

# Curitiba SC

Status	
Owner	HANCOCK-ext, John BUOSI-ext, Angelo
Stakeholders	

## Purpose

The purpose of this document is to define the conversion approach to create in S/4 HANA.

Link to MDS

<https://docs.google.com/spreadsheets/d/1TgwpSzkWdvKLDVwew81ltuhuHr6ETBg8/edit?usp=sharing&ouid=107239989344593412774&rtpof=true&sd=true>

## Conversion Scope

The scope of this document covers the approach for converting active Materials - Additional Data from Legacy Source Systems into S/4HANA following the Materials Master Data Design Standard.

From the current system landscape, Material data exists separately in the legacy systems (PF2 and WP2), with potential discrepancies in both organizations. Harmonization and validation are required to ensure accurate and consolidated data in S/4HANA. While PF2 and WP2 serve as source systems, extensive mapping and transformation logic will be necessary to produce properly formatted load templates in line with the target design.

## Relevancy Rules

This object is migrated after Material Basic Data, therefore only materials in scope for object '2019 - Materials Basic Data View' are in scope for this object. Click [CNV-2019 Materials - Basic Data View](#) to go to the Conversion Spec for 2019 to see the full set of relevancy rules.

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2,WP2	<p>The Material Master Records (Additional Data) will be extracted/collected via DCT. An initial extract of the relevant data will be provided in Google Sheet format to assist business in decision making on including any relevant data from Source Systems.</p> <p>Any additional data that need to be created to support the new design may be added in the DCT.</p> <p>A data review and standardization will be done across all Info Records in the DCT.</p>	700,000	S4H	300,000

## Additional Information

### Multi-language Requirement

Multi language is supported for Materials - PO Text. Login via a different language will show the description displayed in the logon language if the language key is maintained.

The following languages are allowed:

- Core languages: EN - English, FR - French, IT - Italian and ZH - Mandarin.
- Additional languages: PT - Brazilian Portuguese, DE - German, ES - Spanish, ~~TH - Thai~~ (descope by CR0086).
- Supplier languages that are possible: FR - French, EN - English, ES - Spanish, DE - German, IT - Italian, NL - Dutch, PT - Brazil Portuguese, ZH - Mandarin, PL - Polish, JA - Japanese, KO - Korean, FI - Finnish, BG - Bulgarian, RU - Russian, TH- Thai, ZF - Chinese traditional.
- Z9 is a generic language code and will be excluded from any extractions

### Document Management

Not Applicable

### Legal Requirement

Not Applicable

### Special Requirements

Not Applicable

# Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
MARA	MATNR		Material Number	Automatic	40	Mandatory
MARM	MEINH		Alternative Unit of Measure (ISO Format)	CHAR	3	Conditional
MARM	UMREN		Denominator for Conversion to Base Unit	DEC	5	Conditional
MARM	UMREZ		Numerator for Conversion to Base Unit	DEC	5	Conditional
MARA	MEINS		Base Unit of Measure	CHAR	3	Automatic
MARM	EAN11		GTIN	CHAR	18	Conditional
MARM	NUMTP		GTIN Category	CHAR	2	Conditional
MARM	LAENG		Length	QUAN	13,3	Conditional
MARM	BREIT		Width	QUAN	13,3	Conditional
MARM	HOEHE		Height	QUAN	13,3	Conditional
MARM	MEABM		Unit for Length/Width/Height(ISO Format)	CHAR	3	Conditional
MARM	BRGEW		Gross Weight	QUAN	13,3	Conditional
MARM	NTGEW		Net Weight (derived)	QUAN	13,3	Automatic
MARM	GEWEI		Unit of Weight (ISO Format)	CHAR	3	Conditional
MARM	VOLUM		Volume	QUAN	13,3	Conditional
MARM	VOLEH		Volume Unit (ISO Format)	CHAR	3	Conditional
T002T	SPTXT		Language Key	CHAR	2	Conditional
STXL	CLUSTD		Long Text (Text ID: GRUN)	CHAR	132	Conditional
T002T	SPTXT		Language Key	CHAR	2	Conditional
STXL	CLUSTD		Long Text (Text ID: IVER)	CHAR	132	Conditional

## Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
2021-001	C1	UoM alignment	All material AUoMs to adhere to S4 standardization, refer to UoM mapping table TBA		PF2/WP2
2021-002	C1	Additional Descriptions	Material descriptions must adhere to S4 standardization so no special characters etc and must not exceed character limit. Refer to 'Informal Words' document:		PF2/WP2
2021-003	C1	Language	Check that all language ID's match the text. Eg. EN description contains English text.		PF2/WP2

## Conversion Process

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

? Unknown Attachment

## Data Privacy and Sensitivity

Not Applicable

## Extraction

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
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1	Extract data from source system based on relevancy rule	SyWay Data Team
2	Google Sheet report pre-populated with PF2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team

## Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
Not Applicable				

## Data Collection Template (DCT)

Field Name	Field Description	Rule
Not Applicable		

MARA	MATNR	CHAR	18	Material Number	mandatory for sheet	Product Number* A key that uniquely identifies the product.
MARM	MEINH			Material Number	mandatory for sheet	
MARM	UMREN			Alternative Unit of Measure (ISO Format)	mandatory for sheet	
MARM	UMREZ			Denominator for Conversion to Base Unit	mandatory for sheet	
MARA	MEINS			Numerator for Conversion to Base Unit		
MARM	EAN11			Base Unit of Measure		
MARM	NUMTP			GTIN		
MARM	LAENG			GTIN Category		
MARM	BREIT			Length		
MARM	HOEHE			Width		
MARM	MEABM			Height		
MARM	BRGEW			Unit for Length/Width/Height (ISO Format)		
MARM	NTGEW			Gross Weight		
MARM	GEWEI			Net Weight (derived)		
MARM	VOLUM			Unit of Weight (ISO Format)		
MARM	VOLEH			Volume		
				Volume Unit (ISO Format)		
				Language Key		
				Long Text (Text ID: GRUN)		
				Language Key		
				Long Text (Text ID: IVER)		
MARM	MATNR	CHAR	18	Material number	mandatory for sheet	
MARM	MEINH	UNIT	3	Alternative unit of measure	mandatory for sheet	
MARM	UMREZ	NUMC	5	Numerator for conversion to base units	mandatory for sheet	
MARM	UMREN	NUMC	5	Denominator for conversion to base units	mandatory for sheet	
MARM	EAN11	CHAR	18	International Article Number (EAN/UPC)		
MARM	NUMTP	CHAR	2	EAN category		
MARM	LAEDA	DATS	8	Date of last change		
MARM	AENNR	CHAR	12	Change number		
MARM	MEABM	UNIT	3	Unit of measure usage		



Table Name	Field Name	Field Type	Field Length	Field Description		
MAKT	MATNR	CHAR	18	Product Number	mandatory for sheet	
MAKT	SPRAS	LANG	1	Language Key	mandatory for sheet	
MAKT	MAKTX	CHAR	40	Product Description	mandatory for sheet	

MAKT - Material Descriptions (short/long material text per language)						
MAKT	MATERIAL	Text	80	Material Number	mandatory for sheet	Product Number* A key that uniquely identifies the product.
MAKT	SPRAS	Text	80	Language Key	mandatory for sheet	Language Key* The language key indicates - the language in which texts are displayed, - the language in which you enter texts, - the language in which the system prints texts.
MAKT	MAKTX	Text	40	Product Description	mandatory for sheet	Product Description* Text that describes the product in more detail. Note: You can maintain additional descriptions (for languages other than those provided on the 'Basic Data' sheet).

## Extraction Dependencies

Item #	Step Description	Team Responsible
1	Loading Material Master Basic Data is required before Additional data is loaded	Cutover

## 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 ADMM 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 ADMM
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	Verify that data is extracted and merged.	Syniti/S2P
2	Transformation jobs are ready for execution.	Syniti

## Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
001	PF2/WP2	MARM	MATNR	Material Number	S/4HANA	MARM	MATNR	Material Number	Generate new Material number in Target System and maintain mapping in reference table
002	PF2/WP2	MARM	MEINH	Alternative Unit of Measure (ISO Format)	S/4HANA	MARM	MEINH	Alternative Unit of Measure (ISO Format)	Copy from source to target system
003	PF2/WP2	MARM	UMREN	Denominator for Conversion to Base Unit	S/4HANA	MARM	UMREN	Denominator for Conversion to Base Unit	Copy from source to target system
004	PF2/WP2	MARM	UMREZ	Numerator for Conversion to Base Unit	S/4HANA	MARM	UMREZ	Numerator for Conversion to Base Unit	Copy from source to target system

005	PF2/WP2	MARM	EAN11	GTIN	S/4HANA	MARM	EAN11	GTIN	Copy from source to target system
006	PF2/WP2	MARM	NUMTP	GTIN Category	S/4HANA	MARM	NUMTP	GTIN Category	Copy from source to target system
007	PF2/WP2	MARM	LAENG	Length	S/4HANA	MARM	LAENG	Length	Copy from source to target system
008	PF2/WP2	MARM	BREIT	Width	S/4HANA	MARM	BREIT	Width	Copy from source to target system
009	PF2/WP2	MARM	HOEHE	Height	S/4HANA	MARM	HOEHE	Height	Copy from source to target system
010	PF2/WP2	MARM	MEABM	Unit for Length/Width/Height(ISO Format)	S/4HANA	MARM	MEABM	Unit for Length/Width/Height(ISO Format)	Copy from source to target system
011	PF2/WP2	MARM	BRGEW	Gross Weight	S/4HANA	MARM	BRGEW	Gross Weight	Copy from source to target system
012	PF2/WP2	MARM	GEWEI	Unit of Weight (ISO Format)	S/4HANA	MARM	GEWEI	Unit of Weight (ISO Format)	Copy from source to target system
013	PF2/WP2	MARM	VOLUM	Volume	S/4HANA	MARM	VOLUM	Volume	Copy from source to target system
014	PF2/WP2	MARM	VOLEH	Volume Unit (ISO Format)	S/4HANA	MARM	VOLEH	Volume Unit (ISO Format)	Copy from source to target system
015	PF2/WP2	MARM	MAKTX	Description	S/4HANA	MARM	MAKTX	Description	Copy additional descriptions in multiple languages from source to target system
016	PF2/WP2	MARM	SPRAS	Language Key	S/4HANA	MARM	SPRAS	Language Key	Copy from source to target system

## Transformation Mapping

Mapping Table Name	Mapping Table Description
Material	XREF

## Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
Not Applicable		

## Pre-Load Validation

### Project Team

### Completeness

Task	Action
Verify Record Count	The number of records presented after relevancy checks and validation needs to be correct compared to the staged data in Migrate.

### Accuracy

Task	Action
Conversion Accuracy	Data team to verify that the data staged in the preload tables are correct in terms of the mapping rules. This will be done via Syniti DSP reports.

## Business

### Completeness

Task	Action
Count and Completeness check	All fields required as per mapping template rules must be completed. Validity reports checking each field in ADMM must be built to help check.

### Accuracy

Task	Action
Conversion Accuracy	Business team to verify that the data staged in the preload tables are correct in terms of the mapping rules. This will be done via Syniti ADMM reports/SAP reports

## 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

Item #	Step Description	Team Responsible
1	Verify data extracted	Data Specialist/Functional - S2P
2	Verify data merged	Data Specialist/Functional - S2P
3	Verify Material XREF is ready	Data Specialist/Functional - S2P
4	Release - Load signoff and go-ahead by Functional/Data Owner	Functional/Data Owner - S2P
5	Approval to stage/Pre-stage steps	Functional/Data Owner - S2P
6	Extraction from source	Developer - Syniti or Data Specialist - S2P
7	Extraction from S4 where needed	Developer - Syniti or Data Specialist - S2P
8	Stage data for transformations	Developer - Syniti or Data Specialist - S2P
9	Run transforms	Developer - Syniti or Data Specialist - S2P
10	Execute pre-load report	Data Specialist/Functional - S2P
11	Validate preload report - release	Data Specialist/Functional - S2P
12	Prepare and simulate	Data Specialist - S2P
13	Pre-load verification and approval to load	Functional/Data Owner - S2P
14	Load to S4	Data Specialist - S2P
15	Complete Jira steps, Volumes and Timings	All - where applicable
16	Execute post-load report	Developer - Syniti or Data Specialist - S2P
17	Post-load report verification/validation	Data Specialist/Functional/Data Owner - S2P
18	Object load completion approval	Data Owner - S2P

## Load Phase and Dependencies

### Configuration

Item #	Configuration Item
Not Applicable	

### Conversion Objects

Object #	Preceding Object Conversion Approach
1	Material Master - Basic View (2019)

### Error Handling

Error Type	Error Description	Action Taken
Data	Language errors	Fix incorrect data
Data	Duplicates	Fix incorrect data

## Post-Load Validation

### Project Team

## Post-Load Step

Step Description	Team Responsible
Execute post-load report	Developer - Syniti or Data Specialist - S2P
Post-load report verification/validation	Data Specialist/Functional/Data Owner - S2P
Object load completion approval	Data Owner - S2P

## Completeness

### Completeness

Task	Action
Execute post-load report	Developer - Syniti or Data Specialist - S2P
Post-load report verification/validation	Data Specialist/Functional/Data Owner - S2P
Object load completion approval	Data Owner - S2P

## Accuracy

Task	Action
Verify count	The number of records presented in the preload needs to be compared to the post-load. – Syniti report
Field by field check	Compare source data to target data.

## Business

### Completeness

Task	Action
Verify Count	The number of records presented in the preload needs to be compared to the post-load Syniti report.
Missing data	Check missing data which was supposed to be loaded.
Reconciliation	Participate in Post-load walkthroughs.

## Accuracy

Task	Action
Conversion Accuracy	Business team to verify that the data staged in the preload tables are correct in terms of the mapping rules. This will be done via Syniti /SAP reports.

## Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Materials - Additional Data is in scope based on data design and any exception requested by business.

## See also

## Change log

Version	Published	Changed By	Comment
<b>CURRENT (v. 24)</b>	<b>Aug 13, 2019 17:30</b>	<b>PAULO VITOR ROCHA BASTOS</b>	
v. 23	Aug 13, 2019 16:02	PAULO VITOR ROCHA BASTOS	
v. 22	Aug 13, 2019 15:52	PAULO VITOR ROCHA BASTOS	
v. 21	Aug 13, 2019 15:44	PAULO VITOR ROCHA BASTOS	

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v. 20	Aug 13, 2019 15:22	<a href="#">PAULO VITOR ROCHA BASTOS</a>
v. 19	Aug 12, 2019 16:15	<a href="#">Andre Nunes</a>
v. 18	Aug 08, 2019 23:18	<a href="#">PAULO VITOR ROCHA BASTOS</a>
v. 17	Aug 08, 2019 23:07	<a href="#">PAULO VITOR ROCHA BASTOS</a>
v. 16	Jul 29, 2019 15:11	<a href="#">Inês Santos</a>
v. 15	Jul 29, 2019 15:02	<a href="#">Inês Santos</a>

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## Workflow history

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

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