

# CNV-2014 Material Master Accounting View 2

|              |                                                              |
|--------------|--------------------------------------------------------------|
| Status       | <div>100%</div>                                              |
| Owner        | BAJAJ-ext, Manoj                                             |
| Stakeholders | PILLAY-ext, Lawrence GARCIA-ext, Angel Luis KUMAR-ext, Rajib |

## Purpose

The purpose of this document is to define the conversion approach for the object 2014 - Material Master Accounting View 2 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 2014- Accounting View 2 of the Material Master.

The overall accounting views govern how a material is valued 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.

The accounting 2 view of material master deals with two key aspects

- Additional material prices that need to be maintained for tax or commercial reasons
- LIFO/FIFO calculations

Key data/fields maintained in the Material Master- Accounting View 2 are as below:

Fields MBEW-BWPRS (Tax Price 1), MBEW-BWPS1 (Tax Price 2) and MBEW-VJBWS (Tax Price 3) deal with any country specific requirement for material valuations

Fields MBEW-BWPRH (Commercial price 1), MBEW-BWPH1 (Commercial price 2) and MBEW-VJBWH (Commercial price 3) deal with valuation based on commercial laws of some countries.

Fields MBEW-XLIFO (LIFO/FIFO relevant) and MBEW-MYPOL (LIFO/FIFO pool) are used if material valuation needs to be done LIFO/FIFO basis

The accounting view 2 is mainly optional maintenance and used only when there are specific requirements.

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 2 is maintained for Materials which are mainly as below

**Reference: PF2 - where the total value is more than 0 and one of the Tax Prices or Commercial Prices have been maintained**

| Index | Remarks                                   | Number of Records |
|-------|-------------------------------------------|-------------------|
| 1     | Number of records with Tax Price 1        | 2                 |
| 2     | Number of records with Tax Price 2        | 10671             |
| 3     | Number of records with Tax Price 3        | 1                 |
| 4     | Number of records with Commercial Price 1 | 11                |
| 5     | Number of records with Commercial Price 2 | 0                 |
| 6     | Number of records with Commercial Price 3 | 4                 |
| 7     | Number of records with LIFO indicator     | 6535              |

**Reference: WP2 - where the total value is more than 0 and one of the Tax Prices or Commercial Prices have been maintained**

| Index | Remarks | Number of Records |
|-------|---------|-------------------|
|-------|---------|-------------------|

|   |                                           |       |
|---|-------------------------------------------|-------|
| 1 | Number of records with Tax Price 1        | 12429 |
| 2 | Number of records with Tax Price 2        | 14103 |
| 3 | Number of records with Tax Price 3        | 717   |
| 4 | Number of records with Commercial Price 1 | 655   |
| 5 | Number of records with Commercial Price 2 | 22    |
| 6 | Number of records with Commercial Price 3 | 15    |
| 7 | Number of records with LIFO indicator     | 16    |

The target design in S4HANA for maintaining the Accounting View 2 is as below

- Tax Price 1 to 3 - Optional maintenance with no special or country requirements
- Commercial Price 1 to 3 - Optional maintenance with no special or country requirements
- LIFO/FIFO Valuation - No values being maintained

The converted records for Material Master - Accounting View 2 will be loaded into the target S/4HANA system as overall load of Material Masters including different views, using standard SAP LTMC.

## Conversion Scope

The scope of this document covers the conversion approach for the Object 2014 - Material Master Accounting View 2 from Legacy Source Systems into S/4HANA following the DD-FUN-050 Master Data Standard\_2014-Materials Accounting 2

The data from legacy system includes:

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

List of source systems and approximate number of records

Note: the below numbers are from MBEW tables. The number can be lesser if the valuation areas not in scope is excluded.

| 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) and having Tax Price 1 or Tax Price 2 or Tax Price 3 maintained                      | 10680                        | S4HANA        | 10680                        |
| PF2    | Materials Masters, active in table MARA, with value (MBEW-SALK3) not equals to 0 (Zero) and having Commercial Price 1 or Commercial Price 2 or Commercial Price 3 maintained | 15                           | S4HANA        | 15                           |
| WP2    | Materials Masters, active in table MARA, with value (MBEW-SALK3) not equals to 0 (Zero) and having Tax Price 1 or Tax Price 2 or Tax Price 3 maintained                      | 27250                        | S4HANA        | 27250                        |
| WP2    | Materials Masters, active in table MARA, with value (MBEW-SALK3) not equals to 0 (Zero) and having Commercial Price 1 or Commercial Price 2 or Commercial Price 3 maintained | 55                           | S4HANA        | 55                           |

## Additional Information

### Multi-language Requirement

Not applicable

### Document Management

Not applicable

### Legal Requirement

Not applicable

## Special Requirements

So far there isn't any requirement for special handling / external system for the Tax Price 1 to 3 and Commercial Price 1 to 3.

## Target Design

The to be target design relevant for Accounting View 2 of the Material Master based upon the MDS "DD-FUN-050 Master Data Standard\_2012-Materials Accounting 2" is as below:

The technical design of the target for this conversion approach.

| Table | Field | Data Element | Field Description     | Data Type | Length | Requirement |
|-------|-------|--------------|-----------------------|-----------|--------|-------------|
| MBEW  | MATNR | MATNR        | Material code         | CHAR      | 18     | Required    |
| MBEW  | BWKEY | BWKEY        | Plant                 | CHAR      | 4      | Required    |
| MBEW  | BWPRS | BWPRS        | Tax Price 1           | CURR      | 13     | Optional    |
| MBEW  | BWPS1 | BWPS1        | Tax Price 2           | CURR      | 13     | Optional    |
| MBEW  | VJBWS | VJBWS        | Tax Price 3           | CURR      | 13     | Optional    |
| MBEW  | ABWKZ | ABWKZ        | Devaluation Indicator | NUMC      | 2      | Optional    |
| MBEW  | BWPRH | BWPRH        | Commercial price 1    | CURR      | 13     | Optional    |
| MBEW  | BWPH1 | BWPH1        | Commercial price 2    | CURR      | 13     | Optional    |
| MBEW  | VJBWH | VJBWH        | Commercial price 3    | CURR      | 13     | Optional    |
| MBEW  | XLIFO | XLIFO        | LIFO/FIFO relevant    | CHAR      | 1      | Optional    |
| MBEW  | MYPOL | MYPOOL       | LIFO/FIFO pool        | CHAR      | 4      | Optional    |

## Data Cleansing

For the purpose of the Object 2014 - Material Master Accounting View 2, 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).

Based upon the above rules for cleansing, the data will be extracted from source systems WP2, PF2 and will be checked in Syniti.

## 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 using Material Valuation.

However, with respect to object 2014- Material Master - Accounting View 2, the conversion process will depend upon the overall cutover/migration strategy of Material Master and its accounting view 1 and costing view 1`<To be finalised by Functional team>, in view of the mandatory Material Ledger activation in S4HANA. In view of the to be design for object 2014 Material Master Accounting view 2 being optional maintenance, the conversion process will be one to one where applicable.

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

## Data Privacy and Sensitivity

None

## 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 Syniti. 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 Syniti 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 Syniti This is to be conducted using DCT (Data Collection Template) in Syniti

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

Below selection parameters to apply for extraction from table MBEW from source systems WP2 and PF2.

| Selection Ref Screen | Parameter Name          | Selection Type | Requirement | Value to be entered/set                          |
|----------------------|-------------------------|----------------|-------------|--------------------------------------------------|
| SE16N<br>Table MBEW  | Material (MATNR)        | NA             |             | Leave Blank                                      |
| SE16N<br>Table MBEW  | Valuation Area (BWKEY)  | Multiple       | Yes         | Enter the legacy Valuation Areas (Plant)         |
| SE16N<br>Table MBEW  | Total Stock (LBKUM)     | Selective      | Yes         | "Select not equal"<br>Value to be entered: Blank |
| SE16N<br>Table MBEW  | Total Value (SALK3)     | Selective      | Yes         | "Select not equal"<br>Value to be entered: Blank |
| SE16N<br>Table MBEW  | Valuation Class (BKLAS) | Selective      | Yes         | "Select not equal"<br>Value to be entered: Blank |

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for Object 2014 Material Master - Accounting View 2 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)

2014 - Material Master 2 Accounting View  
DCT Rules

| Field Name | Field description | Rule                                                                                        |
|------------|-------------------|---------------------------------------------------------------------------------------------|
| MBEW-MATNR | Material          | This is a required field<br>Material Number for which Price needs to be maintained          |
| MBEW-BWKEY | Valuation Area    | This is a required field<br>Business to enter Plant of the Material                         |
| MBEW-BWPRS | Tax Price 1       | This is an optional field<br>Business to enter valuation type if relevant for the material. |

|            |                       |                                                                                             |
|------------|-----------------------|---------------------------------------------------------------------------------------------|
| MBEW-BWPS1 | Tax Price 2           | This is an optional field<br>Business to enter valuation type if relevant for the material. |
| MBEW-VJBWS | Tax Price 3           | This is an optional field<br>Business to enter valuation type if relevant for the material. |
| MBEW-ABWKZ | Devaluation Indicator | This is an optional field<br>Leave it blank                                                 |
| MBEW-BWPRH | Commercial Price 1    | This is an optional field<br>Business to enter valuation type if relevant for the material. |
| MBEW-BWPH1 | Commercial Price 2    | This is an optional field<br>Business to enter valuation type if relevant for the material. |
| MBEW-VJBWH | Commercial Price 3    | This is an optional field<br>Business to enter valuation type if relevant for the material. |
| MBEW-XLIFO | LIFO/FIFO Relevant    | This is an optional field<br>Leave it blank                                                 |
| MBEW-MYPOL | LIFO/FIFO Pool        | This is an optional field<br>Leave it Blank                                                 |

## Extraction Dependencies

| 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      | Execute transformation for the object                                                                                                         | Syniti team      |
| 5      | Monitor the transformation progress and ensure performance and completion is within allowed timeframe                                         | Syniti/Data team |
| 6      | Generate Pre-Load reports.                                                                                                                    | Syniti team      |
| 7      | Generate data load count.                                                                                                                     | Syniti team      |

|    |                                                                                                                    |                  |
|----|--------------------------------------------------------------------------------------------------------------------|------------------|
| 8  | Log errors as defects, if any and address resolutions. Close defects.                                              | Syniti/Data team |
| 9  | Re-transform and re-validate the Pre-load reports if necessary.                                                    | Syniti/Data team |
| 10 | Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off. | Business         |
| 11 | Analyse and resolve any pre-load defects logged by business.                                                       | Syniti/Data team |
| 12 | Repeat steps 4 to 11 if necessary                                                                                  | Syniti/Data team |
| 13 | Proceed to pre-load validations                                                                                    | Data team        |

## Transformation Rules for 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         | BWPRS        | Tax Price 1           | S4HANA        | MBEW         | BWPRS        | Tax Price 1           | Same value as source or blank                             |
| 4      | PF2/WP2       | MBEW         | BWPS1        | Tax Price 2           | S4HANA        | MBEW         | BWPS1        | Tax Price 2           | Same value as source or blank                             |
| 5      | PF2/WP2       | MBEW         | VJBWS        | Tax Price 3           | S4HANA        | MBEW         | VJBWS        | Tax Price 3           | Same value as source or blank                             |
| 6      | PF2/WP2       | MBEW         | ABWKZ        | Devaluation Indicator | S4HANA        | MBEW         | ABWKZ        | Devaluation Indicator | Blank                                                     |
| 7      | PF2/WP2       | MBEW         | BWPRH        | Commercial price 1    | S4HANA        | MBEW         | BWPRH        | Commercial price 1    | Same value as source or blank                             |
| 8      | PF2/WP2       | MBEW         | BWPH1        | Commercial price 2    | S4HANA        | MBEW         | BWPH1        | Commercial price 2    | Same value as source or blank                             |
| 9      | PF2/WP2       | MBEW         | VJBWH        | Commercial price 3    | S4HANA        | MBEW         | VJBWH        | Commercial price 3    | Same value as source or blank                             |
| 10     | PF2/WP2       | MBEW         | XLIFO        | LIFO/FIFO relevant    | S4HANA        | MBEW         | XLIFO        | LIFO/FIFO relevant    | Blank                                                     |
| 11     | PF2/WP2       | MBEW         | MYPOL        | LIFO/FIFO pool        | S4HANA        | MBEW         | MYPOL        | LIFO/FIFO pool        | Blank                                                     |

### 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         | BWPRS        | Tax Price 1           | As per DCT                  |
| 4      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | BWPS1        | Tax Price 2           | As per DCT                  |
| 5      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | VJBWS        | Tax Price 3           | As per DCT                  |
| 6      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | ABWKZ        | Devaluation Indicator | As per DCT (Leave it Blank) |
| 7      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | BWPRH        | Commercial price 1    | As per DCT                  |
| 8      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | BWPH1        | Commercial price 2    | As per DCT                  |
| 9      | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | VJBWH        | Commercial price 3    | As per DCT                  |
| 10     | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | XLIFO        | LIFO/FIFO relevant    | As per DCT (Leave it Blank) |
| 11     | Construct     | NA           | NA           | NA                 | S4HANA        | MBEW         | MYPOL        | LIFO/FIFO pool        | As per DCT (Leave it Blank) |

## Transformation Mapping

Below value mapping tables should be constructed in Syniti

| Mapping Table Name    | Mapping Table Description                                                       |
|-----------------------|---------------------------------------------------------------------------------|
| <b>Material</b>       | Mapping of Old vs New Material based on the Source MATNR number to target MATNR |
| <b>Valuation Area</b> | Mapping of legacy ECC valuation area to S4HANA valuation area                   |

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <b>Valuation Class</b> | 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      | Confirm on the extracted values                                                                                                               | Syniti/Data team |

## Pre-Load Validation

### Project Team

The Pre Load validations are performed by Project Team

### Completeness

| Task                                  | Action                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Generation of Pre-load reports</b> | <u>Mandatory field check.</u> <ul style="list-style-type: none"> <li>Material has a source Material number reference</li> <li>Material exists in MARA</li> <li>Material is having a Valuation Area(Plan) assigned</li> <li>Material is having a Valuation Class assigned</li> </ul>                                                                                 |
| <b>Record Count</b>                   | <u>Record Count</u><br>Confirm the record counts in preload summary report <ul style="list-style-type: none"> <li>Total Records:</li> <li>Valid Records:</li> <li>Invalid Records:</li> </ul>                                                                                                                                                                       |
| <b>Business Confirmation</b>          | Data team after the initial validation of Pre-Load validation based on the pre agreed validation checklist<br><br>To send the Pre-Load file to the Business Representatives for all plants/valuation area in scope for conversion<br><br>Business Representatives to validate the pre-load file<br><br>Agree with data team on the next steps for erroneous records |
| <b>Exception</b>                      | Establish exception rules and get approval, if applicable                                                                                                                                                                                                                                                                                                           |

### Accuracy

| Task                                              | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mandatory field mapping and transformation</b> | Obtain a list of the fields to be populated with values from mapping files and ensure all these fields contain S /4HANA values.<br><u>Mandatory field check.</u> <ul style="list-style-type: none"> <li>Material has a source Material number reference</li> <li>Material exists in MARA</li> <li>Material is having a Valuation Area(Plan) assigned</li> <li>Material is having a Valuation Class assigned</li> </ul> Review the data report to ensure mapping value is not missing in tool.<br>Capture errors in the Data Error report. |

|                                     |                                                                                                                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Integration/Reference checks</b> | Validate links to tables MARA, MARC, and valuation classes in T025                                                                                                                |
| <b>Business Value Checks</b>        | <ul style="list-style-type: none"> <li>Total Value (SALK3) must be &gt;0</li> </ul> (above checks are to be done for overall accounting and costing views of the material master) |
| <b>Records in Errors</b>            | 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. |

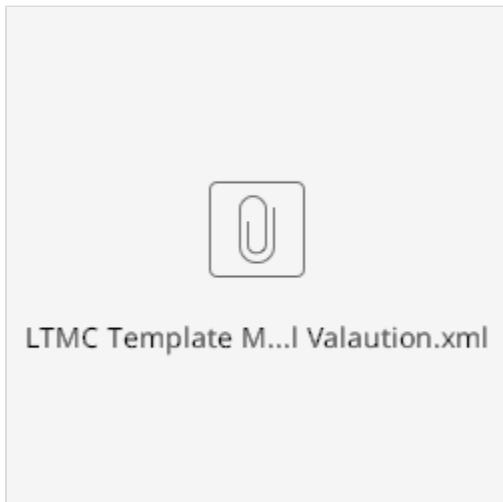
## Load

The load process includes:

1. The load process includes:
  - a. 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.
  - b. 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 Template

The LTMC template for Material Valuation



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           |
| 2012     | Material Master Accounting View 1    |
|          |                                      |

## 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

The following post-load validations will be performed by the Project Team.

### Completeness

| Task                           | Action                                                                                                                                                                                                        |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconciliation of Record Count | <u>Record Count</u> - Count and check how many records were loaded vs. Records in the load file (Each mock has it's own data record count)<br><br>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.<br><br>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.<br><br><u>Any</u> mismatch will be reported under the Post Load - Error report. |

## Business

The following post-load validations will be performed by the 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 |

### Accuracy

| Task         | Action                                                                      |
|--------------|-----------------------------------------------------------------------------|
| Field Checks | Check the prices for Tax or Commercial where applicable have been populated |
| Value Check  | Check values (Tax or commercial Price) from the preload and post load.      |
|              |                                                                             |

## Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Data Object 2014 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

## See also

# Change log

| Version         | Published           | Changed By             | Comment |
|-----------------|---------------------|------------------------|---------|
| CURRENT (v. 13) | Feb 24, 2026 15:51  | GANESAN-ext, Shivkumar |         |
| v. 12           | Feb 24, 2026 15:48  | GANESAN-ext, Shivkumar |         |
| v. 11           | Feb 04, 2026 19:42  | GANESAN-ext, Shivkumar |         |
| v. 10           | Oct 07, 2025 12:53  | BAJAJ-ext, Manoj       |         |
| v. 9            | Oct 03, 2025 13:46  | BAJAJ-ext, Manoj       |         |
| v. 8            | Oct 03, 2025 13:30  | BAJAJ-ext, Manoj       |         |
| v. 7            | Oct 03, 2025 08:33  | BAJAJ-ext, Manoj       |         |
| v. 6            | Oct 01, 2025 11:59  | GARCIA-ext, Angel Luis |         |
| v. 5            | Oct 01, 2025 11:26  | BAJAJ-ext, Manoj       |         |
| v. 4            | Sept 30, 2025 13:48 | BAJAJ-ext, Manoj       |         |

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# 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 <span>Approved</span> at 3:29 pm                  | v13     |
| Revision under Review             |  NAVANDAR-ext, Divya    | State | gave <i>Minor change</i> approval at 3:29 pm                       |         |
|                                   |                                                                                                            | State | changed state to <span>Revision under Review</span> at 3:29 pm     | v13     |
| Mar 18, 2026                      |                                                                                                            |       |                                                                    |         |
| Revision in Progress              | WENNINGER-ext, Sascha                                                                                      | State | changed state to <span>Revision in Progress</span> at 5:48 pm      | v13     |
| From Feb 04, 2026 to Feb 24, 2026 |                                                                                                            |       |                                                                    |         |
| Edited following Approval         |  GANESAN-ext, Shivkumar | Edit  | updated the page at 7:42 pm                                        |         |
|                                   |  GANESAN-ext, Shivkumar | State | changed state to <span>Edited following Approval</span> at 6:42 pm | v11     |