CNV-2012 Materials - Accounting 1

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Purpose

The purpose of this document is to define the conversion approach for the object 2012 - Material Master Accounting View 1 in S4HANA.

The document details out the field list, extraction criteria, scoping, mapping, transformation logic, generation of the pre-load file and loading of the same with respect to the object 2012- Accounting View 1 of the Material Master.

The accounting view governs how a material is valuated financially within a specific valuation area (typically plant or company code). It directly influences inventory valuation, cost accounting, and integration with the General Ledger Accounting.

Key data/fields maintained in the Material Master- Accounting View 1 are as below:

General Valuation Data

These section of the Accounting View 1 of the Material Master contains the fields that controls the valuation behaviour and integration.

1. Material Master - Field MBEW-MATNR
   This field represents the Material Master for which the accounting and costing views are created. The material number must exist in the table MARA (basic table for Materials)
2. Total Stock - Field MBEW-LBKUM
   This field stores the valuated quantity. The quantity gets updated upon the movement of stocks such as goods receipt, goods issue or scrapping. This field is available for display and not directly maintained in the Accounting View 1. The field gets updated in the MBEW table upon valuation.
3. Valuation Class- Field MBEW-BKLAS
   Determines the G/L account for inventory postings based upon the account determination configuration (Table T030)
4. Valuation Category - Field MBEW-BWTTY
   This is used for split valuation i.e. to valuate a material differently, e.g. in-house or external. This is will be used for spares relevant for split valuation under material type ZIND (applicable for refurbishment).
5. Valuation Type - Field MBEW-BWTAR
   This is used for split valuation i.e. to valuate a material differently, e.g. in-house or external. This is will be used for spares relevant for split valuation under material type ZIND (applicable for refurbishment).
6. Price Determination - Field CKMLHD-MLAST
   This field controls how prices are calculated in the Material Ledger. Below values are available to be maintained
   - 2: Transaction-based price- this indicator to be used for the case when ML actual costing is not active
   - 3: Periodic Price - this indicator to be used for the case where actual costing to be run for the material

Prices and Value

These section of the Accounting View 1 of the Material Master contains the fields that stores the prices and values of a Material.

1. Standard Price - Field MBEW-STPRS
   This is the standard price of the material applicable for the valuation area (plant). The field is updated with numerical value
2. Moving Average Price - Field MBEW-VERPR
   This is the moving average price of the material applicable for the valuation area (plant). The field gets updated with numerical value upon goods receipts, invoice postings, and price changes when Price Control = V. This field also denotes the periodic unit price that gets updated upon actual costing if the material ledger is active and relevant for costing of the material.
3. Unit Price- Field MBEW-PEINH
   This field represents the Unit price for the different prices. In order to avoid rounding impacts, it is recommended to set the unit price to 100 or 1000 units
4. Price Control- Field MBEW-VPRSV
   This field indicates the price control used to valuate stock/quantity of the material. There are two options available:
   a. S: Standard Price
   b. V: Moving Average Price
5. Total Value- Field MBEW-SALK3
   This field stores the values i.e. total quantity multiplied by the price

The Accounting View 1 and 2 of the Material Master in S4HANA is similar to that of ECC which is defined by the table MBEW and MBEWH however below changes in S4HANA become important considerations for the conversion:

- The Table MBEW is still applicable but due to introduction of Universal Journal, the costing data is integrated
- Material Ledger activation is mandatory in S4HANA even though actual costing for some Company Codes may not be applicable

In SAP ECC, the Accounting View 1 is maintained for Materials which are mainly as below

Reference: PF2 - where the total value is more than 0.

- Approx 112220 plus records across 94 valuation areas
- The Valuation Classes and the count of Material are as below in PF2 where material has a value (MBEW-SALK3 not equals to 0) as on 22nd Sept'2025

Index	Valuation Class	Valuation Class Description	Records with Price Control S	Records with Price Control V	Total
1	Z000	Main Raw Materials	1247	59	1306
2	Z049	Interplant Raw Material	2	0	2
3	Z050	Other Raw Materials	112	93	205
4	Z051	Packaging	800	340	1140
5	Z053	Semi-Finished Goods	2	0	2
6	Z054	Utilities	3	1	4
7	Z055	Gen & tec goods non packg	2423	89963	92385
8	Z057	Waste	39	7	46
9	Z058	Spare Parts	5	8397	8402
10	Z05A	Assets- Quantity mgmt	1	167	168
11	Z05L	Solid Fuels	0	4	4
12	Z05P	Light Fuel Oil	0	1	1
13	Z05R*	Gen & tec goods non packg	0	7	7
14	Z05Y*	Utilities	0	2	2
15	Z061*	Semi-Finished Goods	50	24	74
16	Z100	Finished Goods	2985	2324	5309
17	Z101	Finished Goods Purch.	100	3168	3172
		Total	**7770**	**104458**	**112228**

Note:

- Valuation Classed marked with * to be confirmed as these seem to be duplicate.
- There are 2 records which do not have a valuation class. (not included above)
- The above numbers do not include the materials which have been set with "mark for deletion"

Reference: WP2 - where the total value is more than 0.

- Approx 145580 plus records across 243 valuation areas
- The Valuation Classes and the count of Material are as below in WP2 where material has a value (MBEW-SALK3 not equals to 0) as on 22nd Sept'2025

Index	Valuation Class	Valuation Class Description	Records with Price Control S	Records with Price Control V	Total
1	Z100	CS Raw Materials	4987	378	5365
2	Z110	CS Packaging	1946	573	2519
3	Z120	CS Spare Parts	0	126159	126159
4	Z125	CS Spare Parts assets IFRS	0	33	33
5	Z130	CS Trading Goods	1171	59	1230
6	Z140	CS Intermediates	1232	0	1232
7	Z150	CS Finished Products	6166	1	6167
8	Z160	CS Spare Parts consum>BOM	0	2265	2265
9	Z170	CS Other operating supplies	0	442	442
10	Z175	CS Office supplies	0	156	156
		Total	**15502**	**130066**	**144568**

Note:

- Valuation Classed marked with * to be confirmed as these seem to be duplicate.
- There are 17 records which do not have a valuation class. (not included above)
- The above numbers do not include the materials which have been set with "mark for deletion"

The target design in S4HANA for maintaining the Accounting View is as below

- Price Valuation: All materials that participates to manufacturing or semi-finished of finished goods (part of the BOM) should be managed at standard price with actual costing activated.

- The rest of materials should manage at moving average price without actual costing
  Note: In case of by-products, the price will be at standard price but without actual costing
- Apart from above the accounting classification will also be another factor in maintaining this view based on valuation class
- The field MBEW-MLMAA (ML Active) is set to active in S4HANA by default

The converted records for Material Master - Accounting View 1 will be loaded into the target S/4HANA system as overall load of Material Masters including different view, using standard SAP LTMC.

Conversion Scope

The scope of this document covers the conversion approach for the Object 2012 - Material Master Accounting View 1 from Legacy Source Systems into S/4HANA following the DD-FUN-050 Master Data Standard_2012-Materials Accounting 1

The materials relevant for valuation will be either having the price control indicator (MBEW-VPRSV) as S-Standard or V-Moving Average and accordingly the applicable price will be either maintained upon creation of a new material or updated based on the material movements.

For the purpose of the conversion, the standard price will be maintained in the field MBEW-STPRS (Standard Price) along with relevant price determination which will be used to arrive at the Total Value (MBEW-SALK3) upon the initial stock upload using movement type 561.

Data Relevancy for object 2012:

The data from legacy system includes:

1. Active Material Master that are in use (Production or Procurement) -Materials relevant for Accounting and Costing views have reference to table MARC (Plant Data for Material)
2. The Materials must exist in table MBEW for Valuation Area (reference table T001K) or Company Code (Reference Table T001) in scope for conversion

For the purpose of conversion, only those records which are active in Base table MARA and have a stock value will be considered. Accordingly, below approximated number of records are considered as scope for conversion, which may be reduced after cleansing.

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	Materials Masters, active in table MARA, with value (MBEW-SALK3) not equals to 0 (Zero)	112250	S4HANA	112250
WP2	Materials Masters, active in table MARA, with value (MBEW-SALK3) not equals to 0 (Zero)	144600	S4HANA	144600

Additional Information

Multi-language Requirement

Not applicable

Document Management

Not applicable

Legal Requirement

Not applicable

Special Requirements

Below are the special requirements with respect to Material Master Accounting View 1:

- As the Material Ledger is going to be active in S4HANA by default, the price control indicator of the source materials needs to align where applicable
- The costing run in the legacy system must have been completed has part of the month end activity in the cutover month
- The standard price must be maintained before the initial Material Load happens with movement type 561

No localization or specific requirements
No third-party system relevant for source

Target Design

The to be target design relevant for Accounting View 1 of the Material Master based upon the MDS "DD-FUN-050 Master Data Standard_2012-Materials Accounting 1" is as below:

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length (Decimals)	Requirement
MBEW	MATNR	MATNR	Material Number	CHAR	18	Required
MBEW	BWKEY	BWKEY	Valuation Area	CHAR	4	Required
MBEW	LBKUM	LBKUM	Total Value	QUAN	13	This field will be updated upon initial stock upload
MBEW	BWTAR	BWTAR	Valuation Type	CHAR	10	Optional Note: May be required in case of materials relevant for split valuation.
MBEW	BKLAS	BKLAS	Valuation Class	CHAR	4	Required
MBEW	MLAST	MLAST	Price determination indicator	CHAR	1	Required
MBEW	PEINH	PEINH	Unit price	DEC	5	Required
MBEW	BWTTY	BWTTY	Valuation Category	CHAR	1	Optional Note: May be required for materials which are relevant for split valuation. Material type ZIND.
MBEW	STPRS	STPRS	Standard Price	CURR	13	Required
MBEW	MLMAA	CK_ML_MAAC	Material Ledger Active	CHAR	1	System Derived
MBEW	EKLAS	EKLAS	Valuation Class for Sales Order Stock	CHAR	4	Not Used
MBEW	QKLAS	QKLAS	Valuation Class for Project Stock	CHAR	4	Not Used
MBEW	VPRSV	VPRSV	Price Control	CHAR	1	Required
MBEW	VERPR	VERPR	Moving Avg Price	CURR	13	Optional
MBEW	SALK3	SALK3	Inventory value	CURR	13	System Derived. This field will be updated upon initial stock upload
MBEW	ZKPRS	ZKPRS	Future Price	CURR	13	System Generated (updated by the system during costing run)
MBEW	ZKDAT	ZKDAT	Future Price From	DATS	8	System Generated (updated by the system during costing run)
MBEW	STPRV	STPRV	Previous Price	CURR	13	System Generated (updated by the system during costing run)
MBEW	LAEPR	LAEPR	Date of last price change	DATS	8	System Generated (updated by the system during costing run)

Data Cleansing

For the purpose of the Object 2012 - Material Master Accounting View 1, the data cleansing should happen in the source systems PF2, WP2 as per below cleansing activity. The business cleansing is expected to be done by the business.

1. Data cleansing will be based on the relevancy as defined in Conv Spec 2010 (Materials - General Plant Data / S.Loc Data) and 2019 (Materials – Basic View).

Conversion Process

The generic high-level process steps for the conversion are as below:

1. Extraction:
    a. Extract from the source systems: Apply the selection parameters and data relevancy as mentioned in this specification, from the relevant tables
    b. DCT: The DCT to be prepared if the data to be transformed and is part of the load file is not available in the Source system
2. Transform
    a. Transform fields by applying the fields and value mapping in the Syniti
    b. Generate and validate Pre-load files
3. Load
    a. Load the validated Pre-load file using SAP's LTMC or the custom upload program as applicable.

However, with respect to object 2012- Material Master - Accounting View 1, the conversion process will depend upon the overall cutover/migration strategy <To be finalised by Functional team>, in view of the mandatory Material Ledger activation in S4HANA. The common practice/approach and steps followed are as below:

1. **Master Data: Load Material Master**
   Load material master data with all relevant views including Accounting and Costing views
   The price control S or V as decided is set in the Accounting View
2. **Material Valuation: Load Material Valuation**
   Data to be loaded includes Price Control, current standard price, current moving average price (if the price control is V)
3. **Open PO, Production orders**
   Load open Purchase Orders and Production Orders if any
4. **Load Inventory balances**
   Data to be loaded for stock quantity per plant/valuation area
   This will update the total stock and value view in the accounting view
5. **Material Ledger Costing - If the price control is S**
   Run costing (CK40N) in the S4HANA

As of now, this conversion specification is meant for updating the Accounting View 1 of the Material Master as part of the Material Master Load.

Standard LTMCs for Material Master and Material Valuations to be used.

Data Privacy and Sensitivity

Not applicable except materials having export control.

Extraction

Extract data from a source into Syniti.

There are 2 possibilities:

1. The data exists. Syniti connects to the source and loads the data into Synity. There are 3 methods:
   a. Perform full data extraction from relevant tables in the source system(s).
   b. Perform extraction through the application layer
   c. Only if Synity cannot connect to the source, data is loaded to the repository from the provided source system extract/report
2. The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in Synity This is to be conducted using DCT (Data Collection Template) in Synity

The agreed Relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target loads

Extraction Run Sheet

Req #	Requirement description	Team responsible
1.	Extract from table MBEW all MATNR (material masters) where MBEW-BKLAS (Valuation Class) is not blank	Syniti Team
2.	Extract from table MBEW all MATNR (material masters) for the in-scope materials defined in conversion specifications 2010 (Materials - General Plant Data / S.Loc Data) and 2019 (Materials – Basic View).	Syniti Team
3.	Repeat Req # 1 to 2 if required	Syniti Team

Selection Screen

In-scope materials as per conversion spec 2010 (Materials - General Plant Data / S.Loc Data) and 2019 (Materials – Basic View) will be extracted.

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for Object 2012 Material Master - Accounting View 1 data with exception of some fields which require transformation as mentioned in the transformation rule. (only for enrichment, as of now this is a provision for DCT)

2012 - Material Master 1 Accounting View
DCT Rules

Field Name	Field description	Rule
MBEW-MATNR	Material	This is a required field Material Number for which Price needs to be maintained
MBEW-BWKEY	Valuation Area	This is a required field Business to enter Plant of the Material
MBEW-BWTAR	Valuation Type	This is an optional field Business to enter valuation type only for materials which are relevant for split valuation (e.g. spares)
MBEW-BKLAS	Valuation Class	This is a required field Business to enter the correct valuation class. The GL account for material postings get derived based on valuation class. Hence it is important to enter the correct valuation class.
MBEW-MLAST	Price determination indicator	Business to enter price determination indicator as 2 for the case without ML actual costing, or MAP or 3 for the case of actual costing to be run for the material
MBEW-PEINH	Unit Price	This is a required field Business to enter price unit if the Material Price unit is changing from legacy
MBEW-BWTTY	Valuation Category	This is an optional field Business to enter valuation type only for materials which are relevant for split valuation (e.g. spares) i.e. material type ZIND (relevant for refurbishment).
MBEW-STPRS	Standard Price	Business to enter standard price if the Material has price control as S
MBEW-VPRSV	Price Control	Business to enter S for Standard or V for Moving Average Price
MBEW-VERPR	Moving Average Price	Business to enter standard price if the Material has price control as V

Extraction Dependencies

Below dependencies apply for extraction.

Item #	Step description	Team responsible
1.	Any period / year end close activities including costing runs have been fully completed	Business
2.	Data Cleansing (such as setting the Flag for Deletion at Master level) has been done	Business
3.	The total value is reconciled in MM and FI	Business
4	The prices and units to be loaded have been confirmed and reconcile to total value to be loaded	Business

Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow Syniti to make the data Target ready:

1. Perform value mapping and data transformation rules.
    a. Legacy values are mapped to the to-be values (this could include a default value)
    b. Values are transformed according to the rules defined in Syniti
2. Prepare target-ready data in the structure and format that is required for loading via prescribed Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation

Transformation Run Sheet

Item #	Step description	Team responsible
1.	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into Syniti	Data team
2.	Ensure that signed off value mappings have been maintained in the Syniti	Syniti team
3.	Confirm the value mappings as maintained in the Syniti	Data team
4.	Ensure that Signed off DCT from business has been received and maintained in Syniti	Syniti/Data team
5	Execute transformation for the object	Syniti team
6	Monitor the transformation progress and ensure performance and completion is within allowed timeframe	Syniti/Data team
7.	Generate Pre-Load reports.	Syniti team
8.	Generate data load count.	Syniti team
9.	Log errors as defects, if any and address resolutions. Close defects.	Syniti/Data team
10.	Re-transform and re-validate the Pre-load reports if necessary.	Syniti/Data team
11.	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
12.	Analyse and resolve any pre-load defects logged by business.	Syniti/Data team
13.	Repeat steps 5 to 11 if necessary	Syniti/Data team
14.	Proceed to pre-load validations	Data team

Transformation Rules for legacy Extraction

Rule #	Source system	Source Table	Source Field	Source description	Target system	Target Table	Target Field	Target description	Transformation logic
1	PF2/WP2	MBEW	MATNR	Material	S4HANA	MBEW	MATNR	Material	XREF of the materials loaded before as part of basic view
2	PF2/WP2	MBEW	BWKEY	Valuation Area	S4HANA	MBEW	BWKEY	Valuation Area	Value Mapping for Valuation Area/ Valuation Class
3	PF2/WP2	MBEW	BWTAR	Valuation Type	S4HANA	MBEW	BWTAR	Valuation Type	Copy legacy values where available.
4	PF2/WP2	MBEW	BKLAS	Valuation Class	S4HANA	MBEW	BKLAS	Valuation Class	Value Mapping for Valuation Area/ Valuation Class. Link to config document is given below
5	PF2/WP2	MBEW	MLAST	Price determination indicator	S4HANA	MBEW	MLAST	Price determination indicator	Copy legacy values 2 for the case without ML actual costing, or MAP 3 for the case of actual costing to be run for the material
6	PF2/WP2	MBEW	PEINH	Unit price	S4HANA	MBEW	PEINH	Unit price	Copy legacy value
7	PF2/WP2	MBEW	BWTTY	Valuation Category	S4HANA	MBEW	BWTTY	Valuation Category	Copy legacy values where available.
8	PF2/WP2	MBEW	STPRS	Standard Price	S4HANA	MBEW	STPRS	Standard Price	Copy legacy values
9	PF2/WP2	MBEW	VPRSV	Price Control	S4HANA	MBEW	VPRSV	Price Control	Copy legacy values
10	PF2/WP2	MBEW	VERPR	Moving Average Price	S4HANA	MBEW	VERPR	Moving Average Price	Copy legacy values

Transformation rules for DCT

Rule #	Source system	Source Table	Source Field	Source description	Target system	Target Table	Target Field	Target description	Transformation logic
1	Construct	NA	NA	NA	S4HANA	MBEW	MATNR	Material	As per DCT
2	Construct	NA	NA	NA	S4HANA	MBEW	BWKEY	Valuation Area	As per DCT
3	Construct	NA	NA	NA	S4HANA	MBEW	BWTAR	Valuation Type	As per DCT. To be left blank if the material is not relevant for split valuation.
4	Construct	NA	NA	NA	S4HANA	MBEW	BKLAS	Valuation Class	As per DCT
5	Construct	NA	NA	NA	S4HANA	MBEW	MLAST	Price determination indicator	(Value as per DCT) Enter “2” for the material without ML actual costing, or MAP Enter “3” for the material relevant for actual costing

6	Construct	NA	NA	NA	S4HANA	MBEW	PEINH	Unit price	As per DCT
7	Construct	NA	NA	NA	S4HANA	MBEW	BWTTY	Valuation Category	As per DCT. To be left blank if the material is not relevant for split valuation.
8	Construct	NA	NA	NA	S4HANA	MBEW	STPRS	Standard Price	As per DCT
9	Construct	NA	NA	NA	S4HANA	MBEW	VPRSV	Price Control	As per DCT
10	Construct	NA	NA	NA	S4HANA	MBEW	VERPR	Moving Average Price	As per DCT

Transformation Mapping

Below value mapping tables should be constructed in Syniti

Mapping Table Name	Mapping Table Description
Material	Mapping of Old vs New Material based on the Source MATNR number to target MATNR
Valuation Area	Mapping of legacy ECC valuation area to S4HANA valuation area
Valuation Class	Mapping of legacy ECC valuation area to S4HANA valuation area

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into Syniti	Data team
2	Ensure that signed off value mappings have been maintained in the Syniti	Syniti team
3	Confirm the value mappings as maintained in the Syniti	Data team
4	Ensure that Signed off DCT from business has been received and maintained in Syniti	Syniti/Data team
5	Confirm on the extracted values	Syniti, Data and business

Pre-Load Validation

Project Team

The Pre Load validations are performed by Project Team

Completeness

Task	Action
Generation of Pre-load reports	Mandatory field check. • Material has a source Material number reference • Material exists in MARA • Material is having a Valuation Area(Plan) assigned • Material is having a Valuation Class assigned • ML Active field is set for Material
Record Count	Record Count Confirm the record counts in preload summary report • Total Records: • Valid Records: • Invalid Records:

Business Confirmation	Data team after the initial validation of Pre-Load validation based on the pre agreed validation checklist To send the Pre-Load file to the Business Representatives for all plants/valuation area in scope for conversion Business Representatives to validate the pre-load file Agree with data team on the next steps for erroneous records
Exception	Establish exception rules and get approval, if applicable

Accuracy

Task	Action
Mandatory field mapping and transformation	Obtain a list of the fields to be populated with values from mapping files and ensure all these fields contain S /4HANA values. Mandatory field check. • Material has a source Material number reference • Material exists in MARA • Material is having a Valuation Area(Plan) assigned • Material is having a Valuation Class assigned • ML Active field is set for Material Review the data report to ensure mapping value is not missing in tool. Capture errors in the Data Error report.
Integration/Reference checks	Validate links to tables MARA, MARC, and valuation classes in T025
Business Value Checks	• Standard Price (STPRS) must be > 0 for price-controlled materials • Total Value (SALK3) must be >0 (above checks are to be done for overall accounting and costing views of the material master)
Records in Errors	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

Business

The following pre-load validations will be performed by business.

Completeness

Task	Action
Check Data load register count	Business Data Owner/s to verify that the total number of relevant records to be converted is equal to the total number of records in the Preload file and Load Sheets for the valuation areas (plants) in scope.

Accuracy

Task	Action
Conversion accuracy	To check and validate the load files with all the transformation and mapping rules, to be signed off.

Load

The load process includes:

1. Execute the automated data load into target system using load tool or produce the load file if the loading of records to be done using LTMC cockpit object of Material Master and Material Valuation.
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation with side by side check of each fields in scope of the objects with fields to be displayed as XXXX_ECC, XXXX_S4HANA, XXXX_MATCH (As TRUE or FALSE) with an additional column denoting fields not matching and status of loading in S/4HANA as LOADED_IN_S4HANA (As TRUE or FALSE)

Load Run Sheet

Item	Step description	Team responsible
1	Go to load file and pick 5 data records, load manually without any tool. See what happens. If all okay, proceed with the next step.	Data team
2	Go to load file and pick 10 records and load them with the tool. No action if the previous step has fallen. If not, then continue to load 10 records with the tool. Check if everything went okay.	Data team
3	Proceed with the full load if steps one and two were succeed else fix the issue with records	Data team
4	Validate few records loaded by accessing standard transactions from S/4HNA e.g. MM03	Data team
5	Generate post load report if step 5 is validated	Data team
6	Log errors as defects, if any and address resolutions. Close defects.	Data team
7	Resolve defects by reupload and re-generate post load reports if necessary.	Data team
8	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
9	Repeat steps 1 to 5 if necessary.	Data team

Load Phase and Dependencies

The load phase for this object is ideally relevant for Pre-Cutover. TBC by S2P team.

Configuration

Item #	Configuration item
1.	Controlling Area configuration
2.	Plants (WERKS) should exist
3.	Company Codes (BUKRS) should exist
4	Valuation Class (BJLAS) should exist
5	Material Type Configuration
6	Account determination for GL accounts in OBYC for valuation classes maintained

Conversion Objects

Object #	Preceding Object Conversion Approach
2019	Material Master Basic View

Error Handling

The table below depicts some possible system errors for this data object during data load. All data load error is to be logged as defect and managed within the Defect Management

Error type	Error description	Action taken
Posting Period	Posting period is blocked for posting	Review project / cutover plan and ensure posting periods can be opened for postings
Valid Master	Material Master is not available	Ensure the material master has been created
ML active	Plant is not active for Material Ledger	Review project / cutover plan and ensure step for ML activation for all plants in S4 has been done

Post-Load Validation

Project Team

Completeness

Task	Action
Reconciliation of Record Count	Record Count - Count and check how many records were loaded vs. Records in the load file (Each mock has it's own data record count) Check for logs from Load and fix erroneous records, if any.

Accuracy

Task	Action
Check values in key fields for accuracy	Post-load reports will have the same structure as the load file and some additional columns as required to facilitate the post load validation. Leverage on tool to create a Post Load report that reports S/4HANA loaded records along with the legacy values side-by-side to allow for 100% check of all these fields in the shortest possible time. Any mismatch will be reported under the Post Load - Error report.

Business

Completeness

Task	Action
Record Count Check	Review the record count report from the Data Team and ensure it is correct by cross-checking with the record count confirmed during Pre-load Business Validations Business may also run transaction code **MB5L (List of stock values/balances) to check the reports by Company Code, Plant**

Accuracy

Task	Action
Field Checks	Check the price unit (i.e. in KGs or other UOM) is correctly maintained Check the right price control
Value Check	Check values from the preload and post load. Check quantities are matching

Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Object 2012 is in scope based on data design and any exception requested by business.
- The load for this object will be performed along with/ as parr of overall Material Master Load

Change log

Version	Published	Changed By	Comment
CURRENT (v. 38)	**Feb 24, 2026 15:16**	**GANESAN-ext, Shivkumar**	
v. 37	Feb 12, 2026 14:29	**GANESAN-ext, Shivkumar**	
v. 36	Feb 09, 2026 16:37	**GANESAN-ext, Shivkumar**	
v. 35	Feb 09, 2026 16:12	**GANESAN-ext, Shivkumar**	
v. 34	Feb 04, 2026 16:41	**GANESAN-ext, Shivkumar**	
v. 33	Feb 03, 2026 14:29	**GANESAN-ext, Shivkumar**	
v. 32	Nov 10, 2025 16:18	**BAJAJ-ext, Manoj**	Updated as discussed with Angel, Rajib and Gaurav from Syniti team
v. 31	Oct 07, 2025 13:13	**GARCIA-ext, Angel Luis**	
v. 30	Oct 07, 2025 12:50	**BAJAJ-ext, Manoj**	
v. 29	Oct 07, 2025 12:08	**BAJAJ-ext, Manoj**	

Go to Page History

Workflow history

Title	Last Updated By	Updated	Status
There are no pages at the moment.			

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Mar 24, 2026	Actor	Type	Activity	Version
Approved	NAVANDAR-ext, Divya	State	changed state to Approved at 3:20 pm	v38
Revision under Review	NAVANDAR-ext, Divya	State	gave *Minor change* approval at 3:20 pm	
		State	changed state to Revision under Review at 3:20 pm	v38
Mar 18, 2026				
Revision in Progress	WENNINGER-ext, Sascha	State	changed state to Revision in Progress at 5:48 pm	v38
From Nov 10, 2025 to Feb 24, 2026				
Edited following Approval	BAJAJ-ext, Manoj and GANESAN-ext, Shivkumar	Edit	multiple updates from BAJAJ-ext, Manoj and GANESAN-ext, Shivkumar	
	BAJAJ-ext, Manoj	State	changed state to Edited following Approval at 3:18 pm	v32