS and TRUCKS. Class CARS has the subordinate classes SPORTSCARS, STATION_WAGONS, and SEDANS. When you are looking for a particular car, you can restrict the search down the hierarchy levels as appropriate.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. Assign class

Out of Scope

1. Assign object (e.g. material, functional location, equipment, vendor...)

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header
- Class Hierarchy

Prerequisites

The following objects must have already been maintained or migrated:

- [Class \[page 40\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Header (mandatory)
2	Class Hierarchy (mandatory)

Instance class

The instance is the only class without a superior class.

Parent class name

The *parent class name* contains the class name to which you want to assign the class in *child class name*.

Child class name

The *child class name* is the subordinate class of the *parent class name*.

Each class in the *Child class name* field also occurs in the *parent class name* field.

Each class in the *Child class name* field has exactly one entry without the *Link* indicator.

If you have a child class without subordinate classes, then this *child class name* must have an entry in the *parent class name* field with an empty *child class name* field. For example, **Class5** is used as a *child class name*, and if this class is without a subordinate class, then we must have a new entry in this format:

Input example:

- *Instance class name*: **Class1**
- *Parent class name*: **Class5**
- *Child class name*: (empty)
- *Level of a hierarchy node*: **4** (The value must higher than the level of its parent/superior class)

Hierarchy level

The hierarchy levels (*Level*) can be anything you like, but we recommend assigning level 1 to the instance, level 2 to its immediate subordinate classes, and so on. The hierarchy level of each class is higher than the level of its superior class (the one without the *Link* indicator).

Description (optional)

The field has no function and will be not migrated.

You can enter some comments here to have a better overview of the class hierarchy.

General flag (Link)

When a class is assigned to a second superior class, this field must contain **x** in the first entry.

Example:**Class5** has two superior classes, this means we have two entries which *Child class name* is **Class5**, the link must be set to **x** in the first entry.

Input:

Instance class name	Parent class name	Child class name	Level	Link
Class1	Class1	Class2	1	
Class1	Class1	Class3	1	
Class1	Class2	Class4	2	
Class1	Class3	Class5	2	X
Class1	Class4	Class5	3	
Class1	Class5		4	

Classification status (optional)

Defines whether the allocation is released for class search, or locked.

Left class name (optional)

Specifies the class name which is on the left side of child class name.

Right class name (optional)

Specifies the class name which on the right side of child class name.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CL24N	Class Assignments
Transaction CL6C	Class Hierarchy

Further Information

- Information about the used API: SAP Note [1350546](#)
- Information for classification: SAP Note [2267878](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.10 Object classification

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Classification (CA-CL)
Business Object Type	Master data
Business Object Definition	The assignment of objects to a class. When you assign objects to a class, you assign values for the object to the characteristics in that class.

In Scope

Migration to SAP S/4HANA is supported.

1. Assign material classes (assign material class name and characteristic values):
 1. Class type Material (001) is supported.
 2. Class type Equipment (002) is supported.
 3. Class type Functional Location (003) is supported for internal key.
 4. Class type Vendor Class (010) is supported.
 5. Class type Customer Class (011) is supported.
 6. Class type Message Item Class (015) is supported.
 7. Class type Document Management (017) is supported.
 8. Class type Work Center Class (019) is supported.
 9. Class type Batch (022 and 023) is supported for Batch unique on material level.
 10. Class type Maintenance Plan (080) is supported.
 11. Class type Material - Configurable Objects (200) is supported.
 12. Class type Variants (300) is supported.

Out of Scope

- Batch unique at plant level (type 0).
- Batch unique at client level for a material (type 2).
- Functional location with external key.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Characteristic Values (only for material classification)
- Change Number

Prerequisites

The following objects must have already been maintained or migrated:

- [Characteristic \[page 37\]](#) (dependent on class type)
- [Class \[page 40\]](#) (dependent on class type)
- [Material \[page 163\]](#) (dependent on class type)
- [PM - Equipment \[page 96\]](#) (dependent on class type)
- [PM - Functional location \[page 109\]](#) (dependent on class type)

- [Supplier \[page 239\]](#) (dependent on class type)
- [Customer \[page 76\]](#) (dependent on class type)
- *Document info record* (manually, dependent on class type)
- [Work center/Resource \[page 245\]](#) (dependent on class type)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Header data (mandatory)
2	Numerical value allocation
2	Currency value allocation
2	Character value allocation

Material Classification for Batches

Batches are classified via the [Batch \(if Batch is unique at material level\) \[page 26\]](#) migration object, but you need to assign the batch class to the material with this object first. To assign the batch class, the source file must only contain the *Header Data* sheet and you then fill the following fields:

- *Class Type*: 023
- *Class Name*: <Class Name>
- *Object Key*: <Material number> to assign to the batch related class
- *Status*: 1
- *Valid from date*: (optional) <valid from date> (system date if not filled)
- *Value Allocation* sheets **must not** be maintained in this case!

Material Classification

To assign class and characteristic values to material, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets:

- On the *Header Data* sheet, fill the following fields:
- *Class Type*: 001

- **Class Name:** <Material Class Name> (Technical Name)
- **Object Key:** <Material number> to assign the material related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- On the *Value Allocation* sheets, make the necessary entries.

Material - Configurable Objects Classification

To assign class and characteristic values to material-configurable objects, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 200
- **Class Name:** <Material - configurable objects Class Name> (Technical Name)
- **Object Key:** <Material number> to assign the material - configurable objects related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- On the *Value Allocation* sheets, make the necessary entries.

Variants Classification

To assign class and characteristic values to variants, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 300
- **Class Name:** <Variants Class Name> (Technical Name)
- **Object Key:** <Material number> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheets.

Equipment Classification

To assign class and characteristic values to equipment, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 002
- **Class Name:** <Equipment Class Name> (Technical Name)
- **Object Key:** <Equipment number> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheet.

Functional Location Classification

To assign class and characteristic values to functional location, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 003
- **Class Name:** <Functional location Class Name> (Technical Name)

- **Object Key:** <Functional location> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheets.

Vendor Class

To assign class and characteristic values to vendor, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 010
- **Class Name:** <Vendor Class Name> (Technical Name)
- **Object Key:** <Vendor> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheets.

Message Item Class (on-premise only)

To assign class and characteristic values to a message item, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 015
- **Class Name:** <Message Item Class Name> (Technical Name)
- **Object Key:** concatenate < Notification Number (char(12)) & Item Number in Item Record (char(4))> with leading zero to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheets.

Maintenance Plan Class

To assign class and characteristic values to maintenance plan, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 080
- **Class Name:** <Maintenance Plan Class Name> (Technical Name)
- **Object Key:** <Maintenance Plan> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the *Value Allocation* sheets.

Customer Class

To assign class and characteristic values to customer, the source file must contain the *Header Data* sheet and the *Value Allocation* sheets. On the *Header Data* sheet, fill the following fields:

- **Class Type:** 011

- **Class Name:** <Customer Class Name> (Technical Name)
- **Object Key:** <Customer> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the [Value Allocation](#) sheets.

Document Management Class

To assign class and characteristic values to document, the source file must contain the [Header Data](#) sheet and the [Value Allocation](#) sheets. On the [Header Data](#) sheet, fill the following fields:

- **Class Type:** 017
- **Class Name:** <Document Class Name> (Technical Name)
- **Object Key:** <Document Info Record key> in concatenated form, which is to concatenate: Document Type, Document number (with leading 0), Document Version and Document Part, to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the [Value Allocation](#) sheets.

Work Center Class

To assign class and characteristic values to work center, the source file must contain the [Header Data](#) sheet and the [Value Allocation](#) sheets. On the [Header Data](#) sheet, fill the following fields:

- **Class Type:** 019
- **Class Name:** <Work Center Class Name> (Technical Name)
- **Object Key:** concatenate < Plant & Work Center> to assign the variants related class
- **Status:** 1
- **Valid from date:** (optional) <valid from date> (system date if not filled)
- If you want to use a domain restriction value that is different from the characteristic master, you can enter the characteristic values. Make the necessary entries on the [Value Allocation](#) sheets.

Value From and Value To Fields

The values in the [Value From](#) and [Value To](#) fields always relate to the unit of measurement of the characteristic.

For example, if the unit of measurement of the characteristic is [ISO UOM ANN](#) (Year), 2 means two years. The system ignores units in the [Base unit of measure From \(ISO Format\)](#) field and the [Base unit of measure To \(ISO Format\)](#) field here. These are only displayed later.

Relational Operators to Define the Intervals

You have the following input options:

- 1 for EQ (Equal)
- 2 for GE LT (Greater than or equal and Less than)
- 3 for GE LE (Greater than or equal and Less than or equal)
- 4 for GT LT (Greater than and Less than)
- 5 for GT LE (Greater than and Less than or equal)

- **6** for LT (Less than)
- **7** for LE (Less than or equal)
- **8** for GT (Greater than)
- **9** for GE (Greater than or equal)

Input example:

- *VALUE_FROM*: 20
- *VALUE_TO*: 28
- *VALUE_RELATION*: 2

Imported value:

- $20 \leq x < 28$

Unit of Measurement (UOM) *UNIT_FROM* and *UNIT_TO* Fields

If the unit of measurement value specified here in the classification does not equal the unit of measurement value of the characteristic, the output is converted into the classification's unit of measurement.

For example, if the characteristic has the *ISO UOM ANN* (Year), and the *VALUE_FROM* field has the value **2**, and if the *UNIT_FROM* field has the *ISO UOM MON*, then the two years are converted to months, and the system displays 24 months.

Character-Type Characteristic Values

You can enter values in the *Characteristic Value Neutral* field. Be aware of using values, that match the format and domain specification of the characteristic.

The *Instance counter* field has been removed from SAP S/HANA release 1802, because this field is used in the user-defined data type, and not supported in SAP S/4HANA, for more details please see SAP Note [2267878](#).

Example

- *Class Type*: 001
- *Class Name*: MAT_HIER_1
- *Object Key*: FG29
- *Characteristic Name*: MAT_C_HIER_1

You have a hierarchy definition like this:

Level	Neutral Value
1	AB_Root_Level_1
2	A_First_Level_2
3	A_Second_Level_3
2	B_First_Level_2

If you want to assign *A_Second_Level_3*, you must fill the entries of the *Character* value allocations structure as follows:


1. Fill the key fields as described above.
2. *Item number*: 001
If you have to set more values for the same characteristic, increase the number by 1.

3. *Characteristic Value Neutral Long*: [A_Second_Level_3](#).

New *Characteristic Value (DATE)* and *Characteristic Value (TIME)* columns:

Starting with SAP S/HANA release 1802, you can now enter values for *Lower Boundary for Date-Interval* and *Upper Boundary for Date-Interval* in the new *Characteristic Value (DATE)* columns on the *Classification NUM Values* sheet in the migration template. The same applies for *Lower Boundary for Time-Interval* and *Upper Boundary for Time-Interval* in the new *Characteristic Value (TIME)* columns. Please note that values entered for *Internal Floating Point Value From* and *Internal Floating Point Value To* in the *Characteristic Value* columns are always given priority. When you enter values for these fields, values entered for *Characteristic Value (DATE)* and *Characteristic Value (TIME)* will not be considered when migrating.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#)  scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CL24N

Assigning Objects or Classes to Class

(Choose  *Class*  *Class Type*  view)

Further Information

- For import information for classification see SAP Note [2267878](#) 

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.11 *Condition contract*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Condition Contract Settlement (LO-GT-CCS)
Business Object Type	Transactional data
Business Object Definition	Serves as an agreement between dedicated business partners like Customers or Suppliers, and contains conditional information as well as settlement-related information such as settlement dates etc. Completed integration into pricing, to determine which conditions are relevant for posting to FI/CO (Accruals), is the basis on which to create a contract-based settlement document.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Condition Contract Header
- Header Texts
- Condition Structure Fields
- Item Condition
- Condition Scale
- Business Volume Base
- Calendar Data
- Eligible Partners
- Texts for Eligible Partners

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Customer \[page 76\]](#)
- [Supplier \[page 239\]](#)
- Organizational Data such as company code, sales area, or purchasing org.

Mapping Instructions

Condition Contract Header

The Condition Contract Header structure contains the business partner, the condition contract type, a validity interval, the document status, currency information, exchange rate, terms of payment, purchasing organization and sales area.

Header Texts

The Header Texts structure contains the different text objects which are stored on header level of the condition contract.

Condition Structure Fields

The Condition Structure fields contain the corresponding condition-table-related information. The table number, the condition type, the validity of the condition, the order key and the condition table key fields must be specified. The order key, which is defined here for the condition structure, must be used consistently if you define the item conditions and the condition scale settings.

Item Condition

The Item Condition structure contains the corresponding fields which define the condition such as the amount, calculation type or currency. The order key must be part of the condition structure field table.

Condition Scale

The Condition Scale contains the corresponding fields which define the condition scales. The order key must be part of the condition structure field table.

Business Volume Base

The Business Volume Base structure contains the business volume selection criteria. You must specify the order key, the field combination, the include/exclude indicator and selection fields related to a field combination.

Settlement Dates

The Settlement Dates structure contains the settlement dates for the different types of settlement (delta accruals, partial, final, delta, and accruals deferral settlement). You must specify the order key, the settlement date type, and the settlement date as a minimal data set. All other fields are optional.

Eligible Partners

The Eligible Partners structure contains the eligible partners for the condition contract. You must specify the order key and an eligible partner as a minimal data set. All other fields are optional. You cannot pass data for different eligible partner types at the same time.

Texts for Eligible Partners

The Eligible Partner Texts structure contains the different text objects which are stored on the level of the eligible partner. The order key is used to link the text and the eligible partner entry.

Mapping Structure Hierarchy

Level	Name
1	Condition Contract Header (mandatory)
2	Header Texts (optional)
2	Condition Structure Fields (optional)
2	Item Condition (optional)
2	Condition Scale (optional)
2	Business Volume Base (op- tional)
2	Settlement Dates (optional)
2	Eligible Partners (optional)
3	Texts for Eligible Partners (optional)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction WCOCO

Process Condition Contract

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.12 *Condition record for pricing (general template)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

→ Tip

This is the most complex and comprehensive object to migrate condition records for pricing. There are also tailored migration objects available with limited number of available key fields : [Condition record for pricing in sales \[page 220\]](#) or [Condition record for pricing in purchasing \[page 174\]](#).

Purpose

Business Object Component/Area	Price conditions for sales and purchasing. During pricing, the system automatically transfers pricing data from the price conditions, for example in Sales and Distribution. Prices, surcharges and discounts are determined in sales and billing documents.
Business Object Type	Master data
Business Object Definition	The term pricing is broadly used to describe the calculation of prices (for external use by customers or vendors). Conditions represent a set of circumstances that apply when a price is calculated.

In Scope

Migration to SAP S/4HANA is supported.

The following condition records are supported (including scales if applicable):

1. Prices
2. Discounts
3. Surcharges

Out of Scope

All conditions that are not white-listed; for further information, please refer SAP Note [2332748](#).

Supported Features

The following structures/features are supported in SAP S/4HANA:

All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Customer \[page 76\]](#)
- [Supplier \[page 239\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Sales condition records (mandatory)
2	Key fields for Conditions (mandatory)
2	Scales

For more information on how to fill the condition keys, please refer to SAP Note [2332748](#).

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction <code>VK13</code>	Price Conditions
Transaction <code>MEK3</code>	Display Conditions (Purchasing)

Examples

Example of a Quantity-Based Scale:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	EA	100,00000	EUR
100,000	EA	90,00000	EUR

Example of a Scale based on Gross Weight:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	KG	100,00000	EUR
100,000	KG	90,00000	EUR

Example of a Value Scale:

Scale value	Scale currency	Scale percentage
100,000000	EUR	5,000000
1000,000000	EUR	10,000000

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.13 VC - Configuration profile

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Variant Configuration (LO-VC)
Business Object Type	Master data
Business Object Definition	An object in which you enter configuration parameters for a configurable object. Each Material must be assigned to at least one class with a class type that supports variant configuration.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Attributes
- Global dependencies
- Basic data of local dependency
- Descriptions of dependency
- Documentations of dependency

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Object classification \[page 46\]](#)
- Change number (optional)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Attributes (mandatory)
2	Global dependencies (optional)
2	Basic data of local dependency (optional)
3	Descriptions of dependency (optional)
3	Documentations of dependency (optional)

Detailed Mapping Instructions

- [Attributes](#)
Configuration profile name must be unique.

- *Global Dependencies*
Maintain global dependencies of configuration profile.
- *Basic Data of Local Dependency*
Maintain local dependencies of configuration profile. Maintain a source code in one line (string), for each local dependency.

i Note

Local dependencies with syntax errors in the source code cannot be loaded. In the case of syntax errors, an error message will be displayed and the configuration profile will be skipped for migration.

- *Descriptions of Dependency*
Enter a local dependency description, one in each language.

i Note

The *Descriptions of dependency* sheet, should contain at least one description per local dependency. Otherwise, an error message, Maintain at least one description for the dependency, will be raised.

- *Documentation of Dependency*
Enter a local dependency documentation, one in each language.

i Note

Documentation cannot be maintained without description in the corresponding language.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction PMEVC

Variant Configuration Modeling Envmt

Transaction CU43

Display Configuration Profile

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.14 Consent

Available Migration Objects [page 3] in SAP S/4HANA.

Purpose

Business Object Component/Area	Consent (CA-GTF-CON)
Business Object Type	Consent Record
Business Object Definition	Consent is an assent given by the data subject that allows lawful processing of their personal data. It facilitates proving legality and ensures the correct processing of personal data according to the purpose for which it was given.

In Scope

Migration to SAP S/4HANA is supported.

1. Initial load of Consent Records and the corresponding texts
2. Delta load of Consent Records and the corresponding texts

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Consent
- Consent Text

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Consent (mandatory)
2	Consent text (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CM_DISPLAY_CONSENT

[Search and Display Consent Records](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.15 *Purchase contract*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Purchasing (MM-PUR)
Business Object Type	Transactional data
Business Object Definition	<p>A form of longer-term purchase agreement against which materials or services are released (ordered, or called off), according to need, over a certain predefined period.</p> <p>You can migrate two different types of purchase contracts:</p> <ul style="list-style-type: none">• Quantity Contract• Value Contract

In Scope

Migration to SAP S/4HANA is supported.

1. Header Data
2. Vendor Address
3. Header Texts
4. Item Data

i Note

Only the *Standard* item category is supported

5. Delivery Addresses
6. Account Assignment

i Note

The following Account Assignment Categories are supported:

- Cost Center
- Asset
- WBS Element

7. Item Texts

Out of Scope

1. Master conditions:
During the creation of outline agreements, you can specify just one time period per variable key. This means that you can specify a period for the document header (that is, condition table A019), for each item (that is, condition table A016), and for each item/plant combination (that is, condition table A068).

i Note

If there's an info record already, the price will be taken over from this info record.

2. Scales are not supported during the creation of outline agreements.
3. Volume rebate conditions in outline agreements are not taken into account.
4. No sub items (for example inclusive/exclusive bonus quantity, display, and so on) are taken into account.
5. The control key for quantity management in procurement (EKPO-SSQSS), and the certificate category (EKPO-ZGTYP) are only taken into account to a certain extent: This information is copied from the reference contract or the material master record, but can't be changed and no checks are carried out for these two fields.
6. The revision level (EKPO-REVLV) is not changeable because various quality management routines haven't been implemented.
7. Version management (document change management) is not supported.
8. External services (planned and unplanned services) are not supported.
9. Creation of configurations is not supported.
10. The following Item Categories are not supported:
 - Third-Party
 - Enhanced Limits
 - Consignment

- Subcontracting

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header Data
- Supplier Address
- Header Texts
- Item Data
- Delivery Addresses
- Account Assignment
- Item Texts

Prerequisites

The following objects/data must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)
- [Cost center \[page 136\]](#)
- *WBS element*
- [Fixed asset \(incl. balances and transactions\) \[page 99\]](#)
- [G/L account \[page 116\]](#) (expense account used in account assignment category)
- [Purchasing info record with conditions \[page 203\]](#) (if conditions should be taken over)

Mapping Instructions

- During migration you can choose between internal and external number assignment for the purchasing document. Item numbers will be migrated 1:1 from the migration template into the data.
- Net Price: Please provide the price as manual price on item level, additional conditions are not supported. If a purchasing info record for an item already exists, the conditions (inclusive scales) will be taken over from this info record. You have to take care and check that the conditions validity period matches with the stipulated validity period of the agreement.

Mapping Structure Hierarchy

Level	Name
1	Header Data (mandatory)
2	Supplier Address

Level	Name
2	Header Texts
2	Item Data (mandatory)
3	Delivery Address
3	Account Assignment
3	Item Texts

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME33K	<i>Display Contract</i>
Transaction ME3L	<i>Purchasing Documents per Supplier</i>
Transaction ME3K	<i>Purchasing Documents per Supplier (General)</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.16 Customer - extend existing record by new org levels

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Logistics - General (LO-MD-BP, LO-MD-BP-CM)
--------------------------------	---------------------------------------------

Business Object Type	Master data
Business Object Definition	<p>A customer is a business partner with whom a business relationship exists, involving the issue of goods or services. The customer orders goods from the company, and is one of the most commonly used master data objects, used by almost all business applications.</p> <p>At SAP, there are different object models for the customer. In the traditional SAP ERP system, customer master data is used. In all new strategic applications, such as SAP CRM, SAP SRM and many industry solutions, the business partner approach is used.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. General data (only fields which might become relevant when you extend a supplier/contract partner as customer)
2. BP Roles
3. Additional addresses
4. Company data including dunning
5. Contact persons
6. Bank data
7. Sales data including sales partner functions
8. Tax numbers
9. Long texts
10. Industry assignments
11. Identification numbers
12. Contact person

Out of Scope

1. No updates of existing fields/records are possible.
2. Sales partners can only be updated together with the related sales data. It is not possible to extend a sales partner for an existing sales area. The same holds true for sales text data and company text data. Extend already existing customers with new org levels and extend already existing suppliers/contract partners as customer with the same number

i Note

This migration object is based on the assumption that business partner and customer are using the same partner ID. If you have customized your system in a different way, you must adjust the migration object. If

you must adjust the migration cockpit, you can use the migration object modeler or ask for consulting support.

Supported Features

The following structures/features are supported in SAP S/4HANA:

All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Customer \[page 76\]](#)
- If you want to extend already existing suppliers as customer with the same number:
 - [Supplier \[page 239\]](#)

Mapping Instructions

- On the *General Data* sheet, we offer fields which only become relevant when you extend already existing suppliers/contract partners as customer with the same number.
- If you want to extend an existing supplier or contract partner as customer with the same number, you have to fill out either the supplier number or contract partner. It's not possible to provide both fields. If you want to extend an already existing customer by new org levels, you have to leave the reference numbers empty.
- Please consider: You can't transfer a value in one of the fields provided on the *General Data* sheet when the customer already exists.

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	Additional Addresses
2	General Texts
2	Sales Data
3	Sales Partner
3	Sales Organization Texts
2	Company Data
3	Company Texts
2	Bank Data

Level	Name
2	Industries
2	Tax Classifications
2	Tax Numbers
2	Identification Numbers
2	Contact Person

Dunning Data in On-Premise Version

Dunning data is included in the *Company Data* sheet. This dunning data does not contain the *Dunning Area* field. If a dunning area is needed, you need to adjust the mapping in your project with the SAP S/4HANA data migration modeler (Transaction LTMOM), create a new structure and maintain the field mapping for this sheet.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

Maintain Business Partner

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.17 *Customer - extend existing record by Thailand branch code*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	LO-MD-BP
Business Object Type	Master Data
Business Object Definition	A business partner may have many branches depending on the various locations from where they operate from. A branch code is a 4-digit or a 5-digit code assigned by the Revenue Department in Thailand to uniquely identify each branch of a business partner. In any case, the head office branch carries a branch code of 00000 or 0000.

In Scope

Migration to SAP S/4HANA is supported.

1. Branch codes with address information.

Out of Scope

1. More than one address.
2. International address versions.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Customer \[page 76\]](#)

Mapping Instructions

- The customer master data needs to be migrated as a prerequisite with the Thailand company code assigned.
- Only one branch code can be marked as default branch code. If only one branch code is assigned, it will be marked as default automatically.
- If branch codes are already assigned to the customer, additional branch codes can only be uploaded without a default indicator.
- As the standard method for communication (part of the address information), only the following values are supported: Fax, E-Mail and Telephone.

Mapping Structure Hierarchy

Level	Name
1	Thailand branch code

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer. There, choose your SAP S/4HANA release from the *Version* field. Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

Maintain Business Partner

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.18 *Customer - extend existing record by Credit Management data*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Logistics - General (LO-MD-BP, LO-MD-BP-CM)
Business Object Type	Master data
Business Object Definition	<p>A customer is a business partner with whom a business relationship exists, involving the issue of goods or services. The customer orders goods from the company, and is one of the most commonly used master data objects, used by almost all business applications.</p> <p>At SAP, there are different object models for the customer. In the traditional SAP ERP system, customer master data is used. In all new strategic applications, such as SAP CRM, SAP SRM and many industry solutions, the business partner approach is used.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. Credit management profile data
2. Credit management segment data

Out of Scope

1. No updates of existing fields/records are possible.
2. Segment data can only be loaded together with the profile data. It is not possible to add profile data if segment data is already loaded.

i Note

This migration object is based on the assumption that business partner and customer are using the same partner ID. If you have customized your system in a different way, you must adjust the migration object. If you must adjust the migration cockpit, you can use the migration object modeler or ask for consulting support.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- All structures/features are supported.

Prerequisites

Note

If you submit a credit limit amount, the amount value will be stored in the *Requested* field on the *Credit Limit* tab. This is the standard behavior when maintaining the credit limit for a business partner. The reason for this is the configuration of the system: A credit limit change triggers the *Change to Credit Limit Requested* event with the *LIMIT_REQ* follow-on process. This also happens during migration, because the same save mechanism is applied. We recommend to turn off the event during migration. If the event is turned off, the credit limit is stored directly in the target field. To turn off the event, proceed as follows:

1. In *Customizing*, navigate to **Financial Supply Chain Management > Credit Management > Credit Risk Monitoring > Processes**.
2. Execute *Define Events and Follow-On Processes*.
3. In the *Dialog Structure* pane on the left, open **Events > Follow-On Processes**.
4. Remove the *LIMIT_REQ* follow-on process for the *Change to Credit Limit Requested* event.

The following objects must have already been maintained or migrated:

- [Customer \[page 76\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Credit MD for Partner (Profile)
2	Credit MD for Partner (Segment)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.

There, choose your SAP S/4HANA release from the *Version* field.

Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

Maintain Business Partner

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.19 Customer Material

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	SD-MD-AM-CMI
Business Object Type	Master data
Business Object Definition	Customer-specific information about a sales material is stored in a customer material.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- CustMat Text
- CustMat Classification

- CustMat Classif Numbers
- CustMat Classif Characteristic
- CustMat Classif Currency

Prerequisites

The following objects must have already been maintained or migrated:

- [Class \[page 40\]](#)
- [Characteristic \[page 37\]](#)
- [Customer \[page 76\]](#)
- [Material \[page 163\]](#)
- Sales Area

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	CustMat Text
2	CustMat Classification
3	CustMat Classif Numbers
3	CustMat Classif Characteristic
3	CustMat Classif Currency

Please refer to the tooltips field of the template file for further information.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction VD51	Create Customer-Material Info record
Transaction VD52	Change Customer-Material Info record
Transaction VD53	Display Customer-Material Info record

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.20 Customer

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

→ Tip

For this migration object, the [Custom Fields and Logic](#) app is available. If you enhance your business object with custom fields in the app, these custom fields will automatically be reflected in the XML template of the corresponding migration object. See SAP Note [2726010](#) for further details.

Every time you add, change or delete a custom field, the migration project must be updated and a new migration XML template must be downloaded and used. Thus, if custom fields are added or changed by an application expert during migration testing, this must be communicated to and coordinated with your data migration team. Also see the [Extensibility](#) section in the SAP S/4HANA Cloud documentation.

Purpose

Business Object Component/Area	Logistics - General (LO-MD-BP, LO-MD-BP-CM)
Business Object Type	Master data
Business Object Definition	<p>A customer is a business partner with whom a business relationship exists, involving the issue of goods or services. The customer orders goods from the company, and is one of the most commonly used master data objects, used by almost all business applications.</p> <p>At SAP, there are different object models for the customer. In the traditional SAP ERP system, customer master data is used. In all new strategic applications, such as SAP CRM, SAP SRM and many industry solutions, the business partner approach is used.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. Basic data with standard address data
2. BP Roles
3. Additional addresses
4. Company data including dunning
5. Contact persons
6. Bank data
7. Sales data including sales partner functions
8. Tax numbers
9. Long texts
10. Industry assignments
11. Identification numbers
12. Contact person

Out of Scope

1. Relationship to other business partners
2. Customer and Supplier are two separate business partners. Therefore, they have two different numbers.
With the *Supplier - extend existing record by new org levels* object, you can create a supplier with the same customer number.
3. Time-dependency of addresses
4. Time-dependency of bank data

i Note

This migration object is based on the assumption that business partner and customer are using the same partner ID. If you have customized your system in a different way, you must adjust the migration object. If you must adjust the migration cockpit, you can use the migration object modeler or ask for consulting support.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- BP Roles
- Additional Addresses
- General Texts
- Sales Data
- Sales Partner

- Sales Organization Texts
- Company Data
- Withholding Tax Data
- Company Texts
- Bank Details
- Payment Card Data
- Industries
- Tax Classifications
- Tax Numbers
- Identification Numbers
- Contact Persons

Prerequisites

i Note

The *Customer Account Group* field must be in sync with your customizing of the *BU grouping*. Otherwise, the grouping will overwrite the account group.

The following objects must have already been maintained or migrated:

- [Bank \[page 25\]](#)

Mapping Instructions

- The mandatory partner functions will be created automatically with the same customer number. In the UI, the partner function is displayed language-dependent. For data migration you have to maintain the language-independent database value. See the following example:

English	Migration
SP	AG
SH	WE
PY	RG
BP	RE
ER	ZM

For further information see SAP Note [2609888](#).

- It is possible to assign more than one address to a customer. The address data from the *General Data* sheet is always the standard address. If you assign only one address to a customer it is not necessary to provide an external address number. If you provide additional addresses, the external address number is mandatory. The external address number must be unique for each customer. You can use the same external address number for different business partners.

- During migration, you can choose between internal and external number assignment for new customers.
- Assigned contact person will always get an internal number for the new business.
- With the *BP Grouping* field on the *General Data* sheet, you arrange the different number ranges (internal or external) and the customer account group. It is possible to create customers and one-time customers.
- If a business partner needs to be created with both customer and supplier roles, this can be achieved in a two-step approach. You can extend a customer that has already been migrated, with the [Supplier - extend existing record by new org levels \[page 233\]](#) (Supplier- extend existing record by new org levels) object to add the appropriate supplier data.
- If the Customer ID is to be used for integration with external systems, it can be activated during migration. At the same time, you must also maintain the Business System ID of your source system (to be used for integration) using the *Convert Values* step to ensure that the key mapping is added to the central key mapping store of the SAP S/4HANA system.

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	Additional Addresses
2	General Texts
2	Sales Data
3	Sales Partner
3	Sales Organization Texts
2	Company Data
3	Company Texts
2	Bank Data
2	Industries
2	Tax Classifications
2	Tax Numbers
2	Identification Numbers
2	Contact Person

Contact Person ID

You must enter a contact person ID in the respective field on the *Contact person* sheet. This number is required for internal data processing. However, during processing, a new business partner will be created with an internal number. This business partner is automatically assigned to the customer with the corresponding relationship.

Dunning Data in the On-Premise Version

Dunning data is included in the *Company Data* sheet. This dunning data does not contain the *Dunning Area* field. If a dunning area is needed, you can use the *Dunning Data* sheet. Please note that this sheet is not used in the standard shipment. You need to adjust the mapping in your project with the SAP S/4HANA Data migration modeler (Transaction LTMOM) and create the structure and field mapping for this sheet.

Tax Jurisdiction Code Determination via Vertex

If Vertex is activated (especially on US installations) the tax jurisdiction code will be determined by the address.

If Vertex determines more than one tax jurisdiction code for one record, the migration of this record will fail. If this happens, you must provide a more detailed/accurate address: for example US Postal codes with 9 digits instead of 5 digits.

The more detailed and accurate an address, the more accurately Vertex will determine the tax jurisdiction code.

For some addresses, Vertex will always provide more than one tax jurisdiction code. If that's the case you must maintain this record manually or provide a correct tax jurisdiction code within the template.

In the *Suppress Tax Jurisdiction Code check* field on the *General Data* sheet, you can suppress the check and the automatic determination of the Tax Jurisdiction Code for each record.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

[Maintain Business Partner](#)

Further Information

- SAP Note [2726010](#) – *Migration Cockpit: Support of custom fields (in-App extensibility)*
- SAP Note [2609888](#) – *Mandatory partner function SP is missing for sales area*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.21 Document info record

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Document Management (CA-DMS)
Business Object Type	Master data
Business Object Definition	This fact sheet gives the information associated with a document that has been created in the Document Management System. A document is a carrier of information. This information is either for the user/person responsible or for exchanging between systems. A document contains information that can be stored and it can take many different forms (such as technical drawings, graphics, programs, or text). When complete, this information gives a full description of an object. We use the term document info record to refer to the master record in the SAP System that stores all the business information for a document. While the document info record contains the metadata for a document (such as the storage location), the original file (for example, the design drawing) contains the actual information in the document.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Document Data
- Object Links
- Descriptions
- Long Text

Prerequisites

The following objects must have already been maintained or migrated:

- *Document info record* (to create a Document Info Record with reference)
- Various Business Objects (to link to the Document Info Record)
- Document types (to link to the Document Info Record)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Document Data (mandatory)
2	Object Links
2	Descriptions
2	Long Text

Document Data

Document Number, *Document Type*, *Version*, and *Part* must be unique.

In order to create a Document Info Record (DIR) with a reference, create the referenced DIR as an initial step and use the SAP S/4HANA *Document Number*, *Document Part*, and *Version* in the reference fields.

Object Links

Maintain the SAP S/4HANA *Object Type* and *Object Key*. These refer to the SAP S/4HANA objects as defined in the Business Object Repository. For example, an Equipment in SAP S/4HANA can be defined as *Object Type*: **EQUI** and *Object Key*: **00000000123456781**.

Descriptions

In this view, you can maintain additional descriptions (for languages other than those provided on the *Document Data* sheet).

If the description is more than 40 characters long, provide up to 40 characters in the *Description* sheet and provide the full text as long text.

Long Text

The long text is an extension to the description. If the description is more than 40 characters long, provide up to 40 characters in the *Description* sheet and provide the full text as long text. If the initial 40 characters of a long text are not a part of the *Description* sheet, the description will be overwritten by the long text.

The long text will be ignored if the length is less than or equal to 40 characters. The long text will not be migrated if there is no description in the respective language.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CV03N

[Display document](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.22 PM - Measuring point

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	PM-EQM-SF-MPC
Business Object Type	Master data
Business Object Definition	<p>Measuring points in the SAP System describe the physical and/or logical locations at which a condition is described.</p> <p>For example, the coolant temperature in a nuclear power station after the coolant has left the pressure vessel, or the number of revolutions at a rotor shaft of a wind-driven power plant.</p> <p>In plant maintenance, measuring points are located on technical objects, in other words, on pieces of equipment or functional locations.</p>

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Measurement reading transfer is not supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Equipment \[page 96\]](#)
- [PM - Functional location \[page 109\]](#)
- [Characteristic \[page 37\]](#)
- [QM/PM - Catalog code group/code \[page 209\]](#)

Mapping Instructions

- Only internal numbering is supported.
- If measuring point is a counter, the *Counter Data* group needs to be filled
- If measuring point is NOT a counter, the *Target Value* group needs to be filled
- Bear in mind the following rules:
 - If you want to enter quantitative measurement results for the measuring point, you must assign a numerical characteristic to it with the required unit.
 - If you want to enter qualitative measurement results for the measuring point, you must assign the required code group to it.
 - If the entry of qualitative measurement results in the form of an evaluation code being sufficient for a measuring point, you do not need to enter any characteristics for the measuring point. You just specify one code group and select the *ValCode sufficient* field.
 - If you want, you can assign both a characteristic and a code group to a measuring point.

Mapping Structure Hierarchy

Level	Name
1	Header (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IK03

Display Measuring Point

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.23 PM - Maintenance notification

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	PM
Business Object Type	Master data
Business Object Definition	<p>Maintenance notification</p> <p>Describes the malfunctions or exceptional technical situations of an object in the area of maintenance processing, requests the maintenance department to perform a necessary task, and documents the work that has been performed. Maintenance notification is the means by which company notifications are created and managed in the area of plant maintenance. There are three different types of notifications:</p> <ul style="list-style-type: none"> • Maintenance request (M1) • Malfunction report (M2) • Activity report (M3)

In Scope

Migration to SAP S/4HANA is supported.

1. All kinds of maintenance notification are supported.
2. *Notification Partner* is ONLY supported for notification types: *M2* and *M3*

Out of Scope

1. Documents
2. Location Data - Address
3. Location Data - Production Work Center
4. Location Data - Plant Section
5. Location Data - Current Location
6. Assignment of Task List
7. Breakdown Duration
8. Organizational Data
9. Activities - Quantity
10. Causes - Root Cause

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Notification Header
- Notification Item
- Notification Item Cause
- Notification Item Activity
- Notification Item Task
- Notification Activity
- Notification Task
- Notification Partner

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Functional location \[page 109\]](#)
- [PM - Equipment \[page 96\]](#)
- Assembly via [Material \[page 163\]](#)
- [Work center/Resource \[page 245\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Notification Header (mandatory)
2	Notification Item
3	Notification Item Cause
3	Notification Item Activity
3	Notification Item Task
2	Notification Activity
2	Notification Task
2	Notification Partner

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IW21	<i>Create PM Notification</i>
Transaction IW22	<i>Change PM Notification</i>
Transaction IW23	<i>Display PM Notification</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.24 PSS - Raw material compliance info

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Sustainability Foundation (EHS-SUS-FND)
Business Object Type	Master data
Business Object Definition	Chemical compliance information is used to manage compliance information centrally and satisfy legal and customer requirements.

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Attachments

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Chemical Compliance View
- Chemical Composition
- Chemical Component
- Material Assignment
- Bulk Assignment
- Purpose Assignment
- Supplier Material Assignment

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)
- [PSS - Substance \[page 229\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Chemical compliance view (mandatory)
2	Chemical composition
3	Chemical component
2	Material assignment
2	Bulk assignment
2	Purpose assignment
2	Supplier material assignment

Preparation Migration Details for Raw Materials

Process the migration in two steps as follows:

1. Migrate bulk raw materials using the following data from the migration template:
 - Chemical compliance view
 - Chemical composition
 - Chemical component (substances)
 - Material assignment
 - Purpose assignment
 - Supplier material assignment
2. Migrate packaged products related to the raw materials using the migration template:
 - Chemical compliance view
 - Material assignment
 - Bulk assignment

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.25 PSS - Product compliance info

Available Migration Objects [\[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Sustainability Foundation (EHS-SUS-FND)
Business Object Type	Master data
Business Object Definition	Chemical compliance information is used to manage compliance information centrally and satisfy legal and customer requirements.

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Attachments

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Chemical Compliance View
- Chemical Composition
- Chemical Component
- Application
- Material Assignment
- Market Coverage
- Market Request
- Bulk Assignment
- Purpose Assignment

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [PSS - Substance \[page 229\]](#)
- [PSS - Raw material compliance info \[page 87\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Chemical compliance view (mandatory)
2	Chemical composition
3	Chemical component
2	Application
2	Material assignment
2	Market coverage
2	Market request
2	Bulk assignment
2	Purpose assignment

Preparation Migration Details for Products

Process the migration in two steps as follows:

1. Migrate bulk product using the following data from the migration template:
 - Chemical compliance view
 - Chemical composition
 - Chemical component (substances or raw materials)
 - Application
 - Material assignment
 - Purpose assignment
 - Market request
 - Market coverage
2. Migrate packaged products related to product using the migration template:
 - Chemical compliance view
 - Material assignment
 - Bulk assignment
 - Market coverage

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.26 PM - Equipment BOM

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	Plant Maintenance (PM): A list used to describe the structure of a piece of equipment and to allocate spares to the piece of equipment for maintenance. An equipment bill of material can be created for each piece of equipment or for a group of technical objects.

In Scope

Migration to SAP S/4HANA is supported.

The following Item Categories (Bill of Material) are supported:

1. L-Stock item
2. N-Non-stock item
3. T-Text item

Out of Scope

1. Sub-items
2. Document assignment
3. Long text

The following Item Categories (Bill of Material) are not supported:

1. R-Variable-size item
2. K-Class item

Supported Features

The following structures/features are supported in SAP S/4HANA:

- BOM Header
- BOM Item

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Equipment \[page 96\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	BOM Header (mandatory)
2	BOM Item

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IB03

Display Equipment BOM

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.27 PM - Equipment task list

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	<p>A description of a series of maintenance activities that are executed repeatedly in a company.</p> <p>A maintenance task list is the generic term for all task lists that are used in plant maintenance.</p> <p>The following task lists are available:</p> <ul style="list-style-type: none">• Equipment task list• Functional location task list• General task list

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Task List Header Data (incl. long text)
- Operations (incl. long text)

- Production Resource/Tools
- Material Components
- Maintenance Packages

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Equipment \[page 96\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within a validity period that matches this object.

If a successor object is created with a validity period starting before this object, this will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid later error messages and inconsistent data on your database.

Mapping Instructions

- Internal/External number range assignment for *Group Counter*, with control parameter `CTR_TLIST_E_NUM` – you have to decide if it is internal or external during each data load.
- Enter the long text for the *Task List Header* level in the *Long text* field (`S_TASKLIST_HDR-TDLINE`).
- Enter the long text for the *Operations* level in the *Long text* field (`S_OPERATIONS-TDLINE`).

Mapping Structure Hierarchy

Level	Name
1	Task List Header Data (mandatory)
2	Operations (mandatory)
3	Production Resource/Tools
3	Material Components
3	Maintenance Packages

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IA03

[Display Equipment Task List](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.28 PM - Equipment

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	An individual, physical object that is maintained as an autonomous unit.

In Scope

Migration to SAP S/4HANA is supported.

Starting with SAP S/4HANA release 1809, alternative labeling is supported for the *Functional Location* field in the equipment structure.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Equipment General Data
- Equipment Location
- Equipment Organization
- Equipment Structure
- Equipment SerData

Prerequisites

The following objects must have already been maintained or migrated:

- [Cost center \[page 136\]](#)
- [Work center/Resource \[page 245\]](#)
- [PM - Functional location \[page 109\]](#)
- *Superordinate Equipment*: To use the *Superordinate Equipment* field, make sure this value will be implemented in the [PM - Functional location \[page 109\]](#) first.

Validity Period and Dependencies

Business objects that reference this object must be created within a validity period that matches this object.

If a successor object is created with a validity period starting before this object, this will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid later error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Equipment master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.

2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IE01	<i>Create Equipment</i>
Transaction IE02	<i>Change Equipment</i>
Transaction IE03	<i>Display Equipment</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.29 Exchange rate

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Master data
Business Object Definition	The relationship between two currencies. This rate is used to translate an amount into another currency.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Exchange Rates

Mapping Instructions

- Fill only direct or indirect quotation
- During upload, differences in exchange rate factor settings will automatically be adjusted, but there is no adjustment of direct versus indirect notation

Mapping Structure Hierarchy

Level	Name
1	Exchange rate master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction OB08

C FI Maintain table TCURR

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.30 *Fixed asset (incl. balances and transactions)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

With this migration object, you perform a legacy data transfer for fixed assets.

Business Object Component/Area	Asset Accounting (FI-AA)
Business Object Type	Master data and transactional data (asset values)
Business Object Definition	<p>A fixed asset is an object, a right, or another item owned by the enterprise that is intended for long-term use, and can be identified individually in the balance sheet.</p> <p>The development of the values of an asset can be viewed for the asset as a whole, or can be viewed for the asset's component parts (subnumbers).</p> <p>Example: Fixed asset "printing press" with asset components "rollers" and "replacement spindle".</p>

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Master Details
- Posting Information
- Time-Dependent Data
- Allocations
- Origin
- Acct Assignment for Investment
- Net Worth Valuation
- Real Estate and Similar Rights
- Leasing
- Depreciation Areas
- Investment Support Key
- Cumulative Values
- Posted Values
- Transactions
- Proportional Values on Transactions
- Country-Specific
- Country-Specific - Time-dependent

You use the SAP S/4HANA Migration Cockpit to transfer legacy data for fixed assets.

- You can transfer the asset master records for legacy assets.

i Note

The legacy asset number is migrated to the *Original Asset* field on the *Origin* tab page.

i Note

Transfer of asset subnumbers:

- Asset subnumbers must be migrated within the same migration project. (This is due to the project-specific mapping table of the main asset number.)
 - If internal number assignment is used, the asset subnumbers must be transferred in a separate file. (Reason: The mapping table for main asset number is only filled after the transfer of a complete source file of main assets).
- You can transfer balances and transactions that have already been posted:
 - With transfers at the end of a fiscal year, the following applies:
The accumulated acquisition cost (APC) and the accumulated depreciation values are transferred.
 - With transfers during the year, the following applies:
The accumulated APC and the accumulated depreciation values are transferred. In addition to this, you also transfer the transactions starting from the beginning of the fiscal year up to the time of the transfer date. By default, you also transfer the posted depreciation of the year of transfer up to the time of the transfer date. But you have the option not to transfer the posted depreciation in the year of transfer. In this case, you first perform the legacy data transfer (without depreciation values in the year of transfer), and then you calculate and post the depreciation in the system. In this case, you select the corresponding checkbox in the *Make Company Code Settings* app.

i Note

When using the SAP S/4HANA Migration Cockpit, asset balances are updated automatically. No special transfer for asset reconciliation accounts in G/L is needed.

Restrictions

The transfer of assets under construction (AUC) is **not** supported. Data for AUC and WBS must be transferred manually in a consistent manner, and the information must be linked afterwards.

Prerequisites

The following objects must have already been maintained or migrated:

- [Cost center \[page 136\]](#)
- [Profit center \[page 191\]](#)
- [Activity type \[page 142\]](#)

- [Material \[page 163\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Master Details (mandatory)
2	Inventory
2	Time-Dependent Data
2	Allocations
2	Origin
2	Acct. Assignmt. for Investment
2	Net Worth Valuation
2	Real Estate and Similar Rights
2	Leasing
2	Depreciation Areas
2	Investment Support Key
2	Cumulative Values
2	Posted Values
2	Transactions
2	Proportional Values on Transactions
2	Country-Specific
2	Country-Specific - Time-dependent

Required Customizing Settings

- You have made the Customizing settings for the relevant depreciation areas. These settings determine which data is accepted from the upload file. The upload is only successful if the values are compatible with the depreciation area settings.

Here are some examples:

- Per default, acquisition values must be positive, whereas depreciation values must be negative.
- Acquisition values should be greater than the depreciation values (considering the absolute values). It would be incorrect to enter an acquisition value of 3,000 with a depreciation value of -10,000.
- Only for real depreciation areas do you need to specify transfer values in accordance with the settings of the depreciation areas. You do not specify values for derived depreciation areas.
If a depreciation is defined to take over acquisition values from other depreciation areas (for example, areas 15, 31, and 33 take over values from areas 01 and 32), and you enter values in the upload file anyway, the system will ignore these values.

- If you have parallel currencies, you must consider the following:
You can decide whether you want to transfer your historical foreign currency values or if you want to have these values translated automatically instead.
If you do **not** specify any historical foreign currency values, then the system executes an automatic translation; the exchange rate is then determined as follows:
 - For accumulated values at the start of the year: With the exchange rate on the capitalization date of the fixed asset
 - For transactions during the year: With the exchange rate on the date of the legacy data transfer
 - For open items on a line item-managed fixed asset under construction (transaction type 900 and/or 910): With the exchange rate on the date of the legacy data transfer (as with a transaction during the year)

If you want to transfer historical foreign currency values for the parallel currency areas, specify them for the legacy data transfer. The system responds to this by **not** translating anything.

Note

In the XML template, make sure that you enter your historical foreign currency values consistently in the *Cumulated Values* and *Posted Values* worksheets.

- Make sure that all your asset classes are assigned to the correct number range interval before you start migrating the fixed assets into your system.
- The offsetting account for the legacy data transfer (asset balance sheet account) must be defined in *Customizing for Asset Accounting* under *Define Offsetting Account for Legacy Data Transfer*.
- You have created a legacy data transfer segment and for it you have specified the transfer date, the document type and the legacy data transfer status in *Customizing for Asset Accounting* under **▶ Asset Data Transfer ▶ Parameters for Data Transfer ▶ Define Transfer Date and Additional Parameters ▶**.
- If you want to perform a transfer during the year, you must enter the *Last Period Posted* (FAA_DEPR_PERIOD) field on the *Posted Values* sheet.
You must specify the last posted depreciation period (from the legacy system) for each asset. The system requires this information to determine the first period for the depreciation that should be posted in the SAP system.

Required Activities

- The previous fiscal year must be closed in *Asset Accounting*.
This can be checked in *Customizing for Asset Accounting* under **▶ Preparations for Going Live ▶ Tools ▶ Reset Year-End Closing ▶**.
- You have extracted the legacy data from your legacy system.

Pretest

We recommend that you perform a pretest in the test system: First, test system settings by performing a manual legacy data transfer.

You can use the following Customizing activities (transactions) under [Asset Accounting](#) > [Asset Data Transfer](#) > [Manual Data Transfer](#) > [Legacy Fixed Asset](#).

- Create Master Data for Legacy Asset (transaction AS91)
- Post Transfer Values (transaction ABLDT)
- AUC with Line Item Management: Transfer Line Items (transaction ABLDT_OI)
- Data Transfer During the Fiscal Year: Transfer Line Items (transaction AB01)

After this, you prepare the Microsoft Excel template and fill it with sample assets only (for example, one asset per asset class). After the test, you should ideally clear the data from the test system:

- For asset master data, you can set a deactivation date to prevent the assets from receiving postings in the future.
- You reverse the transfer postings.
- You check if the system contains any values for assets.

The productive system must **not** contain data before the data transfer.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer. There, choose your SAP S/4HANA release from the *Version* field. Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

In order to ensure that the legacy data transfer was carried out completely, you reconcile the data in the SAP system with the data in your legacy system. You must reconcile the legacy data transfer and the corresponding lists for documentation purposes before you release the SAP system for running operations in Asset Accounting. This is because you may no longer be able to generate the corresponding lists later with only the values from the legacy data transfer.

How to Validate your Data in the System

For details about how to reconcile the data, see SAP Note [2304473](#).

Changing Transfer Values Subsequently

When uploading the migration template, the system posts the asset values. We recommend the following: If incorrect transfer values were posted, you should reverse the journal entry and then enter the transfer values again. You can only change transfer values by reversing the posted transfer document and making a new posting. For the asset master data already created, you set a deactivation date and block it from receiving postings. In the productive system, there should be no data before you start the file upload.

Further Information

Product Assistance

For more information, see the [SAP Help Portal](#). Choose the your SAP S/4HANA system, and navigate to [▶ Asset Accounting ▶ Legacy Data Transfer ▶](#).

Further Links

- [Fixed asset \(incl. balances and transactions\): Available Fields per Asset Class](#)
- SAP Note [2427888](#) – *Balance carryforward is required during legacy data transfer to AA in the first fiscal year*
- SAP Note [2208321](#) – *FAQ for legacy data transfer in SAP_FIN 720 and subsequent releases*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.31 PM - Functional location task list

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	<p>A description of a series of maintenance activities that are executed repeatedly in a company.</p> <p>A maintenance task list is the generic term for all task lists that are used in plant maintenance.</p> <p>The following task lists are available:</p> <ul style="list-style-type: none">• Equipment task list• Functional location task list• General task list

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Task List Header Data (incl. long text)
- Operations (incl. long text)
- Production Resource/Tools
- Material Components
- Maintenance Packages

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Functional location \[page 109\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

- Internal/External number range assignment for *Group Counter* with control parameter `CTR_TLIST_T_NUM` – you have to decide if it is internal or external during each data load.
- Enter the long text for the *Task List Header* level in the *Long text* field (`S_TASKLIST_HDR-TDLINE`).
- Enter the long text for the *Operations* level in the *Long text* field (`S_OPERATIONS-TDLINE`).

Mapping Structure Hierarchy

Level	Name
1	Task List Header Data (mandatory)
2	Operations (mandatory)
3	Production Resource/Tools
3	Material Components

Level	Name
3	Maintenance Packages

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IA13

[Display FunctLoc Task List](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.32 PM - Functional location BOM

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	<p>Plant Maintenance (PM)</p> <p>A list used to describe the structure of a functional location and to allocate spares to the functional location for maintenance.</p> <p>A functional location BOM can be created for each functional location or for a group of technical objects.</p>

In Scope

Migration to SAP S/4HANA is supported.

The following Item Categories (Bill of Material) are supported:

1. L-Stock item
2. N-Non-stock item
3. T-Text item

Out of Scope

1. Sub-items
2. Document assignment
3. Long Text

The following Item Categories (Bill of Material) are not supported:

1. R-Variable-size item
2. K-Class item

Supported Features

The following structures/features are supported in SAP S/4HANA:

- BOM Header
- BOM Item

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Functional location \[page 109\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	BOM Header (mandatory)

Level	Name
2	BOM Item

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IB13

[Display Functional Location BOM](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.33 PM - Functional location

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Plant Maintenance (PM)
Business Object Type	Master data
Business Object Definition	<p>An organizational unit in logistics that structures the maintenance objects of a company according to functional, process-oriented, or spatial criteria.</p> <p>A functional location represents the place at which a maintenance task is performed.</p>

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Functional Location - General Data
- Functional Location - Location Data
- Functional Location - Organization Data

Prerequisites

The following objects must have already been maintained or migrated:

- [Cost center \[page 136\]](#)
- [Work center/Resource \[page 245\]](#)
- [PM - Equipment \[page 96\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Functional Location Data (mandatory)

Superior Functional Location

If this field is empty, then the system will automatically determine a superior functional location based on the structure that you are using. When you create a new functional location, the system will enter its label as a default value in this field.

You can enter an alternative if necessary, although you should ensure that the structure is kept the same, otherwise the transfer of data within the functional location structure will be prevented.

In SAP S/4HANA, if the *Labeling System for Functional Locations* is used, the object will only support installing superior functional location automatically, so please make sure the *Superior Functional Location* field is empty in this case.

Labeling System for Functional Locations

The labeling system is only supported in SAP S/4HANA.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IL01	Create Functional Location
Transaction IL02	Change Functional Location
Transaction IL03	Display Functional Location

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.34 PM - General maintenance task list

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area

Plant Maintenance (PM)

Business Object Type	Master data
Business Object Definition	<p>A description of a series of maintenance activities that are executed repeatedly in a company.</p> <p>A maintenance task list is the generic term for all task lists that are used in plant maintenance.</p> <p>The following task lists are available:</p> <ul style="list-style-type: none"> • Equipment task list • Functional location task list • General task list

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Task List Header Data (incl. long text)
- Operations (incl. long text)
- Production Resource/Tools
- Material Components
- Maintenance Packages

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Internal/External number range assignment for *Group* and *Group Counter*:

- The *Group* and *Group Counter* must be provided in source file, and joint with task list type to distinguish different type of task list. For the scenario of one *Group* with several *Group Counters*, they must be grouped logically in the source file.
- With control parameter `CTR_TLIST_A_NUM`, you have to decide if it is internal or external during each data load.
- Enter the long text for the *Task List Header* level in the *Long textfield* (`S_TASKLIST_HDR-TDLINE`).
- Enter the long text for the *Operations* level in the *Long text* field (`S_OPERATIONS-TDLINE`).

Mapping Structure Hierarchy

Level	Name
1	Task List Header Data (mandatory)
2	Operations (mandatory)
3	Production Resource/Tools
3	Material Components
3	Maintenance Packages

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IA07

Display General Task List

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.35 G/L account (deprectated)

Available Migration Objects [page 3] in SAP S/4HANA.

! Restriction

This migration object is replaced by a newer one. Please use the new [G/L account \[page 116\]](#) migration object instead.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Master data
Business Object Definition	G/L account master records contain the data that is always needed by the General Ledger to determine the account's function. The G/L account master records control the posting of accounting transactions to G/L accounts and the processing of the posting data.

In Scope

Migration to SAP S/4HANA is supported.

The following GL account types are supported:

1. **X** - Balance sheet account.
2. **N** - Non-Operating expense or income profit and loss account that is used in FI only.
3. **P** - Primary costs or revenue profit and loss account that is used in FI and CO.
4. **S** - Secondary costs profit and loss account that is used in CO only.

Out of Scope

1. Customize GL account type

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Chart of Accounts Area
- Company Code Specific Area
- GL Account Names
- GL Account Keywords

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General data (mandatory)
2	Company code data
2	GL account names
2	GL account keywords

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KA01	<i>Create Cost Element</i>
Transaction KA06	<i>Create Secondary Cost Element</i>
Transaction FS00	<i>G/L acct master record maintenance</i>
Transaction FSS0	<i>G/L account master record in co code</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.36 G/L account

Available Migration Objects [page 3] in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Master data
Business Object Definition	G/L account master records contain the data that is always needed by the General Ledger to determine the account's function. The G/L account master records control the posting of accounting transactions to G/L accounts and the processing of the posting data.

In Scope

Migration to SAP S/4HANA is supported.

The following GL account types are supported:

1. **X** - Balance sheet account.
2. **N** - Non-Operating expense or income profit and loss account that is used in FI only.
3. **P** - Primary costs or revenue profit and loss account that is used in FI and CO.
4. **S** - Secondary costs profit and loss account that is used in CO only.

Out of Scope

1. Customize GL account type

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Chart of Accounts Area
- Company Code Specific Area
- GL Account Names

- GL Account Keywords

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General data (mandatory)
2	Company code data
2	GL account names
2	GL account keywords

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KA01	<i>Create Cost Element</i>
Transaction KA06	<i>Create Secondary Cost Element</i>
Transaction FS00	<i>G/L acct master record maintenance</i>
Transaction FSS0	<i>G/L account master record in co code</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.37 FI - G/L account balance and open/line item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.


Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Transactional data
Business Object Definition	<p>G/L account balance: The balance of a G/L account is the amount resulting from the difference between the debit and credit balances of the account. There are two types of balance:</p> <ul style="list-style-type: none">• Credit balance (the credit side of the account is greater)• Debit balance (the debit side of the account is greater) <p>G/L account open/line item: Open/line items are the items that are not yet to be cleared. This object loads the open items/line items and balances for general ledger accounts.</p> <p>Fixed asset balance: Fixed asset balances are migrated with the Fixed asset (incl. balances and transactions) [page 99] migration object. You must NOT migrate these balances with the FI - G/L account balance and open/line item migration object. Therefore, you must ensure that your migration file for G/L account balance does not contain any records for fixed asset balances.</p>

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Multiple line items per document post
2. External accounting document number
3. Open tax items
 - Open tax must be settled before data migration
 - Exception: Deferred tax can be migrated with the migration activities for Open items payable and Open items receivable
4. Calculate tax automatically
5. Postings to G/L accounts with open item management
6. Migration of historical financial transactions (use the [FI - Historical balance \[page 122\]](#) migration object; see SAP Note [2587192](#) )

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header
- G/L Account Item
- Currency Item

Prerequisites

Before starting with the initial data transfer, you must define an overall migration key date for each company code. This migration key date will be used for all migration objects which are posting into financial accounting, except for the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) object.

Use the `FINS_MIG_CTRL_1` transaction ([Define Settings for Legacy Data Transfer](#)) to maintain these settings:

- Set the [Migration Key Date](#) for each required company code
- Set the [Legacy Data Transfer Status](#):
 - [In Preparation](#): migration key date is still unclear (Migration of transactional data is not possible)
 - [Ongoing](#): required for the initial data transfer (Migration of transactional data is possible)
 - [Completed](#): after successful finish of the initial data transfer (Migration of transactional data is not possible)

The following objects must have already been maintained or migrated:

- [Cost center \[page 136\]](#)
Only mandatory if account assignment on cost center is necessary.
Posting on tax jurisdiction will be automatically derived by cost center. Therefore, the tax jurisdiction code must be already maintained for cost center master.
- [Profit center \[page 191\]](#)
Only mandatory if account assignment on profit center is necessary.
Posting on tax jurisdiction will be automatically derived by profit center. Therefore, the tax jurisdiction code must be already maintained for profit center master.
- [WBS element](#)
 - Only mandatory if account assignment on Work Breakdown Structure (WBS) element is necessary.
 - WBS element must be defined as a billing element.
 - System status of WBS element must be on [Released](#).
 - Sales order item must be assigned to WBS element.
- [Order](#) (manually)
 - Only mandatory if account assignment on an order is necessary.
 - The related order is not flagged for deletion.
 - Indicator for [Revenue Posting Allowed](#) should be set for the order (adjustment only possible in customizing of [Order Type](#)).
 - System status of the order must be [Released](#) or [Technically completed](#).
 - Posting date (which is used for migration of G/L balance) must be within the validity period of the assigned object for the order, for example, profit center.
- [Network Number for Account Assignment](#)

- Only mandatory if account assignment on network number is necessary.
- [Exchange rate \[page 98\]](#)

Dependencies

Recommended approach for the initial migration of financial data:


Please in keep in mind that no documents will be migrated. Only balances and open items will be taken over.

Clear as many of the open items payable, receivables, taxes and outgoing checks as possible from the accounts in the source system. By reducing these open items, you will reduce the amount of variables, resulting in a lower possibility of error as well as reducing the amount of reconciliation needed to verify the data migration.

From the bank account, only the balance needs to be migrated.

Normally, no items or balances from the tax accounts need to be migrated because they are usually balance zero (for normal VATs) when the migration takes place. We assume that the tax transfer has already been done and therefore no tax has to be migrated. Exception: Deferred taxes can be migrated with the migration activities for Open items payable and Open items receivable.

Mapping Instructions

- Enter only one line per document post into the migration file. The offsetting entry will be automatically generated for the offsetting G/L account.
- The combination of key fields *Company Code* + *Ledger Group* + *Reference Document Number* + *Line Item Number* + *G/L Account* are used for duplicate check. Data records with this combination should be unique in the migration template. Otherwise, the migration tool will display a duplicate error message. The *Line Item Number* will just be used as an additional key field and will not be migrated.
- Please be aware you must fill and save value amounts in the migration file in number and not in string format. Check the settings for a delimiter.
- For migration, the posting keys will be controlled by the sign in the amount fields. The sign for negative values should be set at the beginning:
 - A negative value will use posting key 50 (Credit entry) for G/L Account and 40 (Debit entry) for Offsetting G/L Account
 - A positive value will use posting key 40 (Debit entry) for G/L Account and 50 (Credit entry) for Offsetting G/L Account
- The initial offsetting (transfer booking) accounts to be used in the Open items and Open balances migration objects are described in the [BH5 test script](#) :
 - 39914000 (Initial FI-AR offset)
 - 39915000 (Initial FI-AP offset)
 - 39916000 (Initial other GL offset)
 - 39917000 (Initial other Open Item GL offset)

Two approaches for currency and amount:

Provide all relevant currencies and related amounts via the template. In doing this, the provided values will be adopted from the template regardless of existing exchange rates in the system.

Keep the *second local/group currency* field and related amount empty in the template. In this case, the amount will be automatically calculated by valid exchange rates in the system.

The exchange rate will be determined using the provided document or posting date. Which date will be used is defined in the customizing for each company code (in SPRO via *Change Foreign Currency Translation*).

Two approaches for CO account assignment for an account that is relevant to cost accounting:

Provide the required CO account assignment via migration template.

Define in customizing the automatic CO assignment on accounts via tcode OKB9 (*Default account assignment*). Please note, if this required CO object is not provided via the template, the default CO assignment will be used automatically for migration.

Mapping Structure Hierarchy

Level	Name
1	Header + Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction FB01	<i>Post Document</i>
Transaction FB02	<i>Change Document</i>
Transaction FB03	<i>Display Document</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.38 FI - Historical balance

Available Migration Objects [page 3] in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Transactional data
Business Object Definition	<p>Historical G/L account balance: The balance of a G/L account is the amount resulting from the difference between the debit and credit balances of the account.</p> <p>There are two types of balance:</p> <ul style="list-style-type: none">• Credit balance (the credit side of the account is greater)• Debit balance (the debit side of the account is greater) <p>This object loads the historical balance for general ledger accounts without any complex plausibility checks into the universal journal. The reversal document will be created automatically. The migrated historical balances are intended as an approach for reporting. It is not possible to view the migrated documents themselves.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. Migration of Historical G/L account balances
2. Migration on already closed posting periods before migration key date
3. Postings to G/L accounts with open item management
4. Postings on G/L account without the required assignment to a CO object
5. Direct postings to reconciliation accounts (Customer, Vendor, Asset)

Out of Scope

1. Multiple line items per document post
2. External accounting document number
3. Postings on blocked or non existing G/L accounts

Supported Features

The following structures/features are supported in SAP S/4HANA:

- G/L Account Item
- Currency Item

Prerequisites

Before starting with the initial data transfer, you must define an overall migration key date for each company code. This migration key date will be used for all migration objects which are posting into financial accounting, except for the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) object.

Use the `FINS_MIG_CTRL_1` transaction ([Define Settings for Legacy Data Transfer](#)) to maintain these settings:

- Set the [Migration Key Date](#) for each required company code
- Set the [Legacy Data Transfer Status](#):
 - [In Preparation](#): migration key date is still unclear (Migration of transactional data is not possible)
 - [Ongoing](#): required for the initial data transfer (Migration of transactional data is possible)
 - [Completed](#): after successful finish of the initial data transfer (Migration of transactional data is not possible)

The following objects must have already been maintained or migrated:

- [G/L account \[page 116\]](#)
To be posted, G/L accounts must be maintained

Mapping Instructions

- Choose the required migration strategy in Migration Cockpit via the [Upload Style](#) parameter:
 - [Balance Carry Forward \(BCF\)](#): Post the accumulated balance at the end of each period and reverse the balance of the previous period.
 - [Next Period Reverse \(NPR\)](#): Post the initial cumulative balance in the first period and the subsequent movements at the end of each following period. The cumulative balance will be increased or reduced by the amount of the subsequent movements and will be automatically reversed in the period of the migration key date which is predefined via the [Define Settings for Legacy Data Transfer](#) app.
- Enter only one line per document post for each period into the migration file. The offsetting entry will be generated automatically to ensure the balance is zero.
- Please be aware you must fill and save value amounts in the migration file in number and not in string format. Check the settings for a delimiter.
- For migration, the debit/credit indicator will be controlled by the sign in the amount fields. The sign for negative values should be set at the beginning:
 - A **positive** value will post a debit entry (S)
 - A **negative** value will post a credit entry (H)
- Fiscal year and period must be before the migration key date. Postings after this key date are not allowed.

- Currency and amount:
 - All currency amount fields in the migration template are mandatory. The amounts will not be derived automatically.
 - Transaction/document currency is mandatory. Local/company code currency and group currency are optional and will be derived automatically by the customizing settings maintained in system. An error message will be displayed if those currencies are filled in the template but do not match the customizing settings.
 - Recommendation: provide all currency information via the template to ensure the provided amounts match to the related currencies. Otherwise, inconsistencies might be migrated.
- Naming convention used as internal document number (for example, DHG0000001):
 - D = Document
 - H = Historical
 - G = GL balance
 - 0000001 = automatically counted up
- Naming convention used for reversal document number (for example, DHR0000001):
 - D = Document
 - H = Historical
 - R = Reversal
 - 0000001 = automatically counted up

Mapping Structure Hierarchy

Level	Name
1	Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction S_PL0_86000030	<i>G/L Account - Balances</i>
Transaction FAGLB03	<i>G/L Account Balance Display</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.39 QM - Inspection method

Available Migration Objects [\[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM)
Business Object Type	Master data
Business Object Definition	Describes the procedure for inspecting a characteristic. Inspection methods are created as master records and assigned to master inspection characteristics, or inspection plans. Several inspection methods can be assigned to a master inspection characteristic.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Inspection Method General Data
- Inspection Method Short Text
- Inspection Method Long Text

Prerequisites

The following objects must have already been maintained or migrated:

- [QM/PM - Catalog code group/code \[page 209\]](#)
- [QM - Selected set \[page 224\]](#)
- [QM - Selected set code \[page 226\]](#)

Mapping Instructions

- The version of the inspection methods will be created as '000001'.
- Text line in inspection method long texts. For each inspection method, there may be several languages here, but each language only has one text line in the source file. The object will separate the text line into several lines automatically, and then into the long texts for each language.

Validity Period and Dependencies to Other Objects

Business objects that references this object must be created in validityperiod that fits to this object. If a successor object is created with a validity period starting before this object it will normally cause an error message during the creation or migration of the successor object. You therefore have to check such time dependencies before you create or migrate your objects. This will avoid later error messages and inconsistent data on your database.

Mapping Structure Hierarchy

Level	Name
1	Inspection Method General Data (mandatory)
2	Inspection Method Short Texts (mandatory)
2	Inspection Method Long Texts

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QS31	<i>Create Inspection Method</i>
Transaction QS32	<i>Create Inspection Method Version</i>
Transaction QS33	<i>Change Inspection Method Version</i>
Transaction QS34	<i>Display Inspection Method Version</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.40 QM - Inspection plan

Available Migration Objects [\[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM)
Business Object Type	Master data
Business Object Definition	Description of the quality inspection process for materials in a plant

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Task List Header
- Material Task List Assignment
- Operations
- Inspection Characteristics

Prerequisites

The following objects must have already been maintained or migrated:

- [QM/PM - Catalog code group/code \[page 209\]](#)
- [QM - Selected set \[page 224\]](#)
- [QM - Selected set code \[page 226\]](#)
- [QM - Inspection method \[page 125\]](#)
- [QM - Master inspection characteristic \[page 176\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Flow Variants for Inspection Point Completion

'' - Quantity, valuation and confirmation (production)

1 - Quantity, valuation (production)

2 - Valuation

3 - Automatic valuation based on insp. point definition

Mapping Structure Hierarchy

Level	Name
1	Task List Header (mandatory)
2	Material Task List Assignment (mandatory)
2	Operations (mandatory)
3	Inspection Characteristics

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QP03

Display Inspection Plan

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.41 *Material inspection setup*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	QM Master Data (QM-PT-BD)
Business Object Type	Master data
Business Object Definition	Within this migration object you can assign inspection setup data to a material.

In Scope

Migration to SAP S/4HANA is supported.

1. Inspection setup data

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Inspection Setup Data

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Mapping Instructions

- During migration, you can choose via control parameter whether the inspection setup data should be taken from the source file or if it should be taken from the default which is defined in the system.

Mapping Structure Hierarchy

Level	Name
1	Inspection Setup Data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03

[Display Material](#)

Choose ► [Quality Management](#) ► [Insp.setup](#) ►.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.42 *Internal order (restricted)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Controlling (CO)
Business Object Type	Transactional data
Business Object Definition	<p>An internal order is an instrument used to monitor costs and, in some instances, the revenues of an organization.</p> <p>Internal orders can be used for the following purposes:</p> <ol style="list-style-type: none">1. Monitoring the costs of short-term jobs2. Monitoring the costs and revenues of a specific service3. Ongoing cost control <p>Order Number Range</p> <p>All the internal order types Y020- Y600 use internal number range.</p> <p>However, Y9A0 uses external number range from 9A0000000000 to 9AZZZZZZZZZ.</p>

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Master Data
- Settlement Rules

Prerequisites

The following objects must already have been maintained or migrated:

- [Profit center \[page 191\]](#)
- [Cost center \[page 136\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Internal order master data (mandatory)
2	Settlement rule data

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction K003

Display Internal Order

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.43 *Material inventory balance*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Inventory Management (MM-IM)
Business Object Type	Transactional data

In Scope

Migration to SAP S/4HANA is supported.

1. Material document header
 2. Material document item
 3. The following types of transactions/events are supported: GM_Code 05: Other goods receipt
- The following stock types are supported:
 - 'X' - Stock in quality inspection
 - 'S' - Blocked stock
 - '' - Unrestricted use stock

i Note

For special stock indicators 'O' and 'V', the stock can only be posted in *Unrestricted use stock*.

- The following special stock indicators are supported:
 - 'K' - *Vendor consignment*
 - 'W' - *Customer consignment*
 - 'V' - *Returnable packaging with customer*
 - 'O' - *Parts provided to vendor*
 - 'E' - *Orders on hand*
 - 'Q' - *Project Stock*

i Note

For *Vendor consignment* stock, please provide special stock indicator 'K' and the vendor.

For *Customer consignment* stock, please provide special stock indicator 'W' and the customer.

For *Returnable packaging* stock, please provide special stock indicator 'V' and the customer.

For *Parts provided to vendor* stock, please provide special stock indicator 'O' and the vendor.

For *Orders on hand*, please provide special stock indicator 'E' and the sales order with the corresponding item

For *Project* stock, please provide special stock indicator 'Q' and the WBS element

For *Materials* which are serial managed, please provide for each serial number one item with quantity 1.

For *Materials* which are batch managed, please provide the corresponding batch. If the batch doesn't exist the system will create it within the goods movement posting.

Out of Scope

1. The following types of transactions/events are not supported:
 - GM_Code 01: Goods receipt for purchase order.
 - GM_Code 02: Goods receipt for production order
 - GM_Code 03: Goods issue
 - GM_Code 04: Transfer posting
 - GM_Code 06: Reversal of goods movements
 - GM_Code 07: Subsequent adjustment with regard to a subcontract order
2. Material document EWM Ref.
3. Service parts for SPM
4. Create item data for catch weight management
5. Material document print control
6. Storage locations with an assignment to an external warehouse are not supported

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material Document Header Data
- Assign Code to Transaction for Goods Movement
- Material Document Items
- Serial Number

The following structures/features are supported:

- Material Document EWM Ref.
- Service Parts for SPM
- Create Item Data for Catch Weight Management
- Material Document Print Control

Prerequisites

Before starting with the initial data transfer, you must define an overall migration key date for each company code. This migration key date will be used for all migration objects which are posting into financial accounting, except for the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) object.

Use the `FINS_MIG_CTRL_1` transaction (*Define Settings for Legacy Data Transfer*) to maintain these settings:

- Set the *Migration Key Date* for each required company code
- Set the *Legacy Data Transfer Status*:
 - *In Preparation*: migration key date is still unclear (Migration of transactional data is not possible)
 - *Ongoing*: required for the initial data transfer (Migration of transactional data is possible)
 - *Completed*: after successful finish of the initial data transfer (Migration of transactional data is not possible)

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#): It is not possible to enter the external value for the stock posting during migration. The system will calculate the value with the material prices defined in the material master in the accounting data. Please ensure that the price data provided in the material master is accurate.
- [Batch \(if Batch is unique at material level\) \[page 26\]](#) (otherwise the system will create the batch automatically during stock posting).

i Note

In the case of single batch valuation you have to migrate the batches with a valid valuation category assigned before you can post inventory. In this case we do not allow automatic creation of the batch and the valuation category during inventory posting.

- [Supplier \[page 239\]/Customer \[page 76\]](#) (only relevant for special stock: *K – vendor consignment*, *V – Returnable packaging with customer*, and *O - Parts provided to vendor*)
- *WBS element* (only relevant for special stock *Q - Project stock*)
- [Purchasing info record with conditions \[page 203\]](#) with info category *Consignment* (only relevant for vendor consignment stock)

Mapping Instructions

General Information

You can use the *Technical Item Number* field on the *Material Document Item* sheet itself to determine the numbers of items posted according to the unique identifier entered on the *Material Document Header* sheet. SAP recommends that you structure the document with a maximum of 1000 records per document.

i Note

The *Technical Item Number* field on the *Material Document Item* sheet and the *Technical Document Number* on the *Material Document Header* sheet are not mapped to a target field.

Mapping of the *Batch Number* field on the *Material Document Item* sheet

You want to post stock for a material that is defined by its valuation category as a material valued in single batches. In this case you have to provide a valid batch. The valuation category must be assigned in the batch itself.

Mapping of the *External Amount in Local Currency* field on the *Material Document Item* sheet

The valuation of the stocks to be entered depends on two factors:

- The price and type of price control defined in the accounting data of the material master record
- Whether or not you provide a value for the quantity entered:
 - For a material valued at a standard price, the initial entry of inventory data is valued on the basis of the standard price. If you provide an alternative value in the *External Amount in Local Currency* field, the system posts the difference to a price difference account.
 - For a material valued at moving average price, the initial entry of inventory data is valued as follows:
 - If you enter a value when entering initial data, the quantity entered is valued at this price. If the quotient of the value and the quantity of the initial data differs from the moving average price, the moving average price changes when initial data is entered.

- If you do not enter a value when entering initial data, the quantity entered is valued at the moving average price. In this case, the moving average price does not change.

Mapping Structure Hierarchy

Level	Name
1	Material Document Header (mandatory)
2	Material Document Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MMBE	Stock Overview
Transaction MB5L	List of Stock Values: Balances
Transaction MB51 with Goods Movement Type <i>561</i>	Material Doc. List
Transaction MB52	List of Warehouse Stocks on Hand

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.44 Cost center

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Cost center (CO)
Business Object Type	Master data
Business Object Definition	An organizational unit within a controlling area that represents a defined location of cost incurrence. A cost center can be defined in various time intervals.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Control
- Templates
- Address
- Communication

Prerequisites

The following objects must have already been maintained or migrated:

- Groups for *Cost center*
- [Profit center \[page 191\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid later error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Cost center master data (mandatory)

Language in Which Text is Saved

The *LANGU* field shows the language in which text is saved. The cost center name and description will be saved according to the entry in the *LANGU* field. If the field is not completed, the text will be saved in the user logon language as the default language. A cost center with a description in a different language is not supported.

Tax Jurisdiction Code Determination via Vertex

If *Vertex* is activated (especially on US installations) the tax jurisdiction code will be determined by the address.

If Vertex determines more than one tax jurisdiction code for a record, the migration of this record will fail. If this happens, you have to provide a more detailed/accurate address, for example, US Postal codes with 9 digits instead of 5 digits.

The more detailed and accurate an address, the better the tax jurisdiction code will be determined by Vertex. For some addresses, Vertex will always provide more than one tax jurisdiction code. In this case, you will have to maintain this record manually or provide a correct tax jurisdiction code within the template.

If there is a field available in the migration object template to provide the correct tax jurisdiction within the record, then fill this field with the correct code and start the transfer again with this new file.

Hierarchy area

Cost center groups entered in the *KHINR/Hierarchy area* field must be assigned to the standard hierarchy. If this is not the case, you will get the error message `Cost Center Group cannot be used`.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KS03

Display Cost Center

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.45 *Legal transaction*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Legal Content Management (LCM)
Business Object Type	Transactional data
Business Object Definition	<p>Business object that is used to manage the lifecycle of legal content as part of a business transaction or a business scenario.</p> <p>A legal transaction collects the involved parties and important dates, it groups the assigned documents and organizes the tasks.</p>

In Scope

Migration to SAP S/4HANA is supported.

1. Header Data
2. Entity Data
3. Internal Contact Data
4. External Contact Data
5. Linked Objects Data
6. Renewal and Termination Data
7. Relationship Data
8. Date Data
9. Categories Data

Out of Scope

1. Task Group Templates
2. Tasks

3. Documents
4. Linked Documents
5. Notes; object list cannot be created

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header
- Entity
- Internal Contact
- External Contact
- Linked Objects
- Renewal and Termination
- Relationship
- Date
- Categories

Prerequisites

Contexts and categories should be created in the system.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Header (mandatory)
2	Entity
2	Internal Contact
2	External Contact
2	Linked Objects
2	Renewal and Termination
2	Relationship
2	Date
2	Categories

Tax Jurisdiction Code Determination via Vertex

If Vertex is activated (especially on US installations) the tax jurisdiction code will be determined by the address.

If Vertex determines more than one tax jurisdiction code for one record, the migration of this record will fail. If this happens, you will have to provide a more detailed/accurate address, for example, 9 digit US Postal codes instead of 5 digits.

The more detailed and accurate an address, the better the tax jurisdiction code will be determined by Vertex.

For some addresses, Vertex will always provide more than one tax jurisdiction code. In this case you will have to maintain this record manually.

If there is a field available in the Migration object template to provide the correct tax jurisdiction within the record, then fill this field with the correct code and start the transfer again with this new file.

Pricing scales are supported

Example for quantity based scale:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	EA	100,00000	EUR
100,000	EA	90,00000	EUR

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

App: *Manage Legal Transactions*
Choose *Legal Transaction*.

Business Role: *Legal Counsel (SAP_BR_LEGAL_COUNSEL)*

Find more information about SAP Fiori apps in the [SAP Fiori apps reference library](#). This information covers required business roles and includes links to the respective app documentation.

Further Information

For information regarding the used API see SAP Note [1348099](#).

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.46 Activity type

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Activity types (CO)
Business Object Type	Master data
Business Object Definition	A unit in a controlling area that classifies the activities performed in a cost center. Example: Activity types in production cost centers are machine hours or finished units

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Indicator
- Output

Prerequisites

If you set the *TESTRUN* flag, the migration will be simulated but no data will be posted to the system.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Activity master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KL03

[Display Activity Type](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.47 PM - Maintenance item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Maintenance Item (PM)
Business Object Type	Master data
Business Object Definition	A description of the maintenance and inspection tasks required at regular intervals for maintenance objects.

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Data transfer for settlement rule of maintenance plan item
2. Data transfer for object list item of maintenance plan item
3. Data transfer for individual accounting and location data
 - These are taken from the reference object when they exist

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Maintenance Item

Prerequisites

The following objects must already have been maintained or migrated:

- [PM - Equipment \[page 96\]](#)
- [PM - Functional location \[page 109\]](#)
- [Work center/Resource \[page 245\]](#)
- Cost element
- [PM - General maintenance task list \[page 111\]](#)
- [PM - Equipment task list \[page 94\]](#)
- [PM - Functional location task list \[page 105\]](#)

Mapping Instructions

Maintenance Item Number

The *Maintenance Item Number* will be generated by the system during creation. The *Maintenance Item Number* will not be stored. It is only necessary for technical reasons. Every record must have a unique key.

Mapping Structure Hierarchy

Level	Name
1	Maintenance Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IP06

Display Maintenance Item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.48 *PM - Maintenance plan*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Maintenance Plan (PM)
Business Object Type	Master data

Business Object Definition

A list of maintenance and inspection tasks to perform on maintenance objects. The dates and scope of the tasks are also defined in the maintenance plan. There are three types of maintenance plan:

- Single cycle plans (time- or performance-based)
 - Strategy plans (time- or performance-based)
 - Multiple counter plans
-

In Scope

Migration to SAP S/4HANA is supported.

1. Data transfer for time- and performance-based maintenance plans
 - Strategy Plans
 - Single Cycle Plans
2. Data transfer for maintenance plan item

Out of Scope

1. Multi-Counter plans
2. Cycle information for strategy plans:
This is taken from the *Maintenance Strategy* object
3. Data transfer for settlement rule of maintenance plan item
4. Data transfer for object list item of maintenance plan item
5. Data transfer for individual accounting and location data:
This taken from the *Reference* object, where this exists

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Maintenance Plan
- Maintenance Item

Prerequisites

The following objects must have already been maintained or migrated:

- [PM - Equipment \[page 96\]](#)

- [PM - Functional location \[page 109\]](#)
- [PM - Equipment task list \[page 94\]](#)
- [PM - Functional location task list \[page 105\]](#)
- [PM - General maintenance task list \[page 111\]](#)
- [Work center/Resource \[page 245\]](#)
- Measuring Points/Counters (performance-based Maintenance Plan)
- Measuring Document (performance-based Maintenance Plan): manually create the measuring document(s) within the counter before executing the migration of any performance-based maintenance plans

Mapping Instructions

- During migration you can choose between internal and external number assignment for the maintenance plan. The *Maintenance Item Number* will be generated by the system during creation.
- The difference between a single cycle plan and a strategy plan is made via the *STRAT* field (blank or filled).

Mapping Structure Hierarchy

Level	Name
1	Maintenance Plan Data (mandatory)
2	Maintenance Item Data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction IP03	<i>Display Maintenance Plan or</i>
Transaction IP16	<i>Display Maintenance Plan: Selection Criteria</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.49 Product classification - Commodity code

Available Migration Objects [page 3] in SAP S/4HANA.

⚠ Caution

A prerequisite for this object (previously named *Material commodity code*) to be visible is that either the *Intrastat Processing* (BDT) or the *SAP Global Trade Services Integration - Primary Master Data* (1WA) scope item is activated. Refer to the *Set-up instructions* on SAP Best Practices Explorer for [BDT](#) and/or [1WA](#) to activate the respective scope item.

Purpose

Business Object Component/Area	Global Trade Services (SLL-LEG)
Business Object Type	Master data
Business Object Definition	<p>You can classify products by commodity code, an official key as defined in the European Communities' harmonized system for describing and coding commodities. Commodity codes are used in the Intrastat declaration and are relevant to EU foreign trade statistics.</p> <p>The plant in the migration template is used to determine the plant country and, depending on that, the numbering scheme assigned to that country.</p> <p>New classifications are time-dependent and the validity of those records is based on the validity of the commodity code instance found in the system. If several instances of the same commodity code are found, the one that is currently valid will be used. If no such instance exists, the last one chronologically is used.</p>

In Scope

Migration to SAP S/4HANA is supported.

Classification with commodity code.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Classification on plant level

Prerequisites

- Commodity Code Numbering Schemes are assigned to countries
- Commodity Codes are maintained for relevant numbering schemes

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03

Display Material

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.50 *Material - Forecast planning*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

! Restriction

- To migrate material consumptions please use the new [Product consumption \[page 194\]](#) migration object.

- To migrate forecast values you can still use this object.

Purpose

Business Object Component/Area	Material Master (LO-MD)
Business Object Type	Master data
Business Object Definition	A quantity usually updated by the system when a material is withdrawn from the warehouse or stores, indicating how much of the material has been used or consumed over a particular past period.

In Scope

Migration to SAP S/4HANA is supported.

1. Migration of Forecast values

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Forecast Values

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Mapping Instructions

Restrictions

You can migrate several org. levels for a specific material with one migration template of a specific project.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03

Display Material

Choose ► *Forecast view* ► *Consumption values* ► *Forecast values* ▾. Consumption values can also be accessed via ► *Go To Additional Data* ► *Consumption* ▾.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.51 *Material - extend existing record by new org levels*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Material Master (LO-MD)
Business Object Type	Master data
Business Object Definition	Logistics Basic Data (LO-MD) The total of all material master records. A company manages the data on all its materials in the material master.

In Scope

i Note

With this migration object you can extend existing material by new org levels (for example plant, sales org, or storage location) once per migration project.

A material view, such as [Accounting](#) or [Costing](#), contains fields of different org levels (for example basic, plant, or accounting data). It is therefore not recommended to enhance a material by a different material view.

Migration to SAP S/4HANA is supported.

1. Extend already existing materials with new org levels
2. Basic data (only fields which might become relevant when you migrate new organizational units)
3. Plant data
4. Storage Location
5. Accounting data

i Note

The valuation data is a prerequisite for loading the stocks with the [Material inventory balance \[page 132\]](#) migration object, as the system will calculate the values of the stock posting with the price data provided in the material master.

6. Sales data
7. Descriptions data
8. Units of Measure data
In this view you can maintain Alternative Units of Measure
9. Tax Classifications
In this view you can maintain the tax data (from Sales Org Data 1) and the tax indicator for material (Purchasing)
For tax data (Sales) please provide the country, the tax category and the tax classification. If you have more than one tax category for a country, please use the [Tax category 2/Tax classification 2](#) fields and further on, use the [Tax classification](#) sheet to provide the additional tax data.
For the tax indicator for material (Purchasing), please enter the value in the [Tax indicator for material](#) field on the [Tax classification](#) sheet for the country relating to your plant.
10. Warehouse Number data
11. Storage Type data
12. Production Resource Tool (PRT) Fields in the Material Master
13. Data Transfer for Forecast Values

Out of Scope

1. Material Long Text
2. Data Transfer for Unplanned Consumption
3. Data Transfer for Total Consumption of Material

4. Data Transfer of MRP Areas
5. Data Transfer of Prices for different Group Currencies
6. Change already existing data

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Plant Data
- Storage Location Data
- Accounting Data
- Sales Data
- Description Data
- Unit of Measure Data
- Tax Classification Data
- Warehouse Number Data
- Storage Type Data
- Production Resource Tool (PRT)
- Forecast Parameters

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Profit center \[page 191\]](#)

Mapping Instructions

Basic Data

On the *Basic Data* sheet we only offer fields which might become relevant when you migrate a new organizational unit. This can be the case, for example when you migrate a new plant including purchasing relevant data (like purchasing group). Then the *Order Unit* field on the *Basic Data* sheet might also become relevant to provide a value.

Please consider: You can't transfer a value in one of the fields provided on the *Basic Data* sheet which has already a value in the related material master. It's not allowed to change already existing values in the related material master: Therefore you can use the *Manage Mass Maintenance – Products* app. For further information, refer to the [online documentation](#) of the *Manage Mass Maintenance – Products* app.

New storage location to an existing plant

If you want to migrate a new storage location to an already existing plant, please provide only the key fields on the *Plant Data* sheet and leave all the other fields blank. It is not allowed to change already existing values for an existing plant. If you provide other values on the *Plant Data* sheet, an error message will display.

Recommendation on how to handle cross-plant material status and plant-specific material status

If you set the material status during the initial load of the materials, you need to consider that, depending on which status you want to assign, follow-on migration objects can't be posted as the posting may lead to an error depending on the settings of the status.

Example: In SAP standard delivery, material status 01 is configured in such a way that, during the posting of inventory, you'll get an error message. Consider that when you assign the status, the use of the material can be restricted. Depending on the status, the system issues either a warning message or an error message for follow-on postings. Therefore, we recommend that you consider this field carefully so that you won't run into follow-on problems during the data migration process. You can easily set the content of these fields after the initial data migration using the *Manage Mass Maintenance – Products* app.

The *Master Data Specialist for Product Data* business role (SAP_BR_PRODMASTER_SPECIALIST) provides you with several tiles to manage and start the *Manage Mass Maintenance – Products* app. You can open the app from the SAP Fiori launchpad. You can import a file with changed data (supported formats are Comma-Separated Values (CSV) and Microsoft Office Open XML spreadsheet (XLSX)). You have to provide the following details:

- Master data objects that are updated
- Tables and fields to be updated and the respective values

For further information, refer to the online documentation of the *Manage Mass Maintenance – Products* app.

Single Batch Valuation

Single Batch Valuation enables you to value stocks of material for each batch in a different way. You can use it if you want to keep the price and value of each individual batch in inventory management on a value basis.

To work with valuation for a single batch, you must choose valuation category *X - for Automat. Batch*. Please provide this on the *Accounting Data* sheet in the *Valuation Category* field.

i Note

You need to manage the material itself in batches. Therefore you have to provide the Batch management requirement indicator on the *Basic Data* sheet.

If you use the single batch valuation for your material, you have to enter the valuation records as follows:

You have to define a valuation header record with specified valuation category X, an initial valuation type and a dependent record for each valuation type (one valuation type for each batch) with its own price information.

Material No.	Valuation Area	Valuation Type	Valuation Category
A001	1010		X (Automat. Batch)
A001	1010	C1	X (Automat. Batch)
A001	1010	C2	X (Automat. Batch)

i Note

For the valuation header record only price control 'V' - moving average price is possible. For the dependent records for each valuation type, you can choose between moving average price or standard price.

Split Valuation

Split valuation enables you to value stocks of material in the same valuation area in different ways. If you use the split valuation for your material, you have to enter the valuation records as follows:

You have to define a valuation header record with a specified valuation category and initial valuation type and also a dependent record for each valuation type.

For example:

Material No.	Valuation Area	Valuation Type	Valuation Category
A001	1010		H (Origin)
A001	1010	Domestic	H (Origin)
A001	1010	Foreign	H (Origin)

Mapping Structure Hierarchy

Level	Name
1	Basic Data (mandatory)
2	Plant Data
3	Storage Location Data
3	Forecast Parameters
3	Production Resource Data
2	Warehouse Number Data
3	Storage Type Data
2	Accounting Data
2	Sales Data
2	Material Descriptions
2	Alternative Units of Measure
2	Tax Classification
1	Settings Maintenance Status

Maintenance Status Settings

Just like the organizational-dependent data, the material master data is also organized via so-called views (*Purchasing*, *Accounting* view, and so on). These views are represented as tabs in your SAP Fiori app and as material master transactions (MM01, MM02, MM03) in the on premise system. You can assign fields to multiple views. The *Purchasing Group* field, for example, is assigned to the *Purchasing* and to the *MRP* views. Each view may have different mandatory fields to maintain. A view is assigned a specific letter. For example, the letter **D** is assigned to the *MRP* whereas the letter **E** is assigned to the *Purchasing* view. There are two different

methods for defining the maintenance status that should be available for a specific material which will be extended:

1. The maintenance status will automatically be detected by the system for the fields used. In our example, the *Purchasing Group* is available for the *Purchasing* view **E** and the *MRP* view **D**. The maintenance status will therefore be **DE** for this field. This procedure will be followed for all mapped fields, after which a combined maintenance status for all fields will be available, for example: **BELV**.
2. You, yourself define the views to be created via the *Maintenance Status Settings* worksheet/tab of your migration object template. Here, you define a name for your view definition in the *Material Views* field, for example, **PLANT_HAWA** to define the maintenance status for the plant-specific data for materials of that type, which will be extended. For each view that you want to create, you must enter an **x** in the specific *Material Views* column of that worksheet/tab, for example: **PLANT_HAWA**
 - Sales Data = **x**
 - Purchasing Data = **x**
 - MRP Data = **x**
 - Storage Data = **x**
 - Accounting Data = **x**

You fill out the *Material Views* field on the *Plant Data* worksheet/tab with **PLANT_HAWA** for all trading goods materials of type *HAWA*, which you want to extend. You always have to provide values for both fields. As a result, only the selected views are created for these materials.

i Note

If you maintain the status using method 2, only the selected views will be created.

For example: You maintain the status for *Sales Data* (V) but not for *Accounting Data* (B). You maintain values for fields on the *Accounting Data* worksheet/tab. As a result, the status for the *Accounting* view will not be set.

Additional examples:

- If you want to create a material with a specific *Purchasing Group*, the system will determine the *Purchasing* view and the *MRP* view to be filled. However, you do not want to maintain the fields in the *MRP* view.
Solution: In this case, you also have to provide values for some mandatory fields like *Availability Check* and *MRP Type* in the *MRP* view. To avoid this, choose method 2 and select only the *Purchasing* view as a view to be created.
- You want to automatically have the *Storage Location* view created for a material and its storage location by migrating its inventory stock.
Solution: You need to explicitly set the maintenance status for the *Storage Location* (L) on the *Plant Data* level (also refer to SAP Note [62913](#)).

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

Follow-On Activities

You can use the [Material - extend existing record with long text \[page 159\]](#) migration object to migrate material-related long texts

You can use the [Material - Forecast planning \[page 149\]](#) migration object to migrate material consumptions and forecast values (only supported for on premise).

How to Validate your Data in the System

Transaction MM03	<i>Display Material</i>
Transaction MM50	<i>Material List</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.52 Product classification - Legal control

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	International Trade Classification (SLL-ITR-CLS)
Business Object Type	Master data
Business Object Definition	You can use this migration object to classify products for legal control. This includes the assignment of control classes and control groupings as well as the setting of the control relevance.

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

It is not possible to maintain the validity start and validity end of the product classification. The validity is derived from the control class.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Legal Control Classification Data

Prerequisites

Required business role:

- [Trade Classification Specialist](#) (SAP_BR_TRD_CLS_SPECIALIST)

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

The following data must have already been set up:

- Legal Regulation
- Control Classes (if used in the template)
- Control Groupings (if used in the template)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Legal Control Classification (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

App:	<i>Display Classified Products</i>
Business Role:	<i>Trade Classification Specialist</i> (SAP_BR_TRD_CLS_SPECIALIST)

Find more information about SAP Fiori apps in the [SAP Fiori apps reference library](#). This information covers required business roles and includes links to the respective app documentation.

Further Information

[International Trade](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.53 *Material - extend existing record with long text*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Material Master (LO-MD)
Business Object Type	Master data
Business Object Definition	You can create different long texts for a material. The key for long texts is built with text object, text name, text ID and language key. The text object and text name are provided by the migration object itself. The text ID defines the various types of texts relating to a text object. The following table defines which combinations are permitted for material long texts.
Text Object	Text ID
MATERIAL	BEST (Purchase order text)

Text Object	Text ID
MATERIAL	GRUN (Basic data text)
MATERIAL	IVER (Internal comment)
MATERIAL	PRUE (Inspection text)
MDTXT	LTXT (Material memo)
MVKE	0001 (Sales text)

In Scope

Migration to SAP S/4HANA is supported.

1. Material long texts:
Purchase order text, basic data text, internal note, inspection text.
2. MRP long texts:
You can only transfer MRP long texts in the language which is assigned to the plant.
3. Sales long texts

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material Long Text
- MRP Long Text
- Sales Long Text

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Material (mandatory)

Level	Name
2	Material long text
2	MRP long text
2	Sales long text

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03

Display Material

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.54 *Material determination*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	SD-MD-MM-DET
Business Object Type	Master data

Business Object Definition

Material determination enables you to carry out the following tasks during sales order processing:

- Automatically substitute materials
 - Automatically determine and offer the user a selection of products based on predefined conditions
-

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Material Substitution (mandatory)

Please refer to the field tooltips of the template file for further information.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.

Download the test script from the [Details](#) section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction VB11	Create Material Substitution
Transaction VB12	Change Material Substitution
Transaction VB13	Display Material Substitution

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.55 Material

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Material Master (LO-MD)
Business Object Type	Master data
Business Object Definition	Logistics Basic Data (LO-MD) The total of all material master records. A company manages the data on all its materials in the material master.

In Scope

Migration to SAP S/4HANA is supported.

1. Initial Load of Material Master
2. Split Data Load of Material Master

If you want to save time and load your material master days or weeks before your cutover, you can load the “pure” material master, without valuation master data, as a first step. Later, you can use the [Material - extend existing record by new org levels \[page 151\]](#) migration object to migrate the valuation data. This could also be very helpful if you, for example, migrate Bill of Material objects (Material BOM) where the

material master is a prerequisite. Since the valuation values continue to change until the cutover, they should be migrated shortly before go live. You can save time by stretching the timeline for the data migration.

3. Basic Data
4. Plant Data
5. Storage Location
6. Accounting Data

i Note

The valuation data is a prerequisite for loading the stocks with the [Material inventory balance \[page 132\]](#) migration object as the system will calculate the values of the stock posting with the price data provided in the material master.

In the case of **Single Batch Valuation**, please follow the mapping instructions provided.

7. Sales Data
8. Description Data
In this view, you can maintain additional descriptions (for languages other than those provided on the [Basic Data](#) sheet).
9. Units of Measure Data
In this view, you can enter [Alternative Units of Measure](#) (provide only the [Base Unit of Measure](#) on the [Basic Data](#) sheet).
10. Tax Classifications
In this view, you can maintain the [Tax data](#) (from Sales Org Data 1) and the [Tax indicator for material \(Purchasing\)](#).
For [Tax Data \(Sales\)](#), provide the country, the tax category and the tax classification. If you have more than one tax category for a country, use the [Tax category 2/Tax classification 2](#) fields and, further on, the [Tax classification](#) sheet to provide the additional tax data.
For [Tax indicator for material \(Purchasing\)](#), enter the value in the [Tax indicator for material](#) field on the [Tax classification](#) sheet for the country relating to your plant.
11. Maintenance Status Settings (maintain the views for your materials).
For more details, see the [Maintenance Status Settings](#) section under [Mapping Instructions](#) below.
12. Warehouse Number Data
13. Storage Type Data
14. Production Resource Tool (PRT) Fields in the Material Master
15. Data Transfer for Forecast Values
16. Data for Quality Management
17. Additional EANs

Out of Scope

1. Internal numbering is not supported
2. Material long text (therefore, use the [Material - extend existing record with long text \[page 159\]](#) migration object)
3. Data Transfer for Unplanned Consumption
4. Data Transfer for Total Consumption of Material

5. Enhance already existing data. If you want to enhance an already existing material use the [Material - extend existing record by new org levels \[page 151\]](#) migration object.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Plant Data
- Storage Location Data
- Accounting Data
- Sales Data
- Description Data
- Unit of Measure Data
- Tax Classification Data
- Warehouse Number Data
- Storage Type Data
- Production Resource Tool (PRT)
- Forecast Parameters

Prerequisites

The following objects must have already been maintained or migrated:

- [Profit center \[page 191\]](#)
- [Supplier \[page 239\]](#) (Manufacturer)

Mapping Instructions

- Be aware of the defined length set for the material number in the system. Do not convert a material number to a new number longer than the defined length set.
- If the *Material ID* is to be used for integration with external systems, it can be switched on during migration. In this connection, you must also maintain the *Business System ID* of your source system (to be used for integration) in the *Convert Values* step, to ensure that the key mapping will be added to the central key mapping store of the SAP S/4HANA system.

Indicator material is configurable

Consider the following: If you are dealing with the *KMAT - Configurable materials* material type, the system will always set this indicator. In this case, the *Item* category will also be defaulted if you do not support this on the migration template. For KMAT materials the procurement type will always be set to *E - In-house production*.

If you want to set the indicator material as configurable for materials with other material types assigned (not KMAT), you have to enter this indicator on the *Basic Data* sheet in the *Material is configurable* field.

Batch Management requirement indicator

Starting with SAP S/4HANA Cloud release 1802, you can specify whether batch management at plant level is **active** by default or not. You can maintain this setting via the SSCUI. Therefore, open the *Manage Your Solution* app, and choose *Configure Your Solution*. The *Specify Batch Management Default by Plant* setting allows you to activate or deactivate batch management by default for specific plants.

During the migration process, the logic is as follows:

If your material is managed in batches, set the *Batch management requirement* indicator under *Multiple View Data* on the *Basic Data* sheet of the migration template. If you fill out this field, the system will set the *Batch management requirement* indicator automatically for all plants defined on the *Plant Data* sheet for this material. This is applicable for all plants that are not flagged with the *Batch Management not active by default* indicator in the SSCUI.

Recommendation on how to handle cross-plant material status and plant-specific material status

If you set the material status during initial load of the materials, do consider that, depending on which status you want to assign, follow-on migration objects can't be posted, as the posting may lead to an error depending on the settings of the status.

Example: in SAP standard delivery, the material status **01** is configured in such a way that, during posting of inventory, you will receive an error message. Consider that by assigning this status, the use of the material can be restricted. Depending on the status, the system issues either a warning message or an error message for follow-on postings. Therefore, SAP recommends that you consider this field carefully so that you will not run into follow-on problems during the data migration process. You can easily set the content of these fields after the initial data migration, using the *Manage Mass Maintenance – Products* app.

The *Master Data Specialist for Product Data* business role (SAP_BR_PRODMASTER_SPECIALIST) provides you with several tiles to manage and start the *Manage Mass Maintenance – Products* app. The app can be launched from the SAP Fiori launchpad. You can import a file with changed data (supported formats are Comma-Separated Values (CSV) and Office Open XML spreadsheet (XLSX)). You have to provide the following details:

- which master data objects are to be updated.
- which tables and fields are to be updated, and the respective values.

i Note

For further information, refer to the [online documentation](#) of the *Manage Mass Maintenance – Products* app.

Single Batch Valuation

Single Batch Valuation enables you to value stocks of material for each batch in a different way. You can use it if you want to keep the price and value of each individual batch in inventory management on a value basis.

To work with valuation for a single batch, you must choose valuation category *X - for Automat. Batch*. Provide this on the *Accounting Data* sheet in the *Valuation Category* field.

i Note

The material itself needs to be managed in batches, therefore you have to provide the *Batch management requirement* indicator on the *Basic Data* sheet.

If you use the single batch valuation for your material, you have to enter the valuation records as follows:

- You have to define a valuation header record with specified valuation category **X**, and an initial valuation type and a dependent record for each valuation type (one valuation type for each batch) with the respective price information.

For example:

Material No.	Valuation Area	Valuation Type	Valuation Category
A001	1010		X (Automat. Batch)
A001	1010	C1	X (Automat. Batch)
A001	1010	C2	X (Automat. Batch)

Note

For the valuation header record, only price control *V - moving average price* is possible. For the dependent records for each valuation type, you can choose between *moving average price* or *standard price*.

Split Valuation

Split valuation enables you to value stocks of material in the same valuation area, in different ways. If you use the split valuation for your material, you have to enter the valuation records as outlined below.

Define a valuation header record with a specified valuation category and an initial valuation type as well as a dependent record for each valuation type.

For example:

Material No.	Valuation Area	Valuation Type	Valuation Category
A001	1010		H (Origin)
A001	1010	Domestic	H (Origin)
A001	1010	Foreign	H (Origin)

Mapping Structure Hierarchy

Level	Name
1	Basic Data (mandatory)
2	Plant Data
3	Storage Location Data
3	Forecast Parameters
3	Production Resource Data
2	Warehouse Number Data
3	Storage Type Data
2	Accounting Data
2	Sales Data

Level	Name
2	Material Descriptions
2	Alternative Units of Measure
2	Additional EANs
2	Tax Classification
1	Maintenance Status Settings

Maintenance Status Settings

As well as the organizational-dependent data, the material master data is also organized via so called views (Basic, Purchasing, Accounting view, and so on). These views are represented as tabs in your SAP Fiori app and as material master transactions (MM01, MM02, MM03) in the on-premise system. Fields can be assigned to multiple views. The *Purchasing Group* field, for example, is assigned to both the *Purchasing* and the *Manufacturing* views. Each view may have different mandatory fields to maintain. A view is assigned a specific letter. For example, the *MRP* view has the letter *D* whereas the *Basic Data* view has letter *K* assigned. A combination of letters, that represents the available views for a specific material, is stored in a field called *Maintenance Status*. The maintenance status can be defined differently for the following sheets in the *Administrative Data* field group of the migration object template:

- *Basic Data*
- *Plant Data*

You always have to provide the material maintenance status, we do not support an automatic maintenance status determination.

There are two different procedures to define the maintenance status that should be available for a specific material:

1. You, yourself, define the views to be created via the *Maintenance Status Settings* worksheet/tab of your migration object template.
 - Here, you define a name for your view definition in the *Material Views* field. For example:
 - BASIC_HAWA to define the overall maintenance status for material of the type trading goods (Handelsware, HAWA) and
 - PLANT1_HAWA to define the maintenance status for the plant-specific data for materials of that type (for plant PLANT1).
 - PLANT2_HAWA to define the maintenance status for the plant-specific data for materials of that type (for plant PLANT2).
 - For each view you want to create, you must enter an **x** in the specific *Material Views* column of that worksheet/tab.
 - For example: BASIC_HAWA
 - *Basic Data* = **x**
 - *Sales Data* = **x**
 - *Purchasing Data* = **x**
 - *MRP Data* = **x**
 - *Storage Data* = **x**
 - *Accounting Data* = **x**
 - For example: PLANT1_HAWA
 - *Sales Data* = **x**

- *Accounting Data* = **x**
 - For example: PLANT2_HAWA
 - *Purchasing Data* = **x**
 - *MRP Data* = **x**
 - *Storage Data* = **x**
 - *Accounting Data* = **x**
 - You then fill the *Material Views* field on the *Basic Data* worksheet/tab with BASIC_HAWA for all trading goods materials of type HAWA. You also fill the *Material Views* field on the *Plant Data* worksheet/tab with PLANT1_HAWA for all trading goods materials of type HAWA for plant PLANT1, and with PLANT2_HAWA for plant PLANT2. You must always provide values for both fields. As a result, only the selected views are created for these materials.
2. If you are familiar with maintenance status and the specific letters, or if the data source is an extract of a prior SAP ERP System, you can fill the following fields directly with the respective data from the SAP ERP source table's *Maintenance Status* field (PSTAT). In this case, it is not necessary to maintain both the *Maintenance Status Settings* worksheet/tab **and** the *Material Views* source field.
- *Material Maintenance Status* field on the *Basic Data* worksheet/tab.
 - *Plant Maintenance Status* on the *Plant Data* worksheet/tab.
 - Possible values and combinations of these:
 - **A** = Work Scheduling;
 - **B** = Accounting;
 - **D** = MRP;
 - **E** = Purchasing;
 - **F** = PRT;
 - **G** = Costing;
 - **K** = Basic;
 - **L** = Storage;
 - **P** = Forecast;
 - **Q** = QM;
 - **S** = Warehouse management;
 - **V** = Sales.
 - For example: **BEKLV**.

More details on the maintenance status can be found in SAP Note [2145027](#).

i Note

If you maintain the status using method 1 or 2, only the selected views will be created.

For example: You maintain the status for *Basic Data (K)* and *Sales Data (V)*, but not for *Accounting Data (B)*. You maintain values for fields on the *Accounting Data* worksheet/tab. As a result, the status for the *Accounting* view will not be set.

Additional examples:

- If you want to create a material with a specific *Purchasing Group*, the system will determine the *Purchasing* view and the *MRP* view to be filled. However, you do not want to maintain the fields in the *MRP* view.

Solution: In this case, you also have to provide values for some mandatory fields like *Availability Check* and *MRP Type* on the *MRP* view. To avoid this, choose procedure 2 or 3, and select only the *Purchasing* view as a view to be created.

- You want to automatically have the *Storage Location* view created for a material and its storage location by migrating its inventory stock.

Solution: You need to explicitly set the maintenance status for the *Storage Location (L)* on the *Plant Data* level (see also SAP Note [62913](#)).

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

Follow-On Activities

You can use the [Material - extend existing record with long text \[page 159\]](#) migration object to migrate material related long texts.

You can use the [Material - Forecast planning \[page 149\]](#) migration object to migrate material consumptions and forecast values (only supported for on-premise solution).

You can use the [Product classification - Commodity code \[page 148\]](#) migration object to migrate product classification with commodity code.

How to Validate your Data in the System

Transaction MM03	<i>Display Material</i>
Transaction MM60	<i>Material List</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.56 Xceptional case - Material price chng for global currencies

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Actual Costing/Material Ledger (CO-PC-ACT)
Business Object Type	Transactional data
Business Object Definition	<p>During migration of material master, the system will create the accounting data (prices and values) for the company code currency. For other deviant currencies (for example, group currency) the system converts the currency using the current exchange rate defined in the system. If this is not the original price, you can use this migration object to change the price for the other deviant currencies.</p> <p>If you have to change your price, it is recommended that you do this before you migrate your material inventory balance.</p> <div data-bbox="820 869 1401 1048"><p>i Note</p><p>The system will post a price change document and, if stock of the material exists, a revaluation posting will be created.</p></div>

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Split valuation is not supported for Cloud

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material
- Valuation Area
- Valuation Type
- Price Data
- Prices

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Exchange rate \[page 98\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Header Data (mandatory)
2	Price Data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MR21

Price Change

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.57 *Cash memo record*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)-Cash Management
Business Object Type	Transactional data
Business Object Definition	Memo Record is used by cash manager to log the expected outgoing and incoming payments that are not logged into the SAP system via various postings.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Cash memo record

Prerequisites

If the source symbol for planning level is BNK (Bank Accounting) for example if planning level is AB, then in that case Bank account should be existing in the system before creating memo record.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Cash memo record data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.

There, choose your SAP S/4HANA release from the *Version* field.

Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction FF65

List of Cash Management Memo Records

Available Migration Objects [page 3] in SAP S/4HANA.

1.58 *Condition record for pricing in purchasing*

Available Migration Objects [page 3] in SAP S/4HANA.

! Restriction

This migration object may only be used for migration in the context of SAP Best Practices.

Purpose

Business Object Component/Area

Condition record for pricing in purchasing.

During pricing, the system automatically transfers pricing data from the price conditions, for example in sales and distribution. Prices, surcharges, and discounts are determined in sales and billing documents.

Business Object Type

Master data

Business Object Definition

The term pricing is used broadly to describe the calculation of prices (for external use by customers or vendors). Conditions represent a set of circumstances that apply when a price is calculated.

In Scope

Migration to SAP S/4HANA is supported.

The following price conditions are supported:

1. Prices for application M - Purchasing (including scales)

Out of Scope

1. Sales conditions (see migration object [Condition record for pricing in sales \[page 220\]](#))

Supported Features

The following structures/features are supported in SAP S/4HANA:

- This object is strictly restricted to the key field combinations mentioned in [2332748](#) (SAP S/4HANA Supported combinations of key fields for price conditions).
- For other key combinations you must use the [Condition record for pricing \(general template\) \[page 56\]](#) migration object.

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Pricing condition records (mandatory)
2	Scales

For more information on how to fill out the condition keys please refer to SAP Note [2332748](#).

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.

There, choose your SAP S/4HANA release from the *Version* field.

Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MEK3

Display Conditions (Purchasing)

Examples

Example of a Quantity-Based Scale:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	EA	100,00000	EUR
100,000	EA	90,00000	EUR

Example of a Scale-Based on Gross Weight:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	KG	100,00000	EUR
100,000	KG	90,00000	EUR

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.59 QM - Master inspection characteristic

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area

Quality Management (QM)

Business Object Type

Master data

Business Object Definition

Characteristic on the basis of which an inspection is performed.

For inspection characteristics a distinction is made between qualitative and quantitative characteristic types. Inspection characteristics are often quality characteristics, but that does not necessarily have to be the case.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- Characteristic Control Indicators
- Assign Inspection Methods
- Assign Inspection Catalogs
- Long Texts

Prerequisites

The following objects must have already been maintained or migrated:

- [QM/PM - Catalog code group/code \[page 209\]](#)
- [QM - Selected set \[page 224\]](#)
- [QM - Selected set code \[page 226\]](#)
- [QM - Inspection method \[page 125\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Master Insp. Char. Basic Data (mandatory)
2	Insp. Methods or Insp. Char.
2	Charact. Control Indicators (mandatory)
2	Master Insp. Char. Short Texts (mandatory)
2	Master Insp. Char. Long Texts

Detailed Mapping Instructions

- The version of the master data will be created as '000001'.
- The object only supports the assignment of one catalog, with type '1' (Characteristic attributes only).
- Text line in master inspection characteristic long texts

For each master inspection characteristic, there may be several languages here, but for each language, there is only one text line in the source file.

The object will separate the text line into several lines automatically into the long texts for each language.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QS21	<i>Create master insp. characteristic</i>
Transaction QS22	<i>Create Master Insp. Charc Version</i>
Transaction QS23	<i>Change master insp. charac. version</i>
Transaction QS24	<i>Display master insp. charac. version</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.60 JIT - Customer

Available Migration Objects [\[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	LE-JIT
Business Object Type	Master data
Business Object Definition	Customer Master enables you to manage Customer Data and receive Just-In-Time requests from these customers.

In Scope

Migration to SAP S/4HANA is supported.

1. Migration of Basic Data
2. Migration of Destinations
3. Migration of External Status Mapping
4. Migration of Additional Reference Text

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Destinations
- External Status Mapping
- Additional Reference text

Prerequisites

The following objects must have already been maintained or migrated:

- [Customer \[page 76\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Basic Data (mandatory)
2	Destinations
2	External Status Mapping
2	Additional Reference text

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

App: *Manage JIT Customer Data*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.61 PA - Catalog item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Patient Accounting (IS-PM-PA)
Business Object Type	Master data
Business Object Definition	<p>Catalog item: Entry in a catalog in Patient Accounting</p> <p>For example, a catalog entry could represent a service or a procedure. A catalog item can have the following attributes:</p> <ul style="list-style-type: none">• Unique identification• Name of catalog entry• External identification

In Scope

Migration to SAP S/4HANA is supported.

1. Create catalog item.
2. Create texts for the catalog item.
3. Create columns for the catalog item.

Out of Scope

1. New catalog cannot be created
2. Existing catalog item cannot be maintained. It should be maintained by transaction `NT02` ([Change Catalog Item](#)).

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Catalog Item
- Texts
- Columns

Prerequisites

The following objects must have already been maintained or migrated:

- Institution
- Catalog
- Service Catalog Column Information

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Catalog item (mandatory)
2	Texts
2	Columns

Catalog Item Tab

The *External ID* field is the *ID* for this catalog item in your institution. It must be unique in the catalog it belongs to.

The *Unit* data is mandatory for a service (esp. EBM).

The *Unit* data must be entered in ISO format.

Texts Tab

If a text row is created, the short description field is mandatory, and it should be no more than 120 characters.

If the comment field is longer than 30 characters, a long text will be created.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction NT03

[Display Catalog Item](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.62 FI - Accounts payable open item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Transactional data
Business Object Definition	Open items are those items that are not yet to be cleared. This document describes how to load the Accounts Payable open items also known as Vendor open items.

In Scope

Migration to SAP S/4HANA is supported.

1. Restricted migration of deferred taxes: only invoice, debit memo, and credit memo are supported

Out of Scope

1. Multiple vendor line items per document post
2. External accounting document number
3. Open tax items (must be settled before data migration. Exception: Deferred tax)
4. Calculate tax automatically

5. Migration of down payment with deferred tax code, composite deferred tax code, for example, VAT + Sales, reverse charge, etc.
6. The mass migration of Accounts Payable open items with special G/L indicator referring to special G/L type 'W' is generally not supported. Nor is special G/L indicator leading to noted item. These data must be posted manually in financial accounting. All other special GL indicators ARE supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header
- G/L Account Item
- Vendor Item
- One-Time Account Data
- Tax Item
- Withholding Tax Item
- Currency Item

Prerequisites

Before starting with the initial data transfer, you must define an overall migration key date for each company code. This migration key date will be used for all migration objects which are posting into financial accounting, except for the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) object.

Use the `FINS_MIG_CTRL_1` transaction (*Define Settings for Legacy Data Transfer*) to maintain these settings:

- Set the *Migration Key Date* for each required company code
- Set the *Legacy Data Transfer Status*:
 - *In Preparation*: migration key date is still unclear (Migration of transactional data is not possible)
 - *Ongoing*: required for the initial data transfer (Migration of transactional data is possible)
 - *Completed*: after successful finish of the initial data transfer (Migration of transactional data is not possible)

The following objects must have already been maintained or migrated:

- [G/L account \[page 116\]](#)
- [Supplier \[page 239\]](#)
- [Cost center \[page 136\]](#)
Note that posting on tax jurisdiction will be automatically derived by cost center. Therefore, the tax jurisdiction code must be already maintained for cost center master.
- [Profit center \[page 191\]](#)
Note that posting on tax jurisdiction will be automatically derived by profit center. Therefore, the tax jurisdiction code must be already maintained for profit center master.
- [Exchange rate \[page 98\]](#)

Dependencies

Recommended approach for the initial migration of financial data:

Please bear in mind that no documents will be migrated. Only balances and open items will be taken over.

Clear as many of the open items payable, receivables, taxes and outgoing checks as possible from the accounts in the source system. By reducing these open items, you will reduce the amount of variables resulting in a lower possibility of error as well as reducing the amount of reconciliation needed to verify the data migration.

From the bank account, only the balance needs to be migrated.

From the tax accounts, no items and no balances would normally need to be migrated because they are usually at balance zero (for normal VATs) when the migration takes place. We assume that the tax transfer has already been done and, therefore, that no tax has to be migrated. Exception: Deferred taxes can be migrated with the migration activities for open items payable and open items receivable.

Mapping Instructions


- Enter only one line per document post into the migration file. The offsetting entry will be generated automatically for the offsetting G/L account.
- The combination of key fields *Company Code* + *Reference Document Number* + *Line Item Number* + *Vendor Number* are used for duplicate check. Data records with this combination should be unique in the migration template. Otherwise, the migration tool will display a duplicate error message. The *Line Item Number* will just be used as an additional key field and will not be migrated.
- Please be careful to fill and save value amounts in the migration file in number and not in string format. Check the settings for a delimiter.

For migration, the posting keys are always derived based on the account type and on the special GL indicator that is submitted in the line item. Additionally, the posting keys are controlled by the sign in the amount fields. The sign for negative values should be set at the beginning:

- A **negative** value will use posting key 31 (Invoice) for vendor and 40 (Debit entry) for Offsetting G/L Account (only without special GL indicator).
- A **positive** value will use posting key 21 (Credit memo) for vendor and 50 (Credit entry) for Offsetting G/L Account (only without special GL indicator).

i Note

During migration of credit memo line item, the *Invoice Reference* field will be automatically set by the BAPI to 'V'. This is hard coded and can not be changed.

- The initial offsetting (transfer booking) accounts to be used in the open items and open balances migration objects are described in the [BH5 test script](#) 
 - 39914000 (Initial FI-AR offset)
 - 39915000 (Initial FI-AP offset)
 - 39916000 (Initial other GL offset)
 - 39917000 (Initial other Open Item GL offset)

Deferred Tax

For posting of an invoice with deferred taxes, it is necessary to provide a tax account, tax code, tax amount and a tax base amount via the migration template.

The sign of the tax amounts and tax base amounts must be opposite to the amounts of the vendor item.

If there is at least one deferred tax code in an invoice then full tax information including non-deferred taxes should be provided in the migration template. This is necessary for a correct proportion calculation.

Two approaches for currency and amount

Provide all relevant currencies and related amounts via the template. In doing this, the provided values will be adopted from the template regardless of the existing exchange rates in the system.

In the template, keep the *second local/group currency* field and the related amount empty. In this case, the amount will be automatically calculated by valid exchange rates in the system.

The exchange rate will be determined using the provided document or posting date. Which date will be used is defined in the customizing for each company code (in SPRO via "Change Foreign Currency Translation").

Payment Term / Payment block

If a default payment block is assigned to a payment term, then the open item will be blocked accordingly. This also happens if the value for payment block is not provided via the template. Use a payment term without a default payment block to avoid an automatic payment block for the migrated open item.

Alternative Reconciliation Account

In order to use this field, the following IMG activity must be predefined: [Financial Accounting](#) > [Accounts Receivable and Accounts Payable](#) > [Business Transactions](#) > [Posting with Alternative Reconciliation Account](#) > [Define Alternative Reconciliation Accounts](#).

Mapping Structure Hierarchy

Level	Name
1	Header + Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

Follow-On Activities

The total balance of all migration clearing accounts, which are used for the offsetting postings, must be zero.

To ensure this, the offsetting amounts for the migration clearing accounts must be balanced with the initial G/L offsetting account for data migration. This can be done with the [FI - G/L account balance and open/line item \[page 117\]](#) migration object.

How to Validate your Data in the System

Transaction FB01	Post Document
Transaction FB02	Change Document
Transaction FB03	Display Document

i Note

For Deferred Tax:

- Check entries in the [DEFTAX_ITEM](#) table
- Program [RFUMSV50](#) for deferred tax transfer

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.63 FI - Accounts receivable open item

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Financial Accounting (FI)
Business Object Type	Transactional data
Business Object Definition	Open items are items that are not yet to be cleared. This document describes how to load the Accounts Receivable open items also known as Customer open items.

In Scope

Migration to SAP S/4HANA is supported.

1. Restricted migration of deferred taxes: only invoice, debit memo, and credit memo are supported.

Out of Scope

1. Multiple customer line items per document post.
2. External accounting document number.
3. Open tax items (must be settled before data migration. Exception: Deferred tax).
4. Calculate tax automatically
5. Migration of down payment with deferred tax code, composite deferred tax code, for example, VAT + Sales, reverse charge, etc.
6. The mass migration of Accounts Payable open items with special G/L indicator referring to special G/L type 'W' is generally not supported. Nor is special G/L indicator leading to noted item. These data must be posted manually in financial accounting. All other special GL indicators are supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header
- G/L Account Item
- Customer Item
- One-Time Account Data
- Tax Item
- Withholding Tax Item
- Currency Item

Prerequisites

Before starting with the initial data transfer, you must define an overall migration key date for each company code. This migration key date will be used for all migration objects which are posting into financial accounting, except for the [Fixed asset \(incl. balances and transactions\) \[page 99\]](#) object.

Use the `FINS_MIG_CTRL_1` transaction ([Define Settings for Legacy Data Transfer](#)) to maintain these settings:

- Set the *Migration Key Date* for each required company code
- Set the *Legacy Data Transfer Status*:
 - *In Preparation*: migration key date is still unclear (Migration of transactional data is not possible)
 - *Ongoing*: required for the initial data transfer (Migration of transactional data is possible)
 - *Completed*: after successful finish of the initial data transfer (Migration of transactional data is not possible)

The following objects must have already been maintained or migrated:

- [G/L account \[page 116\]](#)
- [Customer \[page 76\]](#)
- [Cost center \[page 136\]](#)

Posting on tax jurisdiction will be automatically derived by cost center. Therefore, the tax jurisdiction code must be already maintained for cost center master.
- [Profit center \[page 191\]](#)

Posting on tax jurisdiction will be automatically derived by profit center. Therefore, the tax jurisdiction code must be already maintained for profit center master.
- [Exchange rate \[page 98\]](#)

Dependencies

Recommended approach for the initial migration of financial data:

Please in keep in mind that no documents will be migrated. Only balances and open items will be taken over.

Clear as many of the open items payable, receivables, taxes and outgoing checks as possible from the accounts in the source system. By reducing these open items, you will reduce the amount of variables resulting in a lower possibility of error as well as reducing the amount of reconciliation needed to verify the data migration.

From the bank account only the balance needs to be migrated.

From the tax accounts, no items and no balances would normally need to be migrated because they are usually at balance zero (for normal VATs) when the migration takes place. We assume that the tax transfer has already been done and, therefore, that no tax has to be migrated. Exception: Deferred taxes can be migrated with the migration activities for open items payable and open items receivable.

Mapping Instructions

- Enter only one line per document post into the migration file. The offsetting entry will be generated automatically for the offsetting G/L account.
- The combination of key fields *Company Code* + *Reference Document Number* + *Line Item Number* + *Vendor Number* are used for duplicate check. Data records with this combination should be unique in the migration template. Otherwise, the migration tool will display a duplicate error message. The *Line Item Number* will just be using as additional key field and will not be migrated.
- Please be careful to fill and save value amounts in the migration file in number and not in string format. Check the settings for a delimiter.

For migration, the posting keys are always derived based on the account type and on the special GL indicator that is submitted in the line item. Additionally, the posting keys are controlled by the sign in the amount fields. The sign for negative values should be set at the beginning:

 - A **negative** value uses posting key 11 (Credit memo) for customer and 40 (Debit entry) for Offsetting G/L Account (only without special GL indicator).
 - A **positive** value uses posting key 01 (Invoice) for customer and 50 Credit entry) for Offsetting G/L Account (only without the special G/L indicator).

i Note

During migration of a credit memo line item, the *Invoice Reference* field is set to 'V' automatically by the BAPI. This is hard-coded and cannot be changed.

- The initial offsetting (transfer booking) accounts to be used in the open items and open balances migration objects are described in the [BH5 test script](#):
 - 39914000 (Initial FI-AR offset)
 - 39915000 (Initial FI-AP offset)
 - 39916000 (Initial other GL offset)
 - 39917000 (Initial other Open Item GL offset)

Deferred Tax

For posting of an invoice with deferred taxes it is necessary to provide a tax account, tax code, tax amount and a tax base amount via the migration template.

The sign of the tax amounts and tax base amounts must be opposite to the amounts of the vendor item.

If there is at least one deferred tax code in an invoice, then full tax information including non-deferred taxes should be provided in the migration template. This is necessary for a correct proportion calculation.

Two approaches for currency and amount

Provide all relevant currencies and related amounts via the template. In doing this, the provided values will be adopted from the template regardless of existing exchange rates in the system.

In the template, keep the *second local/group currency* field and the related amount empty. In this case, the amount will be automatically calculated by valid exchange rates in system.

The exchange rate will be determined using the provided document or posting date. Which date will be used is defined in the customizing for each company code (in SPRO via "Change Foreign Currency Translation").

Payment Term / Payment block

If a default payment block is assigned to a payment term, then the open item will be blocked accordingly. This also happens if the value for payment block is not provided via the template. Use a payment term without a default payment block to avoid an automatic payment block for the migrated open item.

Alternative Reconciliation Account

In order to use this field, the following IMG activity must be predefined: [Financial Accounting](#) > [Accounts Receivable and Accounts Payable](#) > [Business Transactions](#) > [Posting with Alternative Reconciliation Account](#) > [Define Alternative Reconciliation Accounts](#).

Mapping Structure Hierarchy

Level	Name
1	Header + Item (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

Follow-On Activities

The total balance of all migration clearing accounts, which are used for the offsetting postings, must be zero.

To ensure this, the offsetting amounts for the migration clearing accounts must be balanced with the initial G/L offsetting account for data migration. This can be done with the [FI - G/L account balance and open/line item \[page 117\]](#) migration object.

How to Validate your Data in the System

Transaction FB01	<i>Post Document</i>
Transaction FB02	<i>Change Document</i>
Transaction FB03	<i>Display Document</i>

i Note

For Deferred Tax:

- Check entries in table *DEFTAX_ITEM*
- Program *RFUMSV50* for deferred tax transfer

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.64 Profit center

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Profit center (FI)
Business Object Type	Master data
Business Object Definition	An organizational unit in accounting that reflects a management-oriented structure of the organization for the purpose of internal control.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Indicator
- Address Data
- Communication
- Company Codes

Prerequisites

The following objects must have already been maintained or migrated:

- Groups for *Profit center*

These fields are mandatory fields:

- Profit Center
- Controlling Area
- Valid from Date
- Valid to Date
- Profit Center Text
- Person Responsible
- Profit Center Group

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Profit center master data (mandatory)
2	Company code assignment

Language in Which Text is Saved

The *LANGU* field shows the language in which text is saved. The *Profit Center* name and description will be saved according to the entry in the *LANGU* field. If the field is not completed, the text will be saved in the user logon language as the default language. A profit center with a description in a different language is not supported.

Tax Jurisdiction Code Determination via Vertex

If Vertex is activated (especially on US installations) the tax jurisdiction code will be determined by the address.

If Vertex determines more than one tax jurisdiction code for a record, the migration of this record will fail. If this happens, you have to provide a more detailed/accurate address, for example, US Postal codes with 9 digits instead of 5 digits.

The more detailed and accurate an address, the better the tax jurisdiction code will be determined by Vertex. For some addresses, Vertex will always provide more than one tax jurisdiction code. In this case, you will have to maintain this record manually or provide a correct tax jurisdiction code within the template.

If there is a field available in the migration object template to provide the correct tax jurisdiction within the record, then fill this field with the correct code and start the transfer again with this new file.

Hierarchy area

Profit center groups entered in the *KHINR- Profit center group* field must be assigned to the standard hierarchy. If this is not the case you will get the error message `Profit Center Group cannot be used`.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction KE53

Display Profit Center

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.65 *Product consumption*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

! Restriction

You can migrate several org. levels for a specific material with one migration template of a specific project. If you have already migrated material consumptions (org. level view) and you want to extend those materials by additional consumptions for a different plant, please create a new project and use a new template.

Purpose

Business Object Component/Area	Material Master (LO-MD)
Business Object Type	Master data
Business Object Definition	A quantity usually updated by the system when a material is withdrawn from the warehouse or stores, indicating how much of the material has been used or consumed over a particular past period.

In Scope

Migration to SAP S/4HANA is supported.

1. Migration of Total consumptions
2. Migration of Unplanned consumptions

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Material
- Total Consumptions
- Unplanned Consumptions

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03

Display Material

Consumption values can also be accessed via **Go To Additional Data** > **Consumption**.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.66 *Production version*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Production Planning and Control (PP)
Business Object Type	Master data
Business Object Definition	<p>Key determining the various production techniques according to which a material is to be manufactured. You specify, for example, the following in the production version:</p> <ul style="list-style-type: none">• The BOM alternative for the BOM explosion• The task list type, the task list group, and the group counter for assignment to routings• Lot-size restrictions for repetitive manufacturing

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#) (with ERP data)
- [Material BOM \[page 33\]](#)
- [Routing \[page 212\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)

Task List Group

As the internal group number may be created from the object routing, in this condition, the system will map the related internal number automatically if the external number has been provided in the template. However, make sure the two objects routing and production version need to be used in the same project.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction MM03	Display Material
Transaction C223	Maintain Production Versions

In MM03, choose [MRP 4 View](#) [ProdVersions](#).

Further Information

In *Discrete Manufacturing*, it was not necessary to have a production version for *BOM explosion* in the SAP ERP suite. In this case use the `CS_BOM_PORDVER_MIGRATION02` report to create a production version based on existing BOMs and routings in the new system.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.67 PS - Network

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	PS
Business Object Type	Transactional data
Business Object Definition	A network can represent the sequence of activities in a project or the sequence of a single activity within a project. It is used as a basis for planning, analyzing, controlling and monitoring schedules, dates, and resources.(such as personnel, machines, PRTs, materials, documents, and drawings).

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Scheduling
- Assignments
- Control
- Text

Prerequisites

The following objects must have already been maintained or migrated:

- [Profit center \[page 191\]](#)
- [PS - WBS element \[page 243\]](#)
- [Sales order \(only open SO\) \[page 216\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Network data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CN23 [Display Network](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.68 PS - Project

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	PS
Business Object Type	Transactional data

Project definition is the general description of the project that you want to manage. It is a framework laid down for all the objects created within a project. It contains organizational data that is binding for the entire project.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Control
- Text

Prerequisites

The following objects must have already been maintained or migrated:

- [Profit center \[page 191\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Project Definition (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.

There, choose your SAP S/4HANA release from the *Version* field.

Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CJ08

Display Project Definition

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.69 *Purchasing info record- extend existing record*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Purchasing (MM-PUR)
Business Object Type	Master data
Business Object Definition	A source of information for the procurement of a certain material from a certain supplier.

In Scope

Migration to SAP S/4HANA is supported.

1. Extend already existing purchasing info records with new purchasing organization or new purchasing info record category. The following purchasing info categories are supported:
 - Standard
 - Consignment
 - Subcontracting
 - For purchasing info records to material groups, only the Standard and Consignment purchasing info categories are supported.
2. General Data (only Legacy Number of purchasing info record, Material Number, Material Group and Supplier's account number)

3. Purchasing Organization Data; when you create an Info Record you can choose the following options:
 - Purchasing info record which is only related to a purchasing organization. That means the price is the same for all plants.
 - Purchasing info record which is related to a plant. That means the price can be different for each plant.
4. Conditions; the condition type indicates, for example, whether during pricing, the system applies a price, a discount, a surcharge, or other pricing elements, such as freight costs and sales taxes. For each of these pricing elements, there's a condition type defined in the system.
5. Scales
6. Purchasing Organization Text

Out of Scope

1. Change already existing data.
2. Create Info Record is not supported; if an info record with a certain supplier and with a specific material or material group doesn't exist, it's not possible to create this record. Please use the following object: Purchasing info record with conditions.
3. The Pipeline purchasing info category is not supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- Purchasing Organization Data
- Conditions
- Scales
- Purchasing Organization Text

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)
- [Purchasing info record with conditions \[page 203\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	Purchasing Organization Data
3	Conditions
4	Scales
3	Purchasing Organization Text

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME13	<i>Display Purchase Order Info Record</i>
Transaction ME1L	<i>Info Records per Supplier</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.70 *Purchasing info record with conditions*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Purchasing (MM-PUR)
Business Object Type	Master data
Business Object Definition	A source of information for the procurement of a certain material from a certain vendor.

In Scope

Migration to SAP S/4HANA is supported.

1. General Data; only to create info record with material specific or material group
The following Info Categories are supported:
 - Standard
 - Consignment
 - Subcontracting
2. General Text
3. Purchasing Organization Data; when you create an Info Record you can choose the following options:
 - Purchasing info record which is only related to a purchasing organization. That means the price is the same for all plants.
 - Purchasing info record which is related to a plant. That means the price can be different for each plant.
4. Conditions; the condition type indicates, for example, whether during pricing, the system applies a price, a discount, a surcharge, or other pricing elements, such as freight costs and sales taxes. For each of these pricing elements, there is a condition type defined in the system.
5. Scales
6. Purchasing Organization Text

Out of Scope

1. Update Info Record is not supported; if an info record with a certain vendor and with a specific material exists or with a material group, it is not possible to enhance this record with purchasing organization data.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- General Text
- Purchasing Organization Data

- Conditions
- Scales
- Purchasing Organization Text

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	General Text
2	Purchasing Organization Data
3	Conditions
4	Scales
3	Purchasing Organization Text

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME13	<i>Display Purchase Order Info Record</i>
Transaction ME1L	<i>Info Records per Supplier</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.71 Purchase order (only open PO)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Purchase Order (MM-PUR)
Business Object Type	Transactional data
Business Object Definition	A request or instruction from a purchasing organization to a vendor (external supplier) or a plant to deliver a quantity of material or to perform services at a certain point in time.

i Note

You can only migrate open purchase orders, that is, items which haven't been delivered and invoiced yet.

In Scope

Migration to SAP S/4HANA is supported.

1. Header Data
2. Header Address
3. Header Texts
4. Item Data; the following Item Categories are supported:
 - Standard
 - Third-Party
 - Enhanced Limits
 - Consignment

- Subcontracting
- 5. Item Addresses
- 6. Item Account Assignments; the following Account Assignment categories are supported:
 - Cost Center
 - Asset
 - Sales Order
 - Project
 - Unknown
- 7. Item Schedule Lines
- 8. Purchase Order Item Components for Subcontracting

i Note

If your ordered material is not a BOM, provide the relevant entries on the [Schedule Line](#) sheet and the materials to be provided on the [Components for Subcontracting](#) sheet.

i Note

If your ordered material is a BOM, the system will automatically generate the subcontracting components. You can also provide the components manually on the [Components for subcontracting](#) sheet.

- 9. Item Texts

Out of Scope

1. Create configurations (you can only use existing ones)
2. Change message records (NAST table) and additional message data (this data can only be determined via the message determination facility (Customizing))
3. Attach documents to the purchase order
4. Other item categories not mentioned above are not supported, for example, Transport Orders
5. Purchase Orders for Sales Orders and Nonstock sales [Item 1]

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Header Data
- Header Address
- Header Texts
- Item Data
- Item Addresses
- Item Account Assignments
- Item Schedule Lines

- Purchase Order Item Components for Subcontracting
- Item Texts

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)
- [Cost center \[page 136\]](#)
- [Sales order \(only open SO\) \[page 216\]](#)
- [Purchase contract \[page 63\]](#)
- *WBS element*
- [Fixed asset \(incl. balances and transactions\) \[page 99\]](#)
- [G/L account \[page 116\]](#) (expense account used in account assignment category)
- [Material BOM \[page 33\]](#)
- [Purchasing info record with conditions \[page 203\]](#) (only relevant for purchase order items with item category *Consignment*)

Mapping Instructions

- During migration you can choose between internal and external number assignment for the purchasing document. Item numbers will be migrated 1:1 from the data in the migration template.
- Consider: During migration there is no defaulting of values from existing purchasing info records. Exceptional case: purchase order items with item category *Consignment*.
- *Net Price*: Please provide the price as manual price on item level. Migration of conditions for example - discounts or surcharges - is not supported!
- The net price will be automatically set to 0, if the invoice receipt indicator hasn't been set.
- In case of *Third-Party*, please note the following: When you provide a customer number, the delivery address is taken from the customer master data record. If you do not provide a customer number, you must enter a delivery address.
- The *Legacy Purchasing Document Number* is mapped to the *Our Reference* field. You can find the content of this field using the *Display Purchase Order* app under *Communication*.

Mapping Structure Hierarchy

Level	Name
1	Header Data (mandatory)
2	Header Address
2	Header Texts
2	Item Data (mandatory)

Level	Name
3	Item Address
3	Account Assignment
3	Schedule Line
4	Components for Sub-contracting
3	Item Texts

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME23N	<i>Display Purchasing Document</i>
Transaction ME2L	<i>Purchasing Document by Vendor</i>
Transaction ME2K	<i>Purchasing Document by Account Assignment (General)</i>
Transaction ME2O	<i>Subcontracting Stocks per Vendor (Subcontracting Stock Monitor for Vendor)</i>

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.72 QM/PM - Catalog code group/code

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM and PM)
Business Object Type	Master data
Business Object Definition	<p>Code group: A key for summarizing code and structuring a catalog according to various criteria. The assignment of code to code groups takes place at client level.</p> <p>Catalog type: Main category by which code groups and codes are classified according to their contents.</p> <ul style="list-style-type: none">• 0: Action Reasons• 1: Characteristic attributes• 2: Tasks• 5: Causes• 8: Activities (QM)• 9: Defect types• A: Activities (PM)• B: Object Parts• C: Overview of damage• D: Coding• E: Defect Locations <p>Code: A key that uniquely identifies the qualitative contents of a problem in a coded form that can be mechanically processed.</p> <p>Each code is assigned to a code group in the catalog. A code can describe:</p> <ul style="list-style-type: none">• a characteristic attribute• a defect type• a usage decision

In Scope

Migration to SAP S/4HANA is supported.

1. Supported catalog types for QM are: 1, 2, 5, 8, 9, D, E
2. Supported catalog types for PM are: 0, 2, 5, A, B, C, D

Out of Scope

1. Classification is not supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- QM/PM Catalog Code Group
- QM/PM Catalog Short Text for Code Group
- QM/PM Catalog Long Text for Code Group
- QM/PM Catalog Code
- QM/PM Catalog Short Text for Code
- QM/PM Catalog Long Text for Code

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	QM/PM catalog code group (mandatory)
2	QM/PM catalog code group text (mandatory)
2	QM/PM catalog code group long text
2	QM/PM catalog code (mandatory)
3	QM/PM catalog code short text (mandatory)
3	QM/PM catalog code long text

Detailed Mapping Instructions

Text line in Code group and Code long texts: For each Code group and Code, there may be several languages here, but for each language, there is only one text line in the source file.

The object will separate the text line into several lines automatically into the long texts for each language.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QS41

[Maintain catalog](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.73 Routing

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Production Planning and Control (PP)
Business Object Type	Master data
Business Object Definition	Production Planning - Routing A description of the production process used to manufacture plant materials or provide services in the manufacturing industry.

In Scope

Migration to SAP S/4HANA is supported.

Only task list of type *N* (Routing) is supported with this object.

→ Tip

- For task list of type *Q* (Inspection Plan), use the [QM - Inspection plan \[page 127\]](#) migration object.
- For task list of type *A* (General Maintenance task list), use the [PM - General maintenance task list \[page 111\]](#) migration object.
- For task list of type *E* (Equipment Task List), use the [PM - Equipment task list \[page 94\]](#) migration object.
- For task list of type *T* (Task List for Functional Location), use the [PM - Functional location task list \[page 105\]](#) migration object.

Out of Scope

Task list types other than those mentioned above aren't supported by the data migration content.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Task List Header Data
- Material Task List Assignment
- Sequences
- Operations
- Sub-Operations
- Component Assignment
- Production Resources/Tools
- Inspection Characteristics

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Material BOM \[page 33\]](#)
- [Work center/Resource \[page 245\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

- For routing migration, for example, the validity period of costing view in work center must be within the routing validity period, otherwise this will lead to an issue with the cost simulation run.
- For routing as an example, if the valid-from date on operational level starts earlier than the validity start date of costing view in work center, this will lead to an issue with missing activity types in routing and no cost being calculated in the cost simulation run.

Mapping Instructions

- Internal/External number range assignment for *Group*.
 - The *Group* and *Group Counter* must be provided in the source file to distinguish different routings. For the scenario of one *Group* with several *Group Counters*, they must be grouped logically in the source file.
 - For external number range assignment, you must provide the number in accordance with the definition required by the target system.
 - With the *Routing, internal or external numbering* control parameter in the *Converted Values* step of the guided activity, you have to decide if it's internal or external during each data load.

Note

The system doesn't support combining internal and external number ranges in one source file.

- The *Valid-From Date* will be the current date if no value is provided in the source file.
- The *Valid-From Date* for *BOM* must be earlier than the *Valid-From Date* of the *Routing*. Otherwise, the BOM can't be expanded and it will return an error.
- The *Numerator* will be set to *1* if no value is provided in the source file.
- The *Denominator* will be set to *1* if no value is provided in the source file.
- The *BOM Usage* and *BOM Application* are only mandatory for component allocation.
 - The *BOM Usage* controls the selection of the relevant BOM in the component assignment.
 - The *BOM Application*, in connection with the *BOM Usage*, controls the selection of the correct alternative BOMs.
- *BOM Item Category*, *BOM Component*, and *BOM Component Description* are just provided in the template to help you allocate the component; this data may be copied from the *BOM Data Migration* file or from the target system.
- The *Indicator for Relevancy to Costing on Operation Level* field is mandatory; with the following options:
 - If you want the *Costing Relevancy* to be copied from the *Control Key* on the target system, enter the value **D**.
 - If you want the operation to be irrelevant to costing, enter the value **N**.
 - If you want to enter a value for this field, then the field should be populated with either **X**, or another option, as required.

Long Text

If you create a long text in the dialog, then the current logon language will be taken as the long text language.

Any subsequent change of the long text refers to the same long text independent of the logon language.

Mapping Structure Hierarchy

Level	Name
1	Routing group (mandatory)
2	Task list header (mandatory)
2	Material task list assignment (mandatory)
2	Task list sequences
2	Operations (mandatory)
3	Production resources/tools
3	Sub-operations
3	Component assignment
3	Inspection Characteristics

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

Follow-On Activities

It's mandatory to migrate all routing in the *Q* system first and run a cost simulation run in your *Q* system. Then, verify the results and check for inconsistencies before starting the data migration into the productive system.

After data migration into the productive system, It's mandatory to run the cost simulation and validation steps in that system as well.

How to Validate your Data in the System

Transaction CA03

[Display Routing](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.74 Sales order (only open SO)

Available Migration Objects [page 3] in SAP S/4HANA.

Purpose

Business Object Component/Area	Sales and Distribution (SD)
Business Object Type	Transactional data
Business Object Definition	Sales Order (SD): A customer request to the company for delivery of goods or services at a certain time. The request is received by a sales area that is then responsible for fulfilling the contract.

In Scope

Migration to SAP S/4HANA is supported.

1. Sales order header data
2. Sales order item data
3. Sales order partners data
4. Sales order schedule line data
5. Sales order texts on header and item level
6. Sales order conditions on header and item level

Out of Scope

1. Sales orders with configurable items
2. Credit card data
3. Return sales orders

Supported Features

The following structures/features are supported in SAP S/4HANA:

All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Customer \[page 76\]](#)
- Condition records/Sales Pricing

Mapping Instructions

- The *Sold-to Party* and *Ship-to Party* on *Header* level must be provided in the *Partner* sheet using **0000** in the *Sales Document Item* field.
- The total number of ordered items will be calculated based on the items in the schedule line data.
- During migration, you can choose between internal and external number assignment for the sales document number and item numbers.

Mapping Structure Hierarchy

Level	Name
1	Header (mandatory)
2	Header Conditions (optional)
2	Header Texts (optional)
2	Item (mandatory)
3	Item Conditions (optional)
3	Item Texts (optional)
2	Partner (mandatory)
2	Schedule Line Data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction VA03

Display Sales Orders

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.75 *Purchase scheduling agreement*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Purchasing (MM-PUR)
Business Object Type	Transactional data
Business Object Definition	An outline agreement whereby materials are procured at a series of predefined points in time over a certain period.

In Scope

Migration to SAP S/4HANA is supported.

1. Scheduling agreement header
2. Scheduling agreement items

Out of Scope

1. Scheduling agreements with document conditions (only time-dependent conditions are supported)
2. Creation of delivery schedule

Supported Features

The following structures/features are supported in SAP S/4HANA:

All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Supplier \[page 239\]](#)
- [Material \[page 163\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	SAG Header Data (mandatory)
2	SAG Item Data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME38

Maintain Sched. Agreement Schedule

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.76 *Condition record for pricing in sales*

Available Migration Objects [page 3] in SAP S/4HANA.

! Restriction

This migration object may only be used for migration in the context of SAP Best Practices.

Purpose

Business Object Component/Area	Condition record for pricing in sales. During pricing, the system automatically transfers pricing data from the price conditions, for example, in Sales and Distribution. Prices, surcharges and discounts are determined in sales and billing documents.
Business Object Type	Master data
Business Object Definition	The term pricing is used broadly to describe the calculation of prices (for external use by customers or vendors). Conditions represent a set of circumstances that apply when a price is calculated.

In Scope

Migration to SAP S/4HANA is supported.

The following price conditions are supported:

1. Prices
2. Discounts
3. Surcharges (including scales)

Out of Scope

1. Purchasing conditions (see migration object [Condition record for pricing in purchasing \[page 174\]](#))

Supported Features

The following structures/features are supported in SAP S/4HANA:

- This object is strictly restricted to the key field combinations mentioned in SAP Note [2332748](#).
- For other key combinations you must use the [Condition record for pricing \(general template\)](#) [page 56] migration object.

Prerequisites

The following objects must have already been maintained or migrated:

- [Material](#) [page 163]
- [Customer](#) [page 76]

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Sales condition records (mandatory)
2	Scales

For more information on how to fill the condition keys, please refer to SAP Note [2332748](#).

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction VK13

Display Condition

Examples

Example of a Quantity-Based Scale:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	EA	100,00000	EUR
100,000	EA	90,00000	EUR

Example of a Scale Based on Gross Weight:

Scale quantity	Scale unit of measure	Scale rate	Scale currency
1,000	KG	100,00000	EUR
100,000	KG	90,00000	EUR

Example of a Value Scale:

Scale value	Scale currency	Scale percentage
100,000000	EUR	5,000000
1000,000000	EUR	10,000000

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.77 *Sales contract*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Sales and Distribution (SD)
Business Object Type	Transactional data
Business Object Definition	An outline sales agreement that contains special conditions negotiated between the vendor and a customer, for example, price, target value or target quantity. A sales contract is valid for a specified period. A customer submits a sales order to release products from the amount agreed in the contract. Types of sales contract include value contracts and quantity contracts.

In Scope

Migration to SAP S/4HANA is supported.

1. Sales contract header
2. Sales contract item
3. Sales contract partner

Out of Scope

1. Sales contract with configurable products
2. SD scheduling agreements are not supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Material \[page 163\]](#)
- [Customer \[page 76\]](#)
- [Condition record for pricing \(general template\) \[page 56\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Header Data (mandatory)
2	Additional Header Partners
2	Item (mandatory)
3	Item Partners

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction VA43

[Display Contract](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.78 QM - Selected set

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM)
Business Object Type	Master data
Business Object Definition	Selected Set/Select Set Code Quality Management (QM) A range of specific entries (code groups and codes) of a catalog. A selected set enables you to choose only those code groups and codes of a catalog that are required, or allowed, for a specific purpose.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Inspection Catalog Selected Set
- Long Txt Lines for Insp. Method/Master Insp. Char

Prerequisites

The following objects must have already been maintained or migrated:

- [QM/PM - Catalog code group/code \[page 209\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	QM selected set master data (mandatory)

Detailed Mapping Instructions

Text line in Selected set long texts: For each Selected set, there may be several languages here, but for each language, there is only one text line in the source file. The object will separate the text line into several lines automatically into the long texts for each language.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QS51

[Edit Selected Sets](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.79 QM - Selected set code

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Quality Management (QM)
Business Object Type	Master data
Business Object Definition	<p>Selected Set/ Selected Set Code</p> <p>Quality Management (QM): A range of specific entries (code groups and code) of a catalog. A selected set enables the user to choose only those code groups and code of a catalog that are required or allowed for a specific purpose.</p>

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Inspection Catalog Code for Selected Set

Prerequisites

The following objects must have already been maintained or migrated:

- [QM/PM - Catalog code group/code \[page 209\]](#)
- [QM - Selected set \[page 224\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	QM selected set code master data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction QS51	Edit Selected Sets
Transaction QS52	Display selected set index

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.80 *Source list*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Source List (MM-PUR)
Business Object Type	Transactional data

Business Object Definition

A list of available sources of supply for a material, indicating the periods during which procurement from such sources is possible.

The source list lets you determine the source that is valid (effective) at a certain time.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Purchasing Source List

Prerequisites

The following objects must already have been maintained or migrated:

- [Material \[page 163\]](#)
- [Supplier \[page 239\]](#)
- Agreements
 - There are two types of outline purchase agreement:
 - [Purchase contract \[page 63\]](#)
 - [Purchase scheduling agreement \[page 218\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period starting before this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore must check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Purchasing Source List (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction ME03

[Display Source List](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.81 PSS - Substance

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Sustainability Foundation (EHS-SUS-FND)
Business Object Type	Master data
Business Object Definition	A substance as a chemical element or a chemical compound with parts that can only be separated from each other by chemical reaction, that is used in a company

In Scope

Migration to SAP S/4HANA is supported.

Out of Scope

1. Substance groups
2. Attachments

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Company Specific Names
- Conditions

Prerequisites

Listed substance must exist ([Manage Listed Substance](#) app) and responsible unit must be configured (Customizing).

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	General data (mandatory)
2	Company specific names
2	Conditions

Preparation of Migration Details for Company Substance

Process the migration in two options:

1. Migrate a substance linked to an existing listed substance using the following data from the migration template:
 - Internal Number
 - Internal Name

- Listed Substance
- Responsible Unit

2. .

Migrate a substance linked to an new listed substance using the following data from the migration template:

- Internal Number
- Internal Name
- Listed Substance Name
- CAS Number
- EC Number
- Molecular Formula
- Responsible Unit

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.82 Software/Hardware constraint

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Product Lifecycle Management (PLM)
Business Object Type	Transactional data
Business Object Definition	Constraints maintained for a software material to define the compatibility relationships between this software material and other materials (such as a bill of materials). A software/hardware constraint includes a constraint rule, materials that have a compatibility relationship with the subject software material, and versions of the software material.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Software Material

Prerequisites

Business objects that must already be entered or migrated in the system:

- [Material \[page 163\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Software material (mandatory)
2	Constraint (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

App:	<i>Manage Software Constraints</i>
Business Role:	<i>Systems Engineer - Overhead</i> (SAP_BR_SYSTEMS_ENGINEER)

Find more information about SAP Fiori apps in the [SAP Fiori apps reference library](#). This information covers required business roles and includes links to the respective app documentation.

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.83 *Supplier - extend existing record by new org levels*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Logistics - General (LO-MD-BP, LO-MD-BP-VM)
Business Object Type	Master data
Business Object Definition	<p>A supplier is a business partner who supplies goods and delivers them to consumers/customers.</p> <p>The supplier is a frequently-used master data object, used by almost all business applications. In an SAP ERP system it is called a vendor.</p> <p>At SAP, there are different object models for the supplier:</p> <ul style="list-style-type: none">• In the traditional SAP ERP system, the vendor master data is used.• In all new strategic applications, such as SAP SRM and many industry solutions, the Business Partner approach is used.

In Scope

Migration to SAP S/4HANA is supported.

1. Extend already existing suppliers with new org levels and extend already existing customers/contract partners as supplier with the same number

2. General data (only fields which might become relevant when you extend a customer/contract partner as supplier)
3. BP Roles
4. Additional addresses
5. General texts
6. Company data
7. Withholding tax data
8. Company texts
9. Purchasing organization data
10. Purchasing partner functions
11. Purchasing texts
12. Bank data
13. Industries
14. Tax numbers
15. Identification numbers
16. Contact persons
17. Address data including telephone numbers, fax number, email and URL

Out of Scope

1. No updates of existing fields
2. Withholding tax data can only extend with related company data. It is not possible to extend withholding tax data for an already existing company code.
3. Purchasing partner functions can only extend with related purchasing organization data. It is not possible to extend purchasing partner functions for an already existing purchasing organization.
4. Time-dependency of addresses
5. Time-dependency of bank data

i Note

This migration object is based on the assumption that business partner and supplier are using the same partner ID. If you have customized your system in a different way, you must adjust the migration object. If you must adjust the migration cockpit, you can use the migration object modeler or ask for consulting support.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- BP Roles
- Additional Addresses
- General Texts

- Company Data
- Withholding Tax Data
- Company Texts
- Purchasing Organization Data
- Partner Functions
- Purchasing Texts
- Bank Details
- Industries
- Tax Numbers
- Identification Numbers
- Contact Persons

Prerequisites

The following objects must have already been maintained or migrated:

- [Supplier \[page 239\]](#)
- [Customer \[page 76\]](#): If you extend already existing customers as supplier with the same number.
- [Bank \[page 25\]](#)

Mapping Instructions

General Data

On the *General Data* sheet we only offer fields which might become relevant when you extend already existing customers as supplier with the same number. If you want to extend an existing customer as supplier with the same number, you have to fill out the customer number (reference number). You also have to fill the *BP Roles* sheets. If you want to extend an already existing supplier by new org levels, you have to leave the reference number empty.

Please consider: You can't transfer a value in one of the fields provided on the *General Data* sheet when the supplier already exists.

During the *use Supplier ID for integration with external systems* step in the *Convert Values* task, you can switch on the key mapping for the *Supplier ID* to be used for integration with external systems. In connection with this, you must also maintain the *Business System ID* of your source system (to be used for integration) using the *Convert Values* task to ensure that the key mapping is added to the central key mapping store of the SAP S/4HANA system. This is only relevant if you extend an existing customer or contract partner as supplier with the same number. If you extend an existing supplier with new org levels it is not necessary to switch on the key mapping for the *Supplier ID*.

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)

Level	Name
2	BP Roles
2	Additional Addresses
2	General Texts
2	Company Data
3	Withholding Tax Data
3	Company Texts
2	Purchasing Organization Data
3	Partner Functions
3	Purchasing Texts
2	Bank Details
2	Industries
2	Tax Numbers
2	Identification Numbers
2	Contact Persons
3	Cont. Intern. Address Versions

Contact Person ID

You must enter a *contact person ID* in the respective field in the *Contact person* sheet. This number is required for internal data processing. However, during processing, a new business partner will be created with an internal number. This business partner is automatically assigned to the supplier with the corresponding relationship.

Tax Jurisdiction Code Determination via Vertex

If *Vertex* is activated (especially on US installations) the tax jurisdiction code will be determined by the address.

If Vertex determines more than one tax jurisdiction code for a record, the migration of this record will fail. If this happens, you'll have to provide a more detailed/accurate address, for example, a US Postal code with 9 digits instead of 5 digits.

The more detailed and accurate an address, the better the tax jurisdiction code will be determined by Vertex.

For some addresses, Vertex will always provide more than one tax jurisdiction code. In this case you will have to maintain this record manually or provide a correct tax jurisdiction code within the template.

In the *Suppress Tax Jurisdiction Code Check* field on the *General Data* sheet, you can suppress the check and the automatic determination of the *Tax Jurisdiction Code* for each record.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

Maintain Business Partner

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.84 *Supplier - extend existing record by Thailand branch code*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	LO-MD-BP
Business Object Type	Master Data
Business Object Definition	A business partner may have many branches depending on the various locations from where they operate from. A branch code is a 4-digit or a 5-digit code assigned by the Revenue Department in Thailand to uniquely identify each branch of a business partner. In any case, the head office branch carries a branch code of 00000 or 0000.

In Scope

Migration to SAP S/4HANA is supported.

1. Branch codes with address information.

Out of Scope

1. More than one address.
2. International address versions.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- All structures/features are supported.

Prerequisites

The following objects must have already been maintained or migrated:

- [Supplier \[page 239\]](#)

Mapping Instructions

- The supplier master data needs to be migrated as a prerequisite with Thailand company code assigned.
- Only one branch code can be marked as default branch code. If only one branch code is assigned it will be marked as default automatically.
- If branch codes are already assigned to the customer additional branch codes can only be uploaded w/o default indicator.
- As standard method for communication (part of the address information) the following values are supported only: Fax, E-mail and Telephone.

Mapping Structure Hierarchy

Level	Name
1	Thailand branch code

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction BP

Maintain Business Partner

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.85 *Supplier*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

→ Tip

For this migration object, the *Custom Fields and Logic* app is available. If you enhance your business object with custom fields in the app, these custom fields will automatically be reflected in the XML template of the corresponding migration object. See SAP Note [2726010](#) for further details.

Every time you add, change or delete a custom field, the migration project must be updated and a new migration XML template must be downloaded and used. Thus, if custom fields are added or changed by an application expert during migration testing, this must be communicated to and coordinated with your data migration team. Also see the [Extensibility](#) section in the SAP S/4HANA Cloud documentation.

Purpose

Business Object Component/Area

Logistics - General (LO-MD-BP, LO-MD-BP-VM)

Business Object Type

Master data

Business Object Definition

A supplier is a business partner who supplies goods and delivers them to consumers/customers.

The supplier is a frequently-used master data object, used by almost all business applications. In an SAP ERP system it's called a vendor.

At SAP there are different object models for the supplier:

- In the traditional SAP ERP system the vendor master data is used.
 - In all new strategic applications, such as SAP SRM and many industry solutions, the Business Partner approach is used.
-

In Scope

Migration to SAP S/4HANA is supported.

1. General data with standard address data
2. BP roles
3. Additional addresses
4. General texts
5. Company data
6. Withholding tax data
7. Company texts
8. Purchasing organization data
9. Purchasing partner functions
10. Purchasing texts
11. Bank data
12. Industries
13. Tax numbers
14. Identification numbers
15. Contact persons
16. Address data including telephone numbers, fax number, email and URL

Out of Scope

1. Relationship to other business partners
2. Supplier and customer are two separate business partners with, as a consequence, two different numbers. With the [Supplier - extend existing record by new org levels \[page 233\]](#) data migration object, you're able to create a supplier with the same customer number. As a prerequisite, you have to create the customer first.
3. Time-dependency of addresses
4. Time-dependency of bank data

i Note

This migration object is based on the assumption that business partner and supplier are using the same partner ID. If you have customized your system in a different way, you must adjust the migration object. If you must adjust the migration cockpit, you can use the migration object modeler or ask for consulting support.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- General Data
- BP Roles
- Additional Addresses
- General Texts
- Company Data
- Withholding Tax Data
- Company Texts
- Purchasing Organization Data
- Partner Functions
- Purchasing Texts
- Bank Details
- Industries
- Tax Numbers
- Identification Numbers
- Contact Persons

Prerequisites

i Note

The *KTOKK* field must be in sync with your customizing of the *BU grouping*. Otherwise, the grouping will overwrite the account group.

The following objects must have already been maintained or migrated:

- [Bank \[page 25\]](#)

Mapping Instructions

- You have to maintain all business partner roles depending on your business transactions.

- You have to maintain all mandatory partner functions.
- It's possible to assign more than one address to a supplier. The address data from the *General Data* sheet is always the standard address. If you assign only one address to a supplier, it's not necessary to provide an external address number. If you provide additional addresses, however, the external address number becomes mandatory. The external address number must be unique for each supplier. You can use the same external address number for different business partners.
- During the *vendor internal or external numbering* step of the *Convert Values* task, you can choose between internal and external number assignment for suppliers.
- With the *BP Grouping* field on the *General Data* sheet, you arrange the different number ranges (internal or external) and the vendor account group. It's possible to create a supplier and a one-time supplier.
- If you need to create a business partner with both customer and supplier roles, you can enter this manually or extend an already migrated customer with the *Supplier - extend existing record by new org levels* [page 233] migration object.
- During the *use Supplier ID for integration with external systems* step of the *Convert Values* task, you can switch on the key mapping for the *Supplier ID* to be used for integration with external systems. In connection with this, you must also maintain the *Business System ID* of your source system (to be used for integration) using the *Convert Values* task to ensure that the key mapping is added to the central key mapping store of the SAP S/4HANA system.

Mapping Structure Hierarchy

Level	Name
1	General Data (mandatory)
2	BP Roles (mandatory for OP)
2	Additional Addresses
2	General Texts
2	Company Data
3	Withholding Tax Data
3	Company Texts
2	Purchasing Organization Data
3	Partner Functions
3	Purchasing Texts
2	Bank Details
2	Industries
2	Tax Numbers
2	Identification Numbers
2	Contact Persons

Contact Person ID

You must enter a *contact person ID* in the respective field in the *Contact person* sheet. This number is required for internal data processing. However, during processing, a new business partner will be created with an internal number. This business partner is automatically assigned to the supplier with the corresponding relationship.

Tax Jurisdiction Code Determination via Vertex

If [Vertex](#) is activated (especially on US installations) the tax jurisdiction code will be determined by the address.


If Vertex determines more than one tax jurisdiction code for a record, the migration of this record will fail. If this happens, you'll have to provide a more detailed/accurate address, for example, a US Postal code with 9 digits instead of 5 digits.

The more detailed and accurate an address, the better the tax jurisdiction code will be determined by Vertex.

For some addresses, Vertex will always provide more than one tax jurisdiction code. In this case you will have to maintain this record manually or provide a correct tax jurisdiction code within the template.

In the [Suppress Tax Jurisdiction Code Check](#) field on the [General Data](#) sheet, you can suppress the check and the automatic determination of the [Tax Jurisdiction Code](#) for each record.

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#)  scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the [Version](#) field.
Download the test script from the [Details](#) section.
3. Follow the procedure described in the BH5 test script.


Post-Processing

How to Validate your Data in the System

Transaction BP

[Maintain Business Partner](#)

Further Information

- SAP Note [2726010](#)  – *Migration Cockpit: Support of custom fields (in-App extensibility)*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.86 PS - WBS element

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	PS
Business Object Type	Transactional data
Business Object Definition	A work breakdown structure (WBS) is a model of the work to be performed in a project organized in a hierarchical structure.

In Scope

Migration to SAP S/4HANA is supported.

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Basic Data
- Dates
- Assignments
- Control
- User Fields
- Text

Prerequisites

The following objects must have already been maintained or migrated:

- [PS - Project \[page 199\]](#)

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Project Definition (mandatory)

Level	Name
2	WBS element data (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.
3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CJ13

[Display WBS Element](#)

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

1.87 *Work center/Resource*

[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

Purpose

Business Object Component/Area	Work Center / Resource (PP/PM)
Business Object Type	Master data

Business Object Definition

1. Work Center
Logistics - General (LO)
Organizational unit that defines where and by whom an operation is performed.
The work center has an available capacity. The activities performed at or by the work center are valued by charge rates, which are determined by cost centers and activity types. Work centers can be:
 - Machines
 - People
 - Production lines
 - Groups of craftsmen
 2. Resource
Production Planning for Process Industries (PP-PI)
Means of production and persons involved in a production process that have capacities assigned to them.
Resources are divided into resource categories, such as production line labor, storage.
Using resources, you can:
 - Create a resource network structure to define the sequence of the resources used
 - Define a resource hierarchy to group resources for evaluation
 - Classify the resources to define their suitability for a purpose or use in an operation
-

In Scope

Migration to SAP S/4HANA is supported.

The description is always stored in the logon language of the user that is used to migrate the work center data.

i Note

Migration of description in multiple languages is not supported

Supported Features

The following structures/features are supported in SAP S/4HANA:

- Work Center Basic Data
- Work Center Default Values
- Work Center Scheduling
- Work Center Capacities, header data
- Work Center Capacities, Intervals of Available Capacity

- Work Center Capacities, Shift Values
- Work Center Assignment to Cost Center

Prerequisites

The following objects must have already been maintained or migrated:

- [Cost center \[page 136\]](#)

Validity Period and Dependencies

Business objects that reference this object must be created within the correct validity period for this object.

If a successor object is created with a validity period that starts before the validity period of this object, it will normally cause an error message during the creation or migration of the successor object.

You therefore have to check such time dependencies before you create or migrate your objects. This will avoid subsequent error messages and inconsistent data on your database.

Mapping Instructions

Mapping Structure Hierarchy

Level	Name
1	Work Center Header (mandatory)
2	Work Center Capacity
3	Interval of Available Capacity
3	Capacities, shift values
2	Work Center Cost Center (mandatory)

Tasks

1. Download the migration template from the Migration Cockpit.
2. Navigate to the [Data Migration to SAP S/4HANA from File \(BH5\)](#) scope item on SAP Best Practices Explorer.
There, choose your SAP S/4HANA release from the *Version* field.
Download the test script from the *Details* section.

3. Follow the procedure described in the BH5 test script.

Post-Processing

How to Validate your Data in the System

Transaction CR03	<i>Display Work Center</i>
Transaction CRC3	<i>Display Resource</i>



[Available Migration Objects \[page 3\]](#) in SAP S/4HANA.

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