CNV-1060 EWM Product Master

Status	Approved
Owner	HASSAN-ext, Shamir
Stakeholders	

Purpose

The purpose of this conversion is to migrate and create **Extended Warehouse Management (EWM) Product Master data** in the S/4HANA EWM environment.

The **EWM Product Master** is an extension of the **Material Master**, providing **warehouse-specific attributes** that enable and control warehouse functionality and processes such as putaway, stock removal, replenishment, and physical inventory.

This conversion ensures that each product (material) within the warehouse has a corresponding EWM product master record, containing all relevant attributes aligned with the warehouse organization structure.

MDS DD-FUN-050 Master Data Standard_1060-EWM Product Master - Google Sheets

Conversion Scope

The scope of this conversion includes the creation of **EWM Product Master data** in S/4HANA, derived from existing **Material Master** and **WM-related configuration and data** in the legacy ECC system.

Because **legacy EWM Product Master data does not exist**, the conversion is **not a one-to-one migration** but rather a **data derivation and enrichment process**. The data will be constructed based on material master attributes and warehouse-specific logic defined during EWM design.

In Scope

- Creation of **EWM Product Master records** for all materials that are in scope for warehouse operations in S/4HANA.
- Population of key EWM product attributes including:
    - Warehouse Number
    - Putaway and Stock Removal Control Indicators
    - Storage Type Indicators
    - Handling Unit Type Assignments (where relevant)
    - Consolidation Group and Availability Group
    - Packaging Data and Unit of Measure Information
    - Product Grouping for Replenishment or Slotting (if applicable)
- Alignment of EWM Product Master data with **S/4HANA Material Master** and **EWM design configurations**.
- Upload of EWM Product Master data via **standard EWM transaction `/SCWM/MIG_PRODUCT`**

Out of Scope

- Non-warehouse relevant materials.

Additional Information

Multi-language Requirement

N/A

Document Management

N/A

Legal Requirement

N/A

Special Requirements

N/A

Target Design

The technical design of the target for this conversion approach.

Index	Technical Table-Field	Field Label	Description	Field Format	Allowed Values / Reference	Conditional Logic	Multi-language Field Requirements	Comments / Special Handling Notes	Requirement (R/O/C/S/NU)	Data Type & Length
1	/SAPAPO /MATLWH-MATID	Product ID	Product identifier within EWM	CHAR(22)	None	None	None	Derived from MARA-MATNR	R	Data type : CHAR Length : 22
2	/SAPAPO /MATLWH-ENTITLED_ID	Party Entitled to Dispose	Party responsible for stock ownership	RAW(16)	None	None	None	Linked to business partner data	R	Data type : RAW Length : 16
4	/SAPAPO /MATLWH-PTDETIND	Process Type Determination Indicator	Controls process type determination for product	CHAR(2)	/SCWM /TPTDETIND-PTDETIND	None	None	Drives task creation behavior	C	Data type : CHAR Length : 2
5	/SAPAPO /MATLWH-CCIND	Cycle Counting Indicator	Defines product classification for inventory counting	CHAR(1)	MARC-ABCIN	None	None	Maps ABC indicator to EWM	C	Data type : CHAR Length : 1
6	/SAPAPO /MATLWH-PUT_STRA	Putaway Control Indicator	Controls product putaway strategy	CHAR(4)	/SCWM /T305Q-PUT_STRA	None	None	Required for inbound processing	R	Data type : CHAR Length : 4
7	/SAPAPO /MATLWH-LGBKZ	Storage Section Indicator	Defines section search strategy	CHAR(4)	/SCWM/T304-LGBKZ	None	None	Used for bin search logic	C	Data type : CHAR Length : 4
8	/SAPAPO /MATLWH-LPTYP	Storage Bin Type	Defines type /classification of storage bin	CHAR(4)	/SCWM/T303-LPTYP	None	None	Impacts putaway and removal rules	C	Data type : CHAR Length : 4
9	/SAPAPO /MATLWH-BLOCK	Bulk Storage Indicator	Controls bulk storage putaway	CHAR(2)	/SCWM/T338-BLOCK	None	None	Used for bulk materials	C	Data type : CHAR Length : 2
10	/SAPAPO /MATLWH-REM_STRA	Stock Removal Control	Controls stock removal strategy	CHAR(4)	/SCWM /T305R-REM_STRA	None	None	Required for picking logic	R	Data type : CHAR Length : 4
11	/SAPAPO /MATLWH-STCKDETGR	Stock Determination Group	Determines stock group for picking	CHAR(2)	/SCWM /V_STCKDTGR-STCKDETGR	None	None	Used for batch-managed materials	C	Data type : CHAR Length : 2
12	/SAPAPO /MATLWH-DRDETGR	Staging Area Determination Group	Defines staging area determination	CHAR(4)	/SCWM /TDRDETGR-DRDETGR	None	None	Used for outbound staging	C	Data type : CHAR Length : 4
13	/SAPAPO /MATLWHST-LGTYTP	Storage Type	Storage space within warehouse	CHAR(4)	/SCWM/T331-LGTYP	None	None	Level-specific configuration	C	Data type : CHAR Length : 4
14	/SAPAPO /MATLWHST-SECTIND	Section Indicator	Section indicator at storage type level	CHAR(4)	/SCWM/T304-LGBKZ	None	None	Used for fine-tuning putaway	C	Data type : CHAR Length : 4
15	/SAPAPO /MATLWHST-BINTYPE	Bin Type	Bin type assignment for product	CHAR(4)	/SCWM/T303-LPTYP	None	None	Impacts replenishment logic	C	Data type : CHAR Length : 4
16	/SAPAPO /MATLWHST-REPQTY_DSP	Minimum Replenishment Qty	Minimum quantity for replenishment trigger	QUAN(15)	None	None	None	Maintained based on planning data	C	Data type : QUAN Length : 15
17	/SAPAPO /MATLWHST-REPQTY_UOM_DSP	Display UoM for Replenishment Qty	Unit of measure for replenishment quantity	UNIT(3)	MEINS	None	None	UoM from material master	C	Data type : UNIT Length : 3
18	/SAPAPO /MATLWHST-MINQTY_DSP	Minimum Qty	Minimum stock level in storage type	QUAN(15)	None	None	None	Used for replenishment logic	C	Data type : QUAN Length : 15
19	/SAPAPO /MATLWHST-MINQTY_UOM_DSP	Display UoM for Minimum Qty	UoM for minimum stock	UNIT(3)	MEINS	None	None	Derived from base UoM	C	Data type : UNIT Length : 3
20	/SAPAPO /MATLWHST-MAXQTY_DSP	Maximum Qty	Maximum allowed stock in storage type	QUAN(15)	None	None	None	Used for replenishment ceiling	C	Data type : QUAN Length : 15

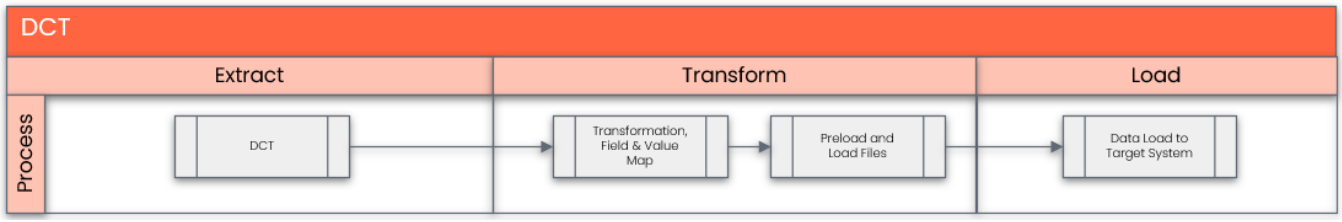
21	/SAPAPO /MATLWHST-MAXQTY_UOM _DSP	Display UoM for Maximum Qty	UoM for maximum stock	UNIT(3)	MEINS	None	None	Derived from base UoM	C	Data type : UNIT Length : 3
22	/SAPAPO /MATLWHST-QUANCLA	Quantity Classification	Classification for stock quantity	CHAR(1)	/SCWM /TQUANCLA-QUANCLA	None	None	Used for volume optimization	C	Data type : CHAR Length : 1
23	/SAPAPO /MATLWHST-QUANCLAPUT	Quantity Classificatio n (Putaway)	Classification for putaway quantity	CHAR(1)	/SCWM /TQUANCLA-QUANCLA	None	None	Impacts putaway bin search	C	Data type : CHAR Length : 1

Data Cleansing

The **EWM Product Master** data is being newly created as part of the S/4HANA EWM deployment. Since the legacy system (WM) does not contain equivalent warehouse-level product data, there is **no direct source data to cleanse**.

Conversion Process

The high-level process is represented by the diagram below:



The **EWM Product Master** will be created through a **Data Collection Template (DCT)**–based approach. Since no equivalent data exists in the legacy WM system, all records will be newly derived using material master data, EWM configuration, and approved mapping logic.

Process Steps

1. **Data Collection (DCT Preparation)**
    - Populate the DCT with all fields defined in the target design.
    - Each record represents a combination of **Product**, **Warehouse**, and **Party Entitled to Dispose**.
2. **Transformation & Value Mapping**
    - Apply transformation logic to derive warehouse-specific attributes
3. **Load to Target System**
    - Load the validated DCT using **standard transaction `/SCWM/MIG_PRODUCT`**.
    - The load will create EWM product master records for each product–warehouse–party combination.
    - Post-load validation will be performed using **transaction `/SCWM/MAT1`** to confirm completeness and accuracy.

Data Privacy and Sensitivity

N/A

Extraction

N/A

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for data with exception of some fields which require transformation as mentioned in the transformation rule.

The **Data Collection Template (DCT)** for the Product Master conversion applies to the **standard migration object MIG-PRODUCT**.
This object supports the upload of product master data into SAP EWM through the standard load process.

The MIG-PRODUCT DCT contains all fields required by the standard transaction. While the full set of columns must be maintained in the file for technical compatibility, **only the fields identified in the target design** are required to be populated with business data.

The **table below** maps these mandatory target design fields to their respective **DCT column identifiers** and provides the corresponding technical field descriptions. All other columns within the DCT are considered **optional or out of scope** and should remain blank unless explicitly required for load completeness or validation.

DCT Load File : DCT Product Master.csv

Column	DCT Field Name	Field Description	Target Design Field	Mandatory (Y/N)	Help Guide
A	EWM_LGNUM	Warehouse number	Warehouse number	**Y**	Identifies the EWM-managed warehouse where the product master settings apply. Enter the warehouse code configured in EWM
B	EWM_PRODNO	Product number	Product ID	**Y**	The material number for the product. Use the same number used in S/4HANA.
C	EWM_ENTITLED	Party entitled to dispose	Party Entitled to Dispose	**Y**	Who owns the product's stock. Choose the business partner that is responsible for the goods.
D	PROCPRFL	-	-	N	
E	PTDETIND	Process type determination indicator	Process Type Determination Indicator	**Y**	Helps the system understand how the product should move in the warehouse (how to put away, pick, replenish). Choose the indicator that determines the correct warehouse process type
F	WRKLDGR	—	—	N	
G	DRDETGR	Staging area determination group	Staging Area Determination Group	**Y**	Tells the system where to stage the product when preparing for production or shipping. Choose the group that aligns with how your warehouse stages materials.
H	VASVCP	—	—	N	
I	SLRQ_MIN	—	—	N	
J	PUT_STRA	Put away control indicator	Putaway Control Indicator	**Y**	Determines putaway rules such as storage type search sequence, bin selection logic, and strategies. Enter the indicator driving how the material should be put away.
K	PUT_STRA_FIX	—	—	N	
L	PUT_STRA_PLAN	—	—	N	
M	LGBKZ	Storage section indicator	Storage section indicator	**Y**	Classifies the product for section determination within a storage type (e.g., fast-mover, slow-mover, hazardous). Enter the indicator that matches product characteristics.
N	LPTYP	Storage Bin Type	Storage Type	**Y**	Specifies which bin types the product can be stored in. Restricts putaway to compatible bin types only. Enter the allowed bin type (e.g., STD, PALLET, SMALLBIN).
O	BLOCK	Bulk Storage Indicator	Bulk Storage Indicator	**Y**	Indicates whether the product is eligible to be stored in bulk storage types. Enter the indicator if the product supports bulk/loose storage logic.
P	REM_STRA	Stock removal control indicator	Stock Removal Control	**Y**	Determines how stock is removed (FIFO, LIFO, string, partial pallet, etc.). Enter based on outbound picking strategy or expiration logic.
Q	REM_STRA_FIX	—	—	N	
R	REM_STRA_PLAN	—	—	N	
S	STCKDETGR	Stock determination group	Stock Determination Group	**Y**	Groups materials for stock determination rules (e.g., by ownership, quality, batch, special indicators). Enter if special stock determination is used in WH operations
T	L2SKR	—	—	N	
U	DEMQTY	—	—	N	
V	DEMQTY_FIX	—	—	N	

W	NOSOI	—	—	N	
X	NOSOI_FIX	—	—	N	
Y	RSQTY	—	—	N	
Z	RSQTY_FIX	—	—	N	
AA	DEMTYP	—	—	N	
AB	CONCSTAT	—	—	N	
AC	LASTSLOT	—	—	N	
AD	WGHTIND	—	—	N	
AE	WGHTIND_FIX	—	—	N	
AF	VOLIND	—	—	N	
AG	VOLIND_FIX	—	—	N	
AH	LGTHIND	—	—	N	
AI	LGTHIND_FIX	—	—	N	
AJ	WDTHIND	—	—	N	
AK	WDTHIND_FIX	—	—	N	
AL	HGHTIND	—	—	N	
AM	HGHTIND_FIX	—	—	N	
AN	CCIND	Cycle counting indicator	Cycle Counting Indicator	**Y**	Indicates how frequently the product requires inventory counting (A/B/C classification). Enter according to physical inventory policy.
AO	CCIND_FIX	—	—	N	
AP	DOCBATCH	—	—	N	
AQ	BACKFLUSH_PROD	—	—	N	
AR	KIT_FIXED_QUAN	—	—	N	
AS	MEDI_APROF_WH	—	—	N	
AT	QUANCLA_MERCH	—	—	N	
AU	PUOM_WH	—	—	N	
AV	KZZUL	—	—	N	
AW	RATIODIM	—	—	N	
AX	QGRP_WH	—	—	N	
AY	EWM_LGTYP	Storage type	Storage Type	**Y**	Defines the storage type(s) where the product is allowed for putaway. Required for type-specific product settings. Enter the relevant storage type code.
AZ	FIXBIN	—	—	N	
BA	SECTIND	Storage section indicator	Storage Section Indicator	**Y**	Defines the planned storage section during initial storage type determination. Used in planning tools and simulation. Enter the theoretical or default section.
BB	SECTIND_FIX	—	—	N	

BC	SECTIND_PLAN	Section indicator (planned)	Section Indicator	**Y**	Defines the planned storage section during initial storage type determination. Used in planning tools and simulation. Enter the theoretical or default section. (Planned)
BD	BINTYPE	Bin type	Bin Type	**Y**	Specifies which planned bin type the material is initially expected to use during design or simulation of warehouse layout. Enter the planning-level bin type.
BE	BINTYPE_FIX	—	—	N	
BF	BINTYPE_PLAN	Bin type (planned)	Bin Type	**Y**	Specifies which planned bin type the material is initially expected to use during design or simulation of warehouse layout. Enter the planning-level bin type. (Planned)
BG	MAXFIXBIN	—	—	N	
BH	MAXFIXBIN_FIX	—	—	N	
BI	MAXFIXBIN_PLAN	—	—	N	
BJ	MAXQTY	Maximum quantity	Maximum Qty	**Y**	The maximum quantity of the product that can be stored in a single bin. Enter based on physical bin capacity and packaging.
BK	MAXQTY_PLAN	—	—	N	
BL	MAXQTY_UOM_DSP	Display UoM for maximum quantity	Display Unit of Measure for Maximum Qty	**Y**	Unit of measure in which the maximum quantity is defined (e.g., EA, KG, L). Enter the UoM matching the max quantity value.
BM	MINQTY	Minimum replenishment quantity	Minimum Replenishment Qty	**Y**	At or below this quantity, the system will trigger replenishment. Enter the threshold level that initiates replenishment tasks.
BN	MINQTY_PLAN	Minimum quantity	Minimum Qty	**Y**	At or below this quantity, the system will trigger replenishment. Enter the threshold level that initiates replenishment tasks.
BO	MINQTY_UOM_DSP	Display UoM for minimum quantity	Display Unit of Measure for Minimum Qty	**Y**	Unit of measure used for the minimum quantity value. Enter the UoM (EA, KG).
BP	REPQTY	Replenishment quantity	Minimum Replenishment Qty	**Y**	Defines how the system classifies quantity during putaway (e.g., full pallet putaway vs. mixed cases). Enter according to inbound strategy.
BQ	REPQTY_PLAN	—	—	N	
BR	REPQTY_UOM_DSP	Display UoM for replenishment quantity	Display Unit of Measure for Replenishment Qty	**Y**	Unit of measure used for the replenishment quantity.
BS	RMMQTY_FIX	—	—	N	
BT	PERMXQTY	—	—	N	
BU	SPLITTH	—	—	N	
BV	SPLITPUT	—	—	N	
BW	NORPLN	—	—	N	
BX	BINSRCH	—	—	N	
BY	QUANCLA	Quantity classification	Quantity Classification	**Y**	Classifies the quantity behavior for the product (e.g., full pallet, case-pick, piece-pick). Impacts picking and replenishment decisions. Enter the classification used operationally.
BZ	QUANCLAPUT	Quantity classification for putaway	Quantity Classification for Putaway	**Y**	Defines how the system classifies quantity during putaway (e.g., full pallet putaway vs. mixed cases). Enter according to inbound strategy.
CA	SEQPUT	—	—	N	
CB	SEQPUT_FIX	—	—	N	
CC	SEQPUT_PLAN	—	—	N	
CD	SKIPPTW	—	—	N	
CE	SKIPPTW_FIX	—	—	N	

CF	SKIPPTW_PLAN	—	—	N	

Extraction Dependencies

N/A

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 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
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

All EWM Product Master fields are directly mapped from the **Data Collection Template (DCT)** to the target EWM tables.
No transformation, enrichment, or lookup logic is applied.
Each field below is a **direct copy** from the corresponding column in the DCT.

Transformation Rules

Source (DCT Field)	Target Field (Technical Name)	Field Label / Description	Transformation Logic
EWM_PRODNO	/SAPAPO/MATLWH-MATID	Product ID	Copy
EWM_ENTITLED	/SAPAPO/MATLWH-ENTITLED_ID	Party Entitled to Dispose	Copy
PTDETIND	/SAPAPO/MATLWH-PTDETIND	Process Type Determination Indicator	Copy
CCIND	/SAPAPO/MATLWH-CCIND	Cycle Counting Indicator	Copy
PUT_STRA	/SAPAPO/MATLWH-PUT_STRA	Putaway Control Indicator	Copy
LGBKZ	/SAPAPO/MATLWH-LGBKZ	Storage Section Indicator	Copy
LPTYP	/SAPAPO/MATLWH-LPTYP	Storage Bin Type	Copy
BLOCK	/SAPAPO/MATLWH-BLOCK	Bulk Storage Indicator	Copy
REM_STRA	/SAPAPO/MATLWH-REM_STRA	Stock Removal Control	Copy
STCKDETGR	/SAPAPO/MATLWH-STCKDETGR	Stock Determination Group	Copy
DRDETGR	/SAPAPO/MATLWH-DRDETGR	Staging Area Determination Group	Copy
EWM_LGTYP	/SAPAPO/MATLWHST-LGTYTP	Storage Type	Copy
SECTIND	/SAPAPO/MATLWHST-SECTIND	Section Indicator	Copy
BINTYPE	/SAPAPO/MATLWHST-BINTYPE	Bin Type	Copy
REPQTY	/SAPAPO/MATLWHST-REPQTY_DSP	Minimum Replenishment Quantity	Copy
REPQTY_UOM_DSP	/SAPAPO/MATLWHST-REPQTY_UOM_DSP	Display Unit of Measure for Replenishment Qty	Copy
MINQTY	/SAPAPO/MATLWHST-MINQTY_DSP	Minimum Quantity	Copy
MINQTY_UOM_DSP	/SAPAPO/MATLWHST-MINQTY_UOM_DSP	Display Unit of Measure for Minimum Qty	Copy
MAXQTY	/SAPAPO/MATLWHST-MAXQTY_DSP	Maximum Quantity	Copy
MAXQTY_UOM_DSP	/SAPAPO/MATLWHST-MAXQTY_UOM_DSP	Display Unit of Measure for Maximum Qty	Copy
QUANCLA	/SAPAPO/MATLWHST-QUANCLA	Quantity Classification	Copy
QUANCLAPUT	/SAPAPO/MATLWHST-QUANCLAPUT	Quantity Classification for Putaway	Copy

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Capture the data for packaging specifications in DCT. Review and correct any errors if bulk uploading data via downloaded excel DCT template.	Business team
2	Ensure the mapping tables which are needed during transformation have been reviewed and signed off by business.	Business team, Data Team (SCM)
3	Obtain DCT Sign-off from Business	Data Team (SCM)
4	Generate Pre-Load reports	Data Team (Syniti)
5	Review and Validate Error and Preload Reports	Data Team (SCM)
6	Log errors as defects, if any and address resolutions.	Data Team (SCM)
7	Re-transform and re-validate the Pre-load reports if necessary.	Data Team (SCM), Data Team (Syniti)
8	Obtain preload validation sign-off from Business	Business + Functional (SCM) + Data Team (SCM)
9	Generate Load Files	Data Team (Syniti)

Pre-Load Validation

Project Team

Completeness

Task	Action
Check Values	Validate the pre-load data confirming the values are aligned with target system format
Validate template structure and required field population	Ensure mandatory fields are filled
Verify Record Count	SCM Data Team to verify that the total number of relevant records from the DCT is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	SCM Data Team to verify that all fields below meet pass the checks: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks
Perform format validation (date, currency, decimal separators)	Standardize format to match SAP accepted input (e.g., YYYYMMDD for dates), cubic volume, weight etc
Review Error Reports	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.
Conduct dry runs using LTMC or BAPIs and review logs	Analyze load results and correct format or conversion errors

Business

Completeness

Task	Action
Verify Record Count	Business Data Owner/s to verify that the total number of relevant records from the the DCT is equal to the total number of records in the Preload validation file.

Accuracy

Task	Action
Conversion Accuracy	Business Data Owner/s to verify that all the data in the preload validation file is accurate as per endorsed transformation /mapping rules (and signed-off DCT data). Review error reports in tool for any mismatch or missing transformed values.

Load

The load process includes:

1. Execute the automated data load into target system using load tool or product the load file if the load must be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Load Run Sheet

Step	Activity	Responsible Team
1	Ensure the load tools (e.g., conversion templates, migration objects) are transported into the correct system/instance.	Data Team (SCM)
2	Ensure Pre-load sign-offs are obtained from relevant stakeholders.	Data Team (SCM)
3	Execute upload of the DCT directly using **standard transaction `/SCWM/MIG_Product`**	Data Team (SCM)
4	Validate a few records by accessing standard S/4HANA transactions to ensure data accuracy.	Data Team (SCM)
5	Generate post-load reports from the tool to confirm successful uploads.	Data Team (SCM), Data Team (Syniti)
6	Log any errors as defects; address and resolve issues. Close defects after resolution.	Data Team (SCM)
7	If defects were corrected, re-upload the affected data and regenerate post-load reports as required.	Data Team (SCM), Data Team (Syniti)
8	Business team to validate post-load files, raise data defects if any, or provide post-load sign-off.	Business Team
9	Repeat post-load report generation and defect resolution (Steps 5–7) if necessary.	Data Team (SCM), Data Team (Syniti)

Load Phase and Dependencies

Configuration

Conversion Objects

Error Handling

Error Type	Description	Probable Cause	Suggested Resolution
Configuration Error	Invalid or missing EWM configuration required for product master upload	Required configuration (e.g., Supply Chain Unit, Storage Type, Bin Type, Stock Determination Groups) missing or inactive in target system	Ensure all prerequisite configuration exists and is active in the target system
Formatting Error	Key fields such as Product ID, Party Entitled to Dispose, Supply Chain Unit incorrectly formatted	Data in DCT does not match SAP field specifications (length, numeric vs. alphanumeric, UoM mismatch)	Correct DCT formatting; verify units of measure, numeric fields, and field lengths against SAP master data
Authorization Error	Lack of access to execute MIG-PRODUCT load or modify product master	Executing user lacks roles/authorizations in target client	Assign required SAP roles to executing user; validate access in target client
Transformation Miss	Mandatory transformation logic not applied before load	Any required transformation missing (though for Product Master, mostly direct copy)	Ensure all mandatory fields per target design are populated correctly; verify DCT field-to-field mapping
Technical Load Failure	DCT file not processed due to syntax error or system issue	System downtime, incorrect file encoding, missing headers, or temporary SAP error	Verify DCT integrity (CSV or Excel format), correct syntax issues, and re-execute upload; check logs of MIG-PRODUCT execution
Data Inconsistency	Missing or invalid references in the DCT	Product IDs, PACI, Storage Types, SRCI etc., do not exist in target EWM/S/4HANA	Validate that all master data exists in target system; correct DCT references
Duplicate Entry	Product ID already exists in target system	Same product uploaded previously or duplicate records in DCT	Remove duplicates from DCT or adjust product entries before re-upload
Missing Mandatory Field	Required DCT field not populated	Mandatory fields such as Product ID, Party Entitled to Dispose, Supply Chain Unit, Putaway Control Indicator, Min /Max/Rep Qty, Quantity Classification are blank	Populate all mandatory fields per mapping table; validate before upload
Unit / Quantity Errors	Min/Max quantities, replenishment qty, or unit of measure inconsistent	Incorrect numeric values, inconsistent quantity/UoM, or invalid classification	Verify all quantity fields, units of measure, and classification codes; ensure consistency with target system

Post-Load Validation

Project Team

Completeness

Run Fiori app/tcode to check loaded data in SAP	Run /scwm/mat1 transaction to check if data has been loaded
Compare uploaded data against source file values	Use Custom reconciliation tools e.g. SQL Server or Excel based comparison tools to validate the number of records loaded against the load file record volume

Accuracy

Task	Action
Compare uploaded data against source file values	Use automated postload validation report or standard reports from S/4 HANA to validate field by field value match across all loaded records

Business

Completeness

Task	Action
Verify Count	Download Postload validation reports from Syniti and verify that the record count loaded in the target S/4 HANA is the same count as of the endorsed load file
Review loaded Transportation lanes	Access the S/4HANA system to view loaded packaging specification

Accuracy

Task	Action
Compare Against Approved Load File	Cross-check data in S/4HANA against the final business-approved load file used for migration
Validate Accuracy of Converted/Transformed Data	Review any transformed fields (e.g., business partner number) for correctness
Log and Report Discrepancies	Use provided discrepancy log format or defect management tool to report any findings

Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- EWM Product Master is in scope based on data design and any exception requested by business.
- Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules.
- The list of validation checks in transformation section is not exhaustive and may change over time as the design and configuration of the system evolves.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 13)	**Nov 26, 2025 09:30**	**HASSAN-ext, Shamir**	
v. 12	Nov 26, 2025 09:15	**HASSAN-ext, Shamir**	
v. 11	Nov 25, 2025 13:38	**HASSAN-ext, Shamir**	
v. 10	Nov 25, 2025 13:35	**HASSAN-ext, Shamir**	
v. 9	Nov 20, 2025 14:24	**HASSAN-ext, Shamir**	
v. 8	Nov 20, 2025 14:22	**HASSAN-ext, Shamir**	
v. 7	Nov 17, 2025 21:41	**HASSAN-ext, Shamir**	
v. 6	Nov 17, 2025 21:37	**HASSAN-ext, Shamir**	
v. 5	Nov 05, 2025 07:51	**HASSAN-ext, Shamir**	
v. 4	Nov 04, 2025 14:45	**HASSAN-ext, Shamir**	

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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 17, 2026	Actor	Type	Activity	Version
Approved	TAN-ext, Charmaine	State	changed state to Approved at 8:21 am (State override) *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	v13
Lead Approval	TAN-ext, Charmaine	State	gave *Minor change* approval at 8:21 am *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	
Feb 27, 2026				
	MCARDLE-ext, Edward	State	changed expiry date to '06 Mar, 2026 04:16 pm' at 4:17 pm	
		State	changed state to Lead Approval at 4:16 pm	v13
Edited following Tech Review	MCARDLE-ext, Edward	State	gave *Minor change* approval at 4:16 pm	
From Nov 17, 2025 to Nov 26, 2025				
	HASSAN-ext, Shamir	Edit	updated the page at 9:37 pm	