

ERP-1044: DDFS - R2R - Record to Report

Status	Approved
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Stakeholders	

Purpose

The purpose of this document is to define the conversion approach to upload data in S/4 HANA. This file is aligned with the [Conversion Specification Guidelines](#)

---CHECKLIST - DATA TEAM---

- 1) Legacy systems (Logical Source and Target Systems are identified)
- 2) Extraction methods and file types
- 3) Scope relevancy criteria
- 4) Target structure/ Rules
- 5) MDS links
- 6) Cleansing rules
 - 6a) Cleansing reports with technical information
 - 6b) Profiling
 - 6c) Cleansing reports which you need to be developed by Syniti
 - 6d) Deduplication (with technical details of Table-Fields, Conditions)
 - 6e) Frequency of running reports
- 7) Transformation - and for this DOMD template must be populate and final version of DOMD template should be copied to Transformation section in CSpecs
- 8) Configuration/Value mapping file link
- 9) Value Mappings (Data Mapping is provided for mappings which are not obvious to a suitably-skilled and experienced developer)
- 10) Load template link
- 11) Loading method (Processing Type is specified, i.e. Direct Input, BAPI, IDoc, Web Service, OData API, etc.)
- 12) Loading sequence or dependency
- 13) Error handling requirements are specified / including alerting requirement / expected action on failure.
- 13) Data Analysis
- 14) Pre load validation
- 15) Post load validation
- 16) any Exceptions (Data Mapping is provided for mappings which are not obvious to a suitably-skilled and experienced developer)
- 17) Application log requirement if applicable to be specified.
- 18) Signoff

Conversion Scope

The scope of this document covers the approach for converting active Purchasing Info Records and Purchasing Conditions from legacy SAP ECC systems (PF2, WP2) into SAP S/4HANA, following the Procurement Master Data Design Standard.

For Syensqo, Info Records will be migrated to support operational purchasing, sourcing strategies, and integration with Ariba. These records will be validated, cleansed, and created centrally using the defined template and mapped fields.

From the current system landscape, Info Record data exists separately in the legacy systems (PF2 and WP2), with potential discrepancies in vendors, materials, pricing conditions. 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.

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
QF2	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.	Info Records >>>26.161 (EINA) Info Records >>> 34.844 (EINE) Services >>> 9.821 (PF2. ASMD) Services >>> 59 (PF2.MARA)	S4H	Info Records >>>26.161 (EINA) Info Records >>> 34.844 (EINE) Services to be created as Info Record in case of no Contract Services >>> 9.821 (ASMD) as DCT Services >>> 59 (MARA) as DCT
WQ2		Info Records >>> 121.916 (EINA) Info Records >>> 126.651 (EINE) Services >>> 353 (WP2. ASMD) Services >>> 54 (WP2.MARA)	S4H	Info Records >>> 121.916 (EINA) Info Records >>> 126.651 (EINE) Services to be created as Info Record in case of no Contract Services >>> 353 (ASMD) as DCT Services >>> 54 (MARA) as DCT

Additional Information

MDS Documents

Date	Situation	Current Link
20250915		

Data Extraction

Data has been extracted from Production and files are kept here:

Date	Situation	Current Link
20251012		

Extraction/Transformation Methods and File Types

Data is Extracted and Transformed by Syniti ADM, the staging area of the Migration Cockpit will be updated by Syniti.

Relevancy Rules: PIRs from Source ECC PIRs to Target S4/Hana [rules are aligned with [Relevancy Criteria \(Approved by BL\)](#)]

1. Core Relevancy Rules (Functional View)

a. In-Scope Vendors, Materials, Purchasing Organizations, and Plants

- **Included:** Only Purchasing Info Records (PIRs) linked to vendors, materials, purchasing organizations, and plants that are defined as *in scope* in the corresponding MDS views
- **Excluded:** PIRs marked for deletion or blocked, and pricing conditions that are expired or with a net price equal to zero are relevant to be excluded from Data Migration.

b. Activity and Usage

- PIRs are considered relevant if they were used within the last four years, or if they are not marked for deletion or blocked, even when their validity end date is in the past
- This approach is applied because expiry dates are not always consistently maintained in legacy systems

c. Pricing Data

- Only PIRs with valid and non-expired pricing conditions are migrated
- Net price (KONP-KBETR) must be greater than zero

d. Hierarchy

- PIRs may exist at either Plant level or Purchasing Organization level
- Both levels are considered valid provided they comply with the relevancy and pricing criteria

e. Contracts Supersede PIRs

- When a contract exists in the target system with the same combination of Vendor | Material | Purchasing Organization | Plant, the contract takes precedence
- In such cases, the corresponding Info Record (with the same key) must be excluded from migration, as the Plant-level contract governs the purchasing conditions
- The only exception is for consignment scenarios, where PIRs remain mandatory even when a contract exists

f. Consignment Exception

- For consignment contracts, the PIR is still required and must be created in the target system.

g. Metadata/Qualification: There's a note of caution that PIRs in some divisions store essential metadata (like qualification data, parts numbers, comments about supplier qualification). The rule is to ensure such PIRs are not lost—validation from business is required to keep valuable metadata.

2. Additional Exclusion Criteria

a. Info Records linked to out-of-scope Vendors, Materials, Purchasing Organizations, or Plants are excluded

b. PIRs with no valid condition record or only expired conditions are excluded

c. PIRs where a Plant-level Contract already exists in the target system (Syniti to check in the staging areas) for the same Vendor | Material | Purchasing Organization | Plant are excluded, as the contract manage all procurement conditions

d. Duplicate PIRs (same keys and identical pricing) must be consolidated into a single unique entry prior to migration

3. Complementary Info

a. Material is flagged as in scope according to MDS [CNV-2019 Materials – Basic Data View](#)

b. Vendor is flagged as in scope according to MDS [CNV-3007 Business Partners – General \(Role 000000\)](#)

c. [Purchasing Organization \(EINE.EKORG\)](#) is in scope based on enterprise structure mapping

d. [Plant \(EINE.WERKS\)](#) is in scope, or may be blank (initial)

Relevancy Rules: Service Master from Source ECC PIRs to Target S4/Hana [rules are aligned with [Relevancy Criteria \(Approved by BL\)](#)]

Apply the data conversion defined in the DOMD file. For Service master records and Service materials (ASMD and MARA table), the Data Collection Template (DCT) must be completed by the Business. Based on the collected data, a decision is required on whether to migrate these services as Purchasing Info Records (PIRs) or as Contracts.

1. Service Masters
 - a. Data will be captured in DCT - Data Collection Template
 - b. List of Service master records will be provided by functional leads (Dean and Anjali) after validation with Business and all PODs.
 - c. Pricing data for service masters will be collected in DCT and will be created as contracts or info records based on business confirmation.

Multi-language Requirement

Languages to be extracted (available on Source Systems)

SAP standard supports all ISO languages, ensure that all standard languages are considered in scope.

Languages to **don't** be extracted

The below language has been excluded from SyWay scope.

International Version	Description
TH	Thai language

Data Deduplication

Deduplication is not applied directly to this object. However, if either the vendor or the material is present on multiple systems, the data must be clubbed into a unique combination of Vendor|Material|PurchPrg|Plant in order to avoid inconsistencies.

Document Management

N/A

Legal Requirement

Minor efforts with taxation mapping are foreseen for some specific countries having specific taxations, the topic is limited to have the tax codes mapping (from Old to New tax code - functional team task).

Special Requirements

Processing Type ETL:

The extraction and transformation will be done by Syniti, while the loading will be executed by a Standard tool of SAP Migration Cockpit.

- E - Extraction: Data will be Extracted from at least two source systems. This process will be executed by Syniti
- T - Transform: Data will be Cleansed, Transformed, Merged, and staging areas of Migration Cockpit will be updated by Syniti
- L - Loading: Data will be Loaded using the Migration Cockpit

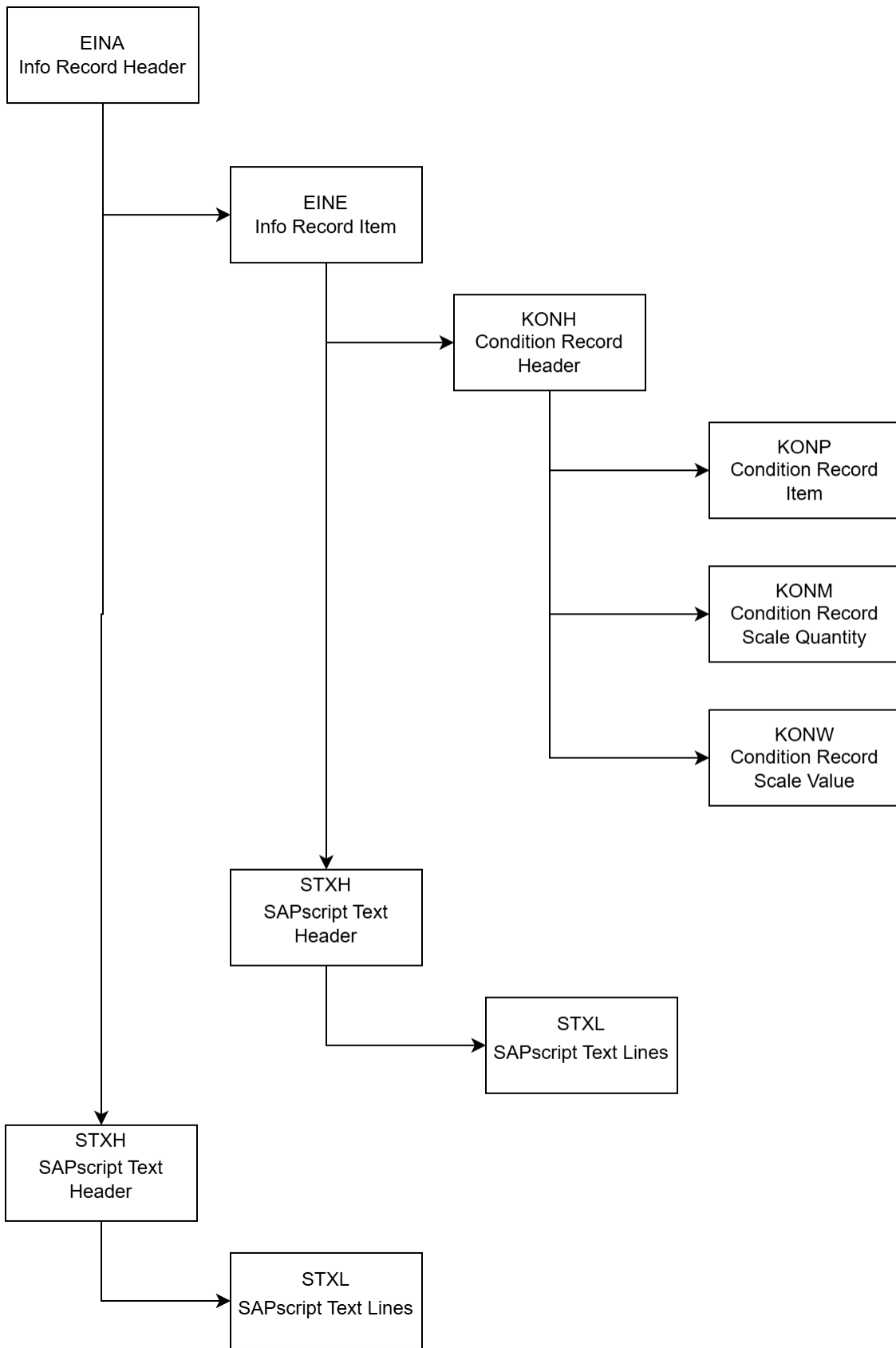
Frequency of running reports

- Preload Reports
 - Run before every load execution (Mock Loads, Dress Rehearsals, Cutover).
 - Purpose: to validate source-to-target transformations, business rules, and check for data quality issues before pushing into the Migration Cockpit.
 - Typically executed each time you release a wave or object for load.
- Postload Reports

- **Run immediately after each load execution.**
- **Purpose: to reconcile and confirm that what was loaded into SAP matches the expected records (counts, key fields, value checks, etc.).**
- **Typically executed after every migration cycle (mock, dress rehearsal, final cutover).**

Target Design

For Info Records the data hierarchy ID described below with the related SAP Tables expected to be Extracted / Transformed / Loaded. All target tables are being considered in the MDS document.



Value Mappings: Transformation DOMD (Source ECC)

The complete file is available on this [LINK](#) and the technical design of the target system for this conversion approach is detailed below.

Source Field Information							Transform Rules				Target Field Information													
Sequence	Technical Source Table	Field Name	Technical Source Field	Field Format	Field Length	Comments	Mapping Type	Transform Rule or Default Value	Validation Rule	Comments	Data Load Template	Sheet Name	Group	Field Description	Business Description	Checktable	Business Mandatory	System Mandatory	Type	Length	Decimal	Default Name	Target Field Name	
EINA Table																								
1.001	EINA	INFNR	Legacy Number of Purchasing Info Record	Text	80					- Mandatory for Migration Cockpit				Legacy Number of Purchasing Info Record				YES	YES	Text	80		SEINA	INFNR
1.002	EINA	MATNR	Product Number (Material Number - MATNR)	Text	80	Transformation Rule (MAPPING): 1) Use the source value, and lookup on the mapping table for <MATERIALS> and update the target field. 1.1) SKIP records where the material is out of scope	Transformation Rule			- Relevant for DataCleansing - Relevant for DataConversion (Mapping)			Product Number	MARA-MATNR			YES	NO	Text	80		SEINA	MATNR	
1.003	EINA	MATKL	Product Group (Material Group - MATKL)	Text	80	Transformation Rule (MAPPING): 1) Use the source value, and lookup on the mapping table for <MATKL> and update the target field. 1.1) SKIP records where the material is out of scope	Transformation Rule			- Relevant for DataCleansing - Relevant for DataConversion (Mapping)			Product Group	MARA-MATKL			YES	NO	Text	80		SEINA	MATKL	
1.004	EINA	LIFNR	Supplier's Account Number (Vendor Number - LIFNR)	Text	80	Transformation Rule (MAPPING): 1) Use the source value, and lookup on the mapping table for Vendor <LIFNR> and update the target field. 1.1) SKIP records where the vendor is out of scope	Transformation Rule			- Mandatory for Migration Cockpit - Relevant for DataCleansing - Relevant for DataConversion (Mapping)			Supplier's Account Number	BP			YES	YES	Text	80		SEINA	LIFNR	
1.005	EINA	TXZ01	Short Text for Purchasing Info Record	Text	40	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Short Text for Purchasing Info Record				YES	NO	Text	40		SEINA	TXZ01	
1.006	EINA	SO RTL	Sort Term for Non-Stock Info Records	Text	10	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Sort Term for Non-Stock Info Records				NO	NO	Text	10		SEINA	SORTL	
1.007	EINA	MEINS	Order Unit (ISO Format)	Text	80	Transformation Rule (MAPPING): 1) Use the source value, and lookup on the mapping table for Unit of Measure - UOM <MEINS> and update the target field.	Transformation Rule			- Relevant for DataConversion (Mapping)			Order Unit (ISO Format)				YES	NO	Text	80		SEINA	MEINS	
1.008	EINA	UMREZ	Numerator for Conversion of Order Unit	Number	5	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Numerator for Conversion of Order Unit				NO	NO	Number	5		SEINA	UMREZ	
1.009	EINA	UMREN	Denominator for Conversion of Order Unit	Number	5	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Denominator for Conversion of Order Unit				NO	NO	Number	5		SEINA	UMREN	
1.010	EINA	IDNLF	Product Number Used by Supplier	Text	35	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Product Number Used by Supplier				NO	NO	Text	35		SEINA	IDNLF	
1.011	EINA	VERKF	Salesperson Responsible	Text	30	Transformation Rule: 1) Copy source field value as-is to the target field (1:1 direct mapping).	Transformation Rule						Salesperson Responsible				NO	NO	Text	30		SEINA	VERKF	
1.012	EINA	TELF1	Supplier's Telephone Number	Text	16	Transformation Rule: 1) Use the source value to update the target field AS-IS	Transformation Rule						Supplier's Telephone Number				NO	NO	Text	16		SEINA	TELF1	

013	EINA	MAHN1	Days for First Reminder /Expediter	Number	3	Transformation Rule: 1) Use the source value to update the target field AS-IS					Days for First Reminder /Expediter		NO	NO	Number	3	S_EI	MAHN1	
014	EINA	MAHN2	Days for Second Reminder /Expediter	Number	3	Transformation Rule: 1) Use the source value to update the target field AS-IS					Days for Second Reminder /Expediter		NO	NO	Number	3	S_EI	MAHN2	
015	EINA	MAHN3	Days for Third Reminder /Expediter	Number	3	Transformation Rule: 1) Use the source value to update the target field AS-IS					Days for Third Reminder /Expediter		NO	NO	Number	3	S_EI	MAHN3	
016	EINA	LM EIN	Base Unit of Measure (ISO Format)	Text	80	Transformation Rule (MAPPING): 1)Use the source value, and lookup on the mapping table for Unit of Measure - UOM <MEINS> and update the target field.				- Relevant for DataConversion (Mapping)	Base Unit of Measure (ISO Format)		NO	NO	Text	80	S_EI	LM EIN	
017	EINA	VABME	Variable Purchase Order Unit Active	Text	80	Transformation Rule: 1) Use the source value to update the target field AS-IS				- Relevant for DataConversion (Mapping)	Variable Purchase Order Unit Active		NO	NO	Text	80	S_EI	VABME	
018	EINA	WGLIF	Supplier Product Group	Text	18	Transformation Rule: 1) Use the source value to update the target field AS-IS					Supplier Product Group		NO	NO	Text	18	S_EI	WGLIF	
019	EINA	KOLIF	Prior Supplier	Text	80	Transformation Rule (MAPPING): 1) Use the source value, and lookup on the mapping table for Vendor <LIFNR> and update the target fields.				- Relevant for DataCleaning - Relevant for DataConversion (Mapping)	Prior Supplier		NO	NO	Text	80	S_EI	KOLIF	
020	EINA	URZLA	Country /Region of Origin	Text	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).					Country /Region of Origin		NO	NO	Text	80	S_EI	URZLA	
021	EINA	REGIO	Region	Text	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).					Region		NO	NO	Text	80	S_EI	REGIO	
022	EINA	MFRNR	Manufacturer	Text	80	Transformation Rule: Use the source value, and lookup on the mapping table for Vendors <LIFNR>.				- Relevant for DataConversion (Mapping)	Manufacturer		NO	NO	Text	80	S_EI	MFRNR	
023	EINA	LIFAB	Available (Deliverable) From	Date		Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping). Target field format: DD.MM.YYYY					Available (Deliverable) From		NO	NO	Date		S_EI	LIFAB	
024	EINA	LIFBI	Available (Deliverable) Until	Date		Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping). Target field format: DD.MM.YYYY					Available (Deliverable) Until		NO	NO	Date		S_EI	LIFBI	
025	EINA	RELIF	Indicator: Regular Supplier	Text	1	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).					Indicator: Regular Supplier		NO	NO	Text	1	S_EI	RELIF	
						In order to select the data from STXL proceed as follow: STEP_1: Select * From STXL Where TDOBJECT = EINA TDNAME = <Info Record Number CHAR10> *Create one entry for each language STXL-TDSPRAS													

2.001	EINA	INF NR	Legacy Number of Purchasing Info Record	Text	80	Transformation Rule: Maintain the same number for each Info Record transaction. Since data is being merged from both PF2 and WP2 systems, it is not recommended to reuse the source number, as this could lead to number clashes or duplication conflicts.	- Mandatory for Migration Cockpit			Legacy Number of Purchasing Info Record	YES	YES	Text	80	S_EI_N_A_T_E_X_T	I_N_F_N_R
2.002	STXL	TDSPRAS	Language Key	Text	80	Transformation Rule: After apply the data selection, use each line encountered in STXL-TDSPRAS	- Mandatory for Migration Cockpit			Language Key	YES	YES	Text	80	S_EI_N_A_T_E_X_T	T_D_S_P_R_A_S
2.003	STXL	CLUSTD	Text	Text	unrestricted	Transformation Rule: Target field is equal to STXL-CLUSTD	- Mandatory for Migration Cockpit			Text	YES	YES	Text	unrestricted	S_EI_N_A_T_E_X_T	T_E_X_T
3.001	EINE	INF NR	Legacy Number of Purchasing Info Record	Text	80		- Mandatory for Migration Cockpit			Legacy Number of Purchasing Info Record	YES	YES	Text	80	S_EI_N_E	I_N_F_N_R
3.002	EINE	EKORG	Purchasing Organization	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Purchasing Organization <EKORG> 1.1) SKIP record where the PurchOrg is out of scope	- Mandatory for Migration Cockpit - Relevant for DataConversion (Mapping)			Purchasing Organization	YES	YES	Text	80	S_EI_N_E	E_K_O_R_G
3.003	EINE	ESOKZ	Purchasing Info Record Category	Text	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).	- Mandatory for Migration Cockpit			Purchasing Info Record Category	YES	YES	Text	80	S_EI_N_E	E_S_O_K_Z
3.004	EINE	WERKS	Plant	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Plant <WERKS> 1.1) SKIP records where the plant is out of scope	- Relevant for DataCleaning - Relevant for DataConversion (Mapping)			Plant	NO	NO	Text	80	S_EI_N_E	W_E_R_K_S
3.005	EINE	EKGRP	Purchasing Group	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Purchasing Group <EKGRP>	- Relevant for DataCleaning - Relevant for DataConversion (Mapping)			Purchasing Group	NO	NO	Text	80	S_EI_N_E	E_K_G_R_P
3.006	EINE	WAERS	Currency Key(ISO Format)	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Currency <WAERS>	- Relevant for DataConversion (Mapping)			Currency Key (ISO Format)	NO	NO	Text	80	S_EI_N_E	W_A_E_R_S
3.007	EINE	MINBM	Minimum Purchase Order Quantity	Number	13,3	Transformation Rule: 1) Use the source value to update the target field AS-IS				Minimum Purchase Order Quantity	NO	NO	Number	13,3	S_EI_N_E	M_I_N_B_M
3.008	EINE	NO RBM	Standard Purchase Order Quantity	Number	13,3	Transformation Rule: 1) Use the source value to update the target field AS-IS 2) If source field is empty, update the target field with value "1"	- Mandatory for Migration Cockpit			Standard Purchase Order Quantity	YES	YES	Number	13,3	S_EI_N_E	N_O_R_B_M
3.009	EINE	APLFZ	Planned Delivery Time in Days	Number	3	Transformation Rule: 1) Use the source value to update the target field AS-IS				Planned Delivery Time in Days	NO	NO	Number	3	S_EI_N_E	A_P_L_F_Z
3.010	EINE	UEBTO	Overdelivery Tolerance Limit	Number	3,1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Overdelivery Tolerance Limit	NO	NO	Number	3,1	S_EI_N_E	U_E_B_T_O

3.011	EINE	UEBTK	Indicator: Unlimited Overdelivery Allowed	T	1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Indicator: Unlimited Overdelivery Allowed		NO	NO	T	1	S	UEBTK
3.012	EINE	UNTO	Underdelivery Tolerance Limit	N	3,1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Underdelivery Tolerance Limit		NO	NO	N	3,1	S	UNTO
3.013	EINE	BWTAR	Valuation Type	T	10	Transformation Rule (MAPPING): Use the source value, and lookup on the mapping table for <VALUATION_TYPE> and update the target field.		- Relevant for DataConversion (Mapping)		Valuation Type		NO	NO	T	10	S	BWTAR
3.014	EINE	MTXNO	Ind: Prod. Master Rec. PO Text Not Rele.	T	1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Ind: Prod. Master Rec. PO Text Not Rele.		NO	NO	T	1	S	MTXNO
3.015	EINE	WEBRE	Indicator: GR-Based Invoice Verification	T	1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Indicator: GR-Based Invoice Verification		NO	NO	T	1	S	WEBRE
3.016	EINE	KZABS	Ind: Order Acknowledgment Requirement	T	1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Ind: Order Acknowledgment Requirement		NO	NO	T	1	S	KZABS
3.017	EINE	MWSKZ	Tax on Sales /Purchases Code	T	80	Transformation Rule (MAPPING): Use the source value, and lookup on the mapping table for <TAX_CODE> and update the target field.		- Relevant for DataConversion (Mapping)		Tax on Sales /Purchases Code		NO	NO	T	80	S	MWSKZ
3.018	EINE	TXT_F ROM	Valid-From Date of the Tax Rate	D		Transformation Rule: 1) Use the source value to update the target field AS-IS				Valid-From Date of the Tax Rate		NO	NO	D		S	TXT_F ROM
3.019	EINE	EVERS	Shipping Instructions	T	80	Transformation Rule: 1) Use the source value to update the target field AS-IS		- Relevant for DataConversion (Mapping)		Shipping Instructions		NO	NO	T	80	S	EVERS
3.020	EINE	BS TAE	Confirmation Control Key	T	80	Transformation Rule: 1) Use the source value to update the target field AS-IS		- Relevant for DataConversion (Mapping) ABUO 20251004 - note: the field has to be confirmed whether it's being used, case yes, a mapping is needed.		Confirmation Control Key		NO	NO	T	80	S	BS TAE
3.021	EINE	XERSN	Ind: No Evaluated Receipt Settlem. (ERS)	T	1	Transformation Rule: 1) Use the source value to update the target field AS-IS				Ind: No Evaluated Receipt Settlem. (ERS)		NO	NO	T	1	S	XERSN
3.022	EINE	MH DRZ	Minimum Remaining Shelf Life	N	4	Transformation Rule: 1) Use the source value to update the target field AS-IS				Minimum Remaining Shelf Life		NO	NO	N	4	S	MH DRZ
3.023	EINE	IPR KZ	Period Ind. for Min. Remain. Shelf Life	T	80	Transformation Rule: 1) Use the source value to update the target field AS-IS				Period Ind. for Min. Remain. Shelf Life		NO	NO	T	80	S	IPR KZ
3.024	EINE	BS TMA	Maximum Purchase Order Quantity	N	13,3	Transformation Rule: 1) Use the source value to update the target field AS-IS				Maximum Purchase Order Quantity		NO	NO	N	13,3	S	BS TMA

3.025	EINE	EX PR F_L AN D1	Foreign Trade: Country /Region	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Foreign Trade: Country /Region		NO	NO	T ext	80	S _ E I N E	X P R F L A N D1
3.026	EINE	EX PR F	Foreign Trade: Procedure	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Foreign Trade: Procedure		NO	NO	T ext	80	S _ E I N E	X P R F
3.027	EINE	RD PR F	Rounding Profile	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS				- Relevant for DataConversion	Rounding Profile		NO	NO	T ext	80	S _ E I N E	R D P R F
3.028	EINE	VE ND OR _R MA _R EQ	Supplier RMA Number Required	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Supplier RMA Number Required		NO	NO	T ext	80	S _ E I N E	VE ND OR _R MA _R EQ
3.029	EINE	AU T SO UR CE	Relevant for Automatic Sourcing	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Relevant for Automatic Sourcing		NO	NO	T ext	80	S _ E I N E	A U T _S O UR CE
3.030	EINE	SK TO F	Ind: Item Does Not Qualify for Cash Disc	T ext	1	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Ind: Item Does Not Qualify for Cash Disc		NO	NO	T ext	1	S _ E I N E	SK T OF
3.031	EINE	ME PR F	Price Determinat. (Pricing) Date Control	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Price Determinat. (Pricing) Date Control		NO	NO	T ext	80	S _ E I N E	ME P R F
3.032	EINE	INC OV	Incoterms Version	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Incoterms Version		NO	NO	T ext	80	S _ E I N E	INC OV
3.033	EINE	INC O1	Incoterms	T ext	80	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS				- Relevant for DataConversion (Mapping)	Incoterms		NO	NO	T ext	80	S _ E I N E	INC O1
3.034	EINE	INC O2 _L	Incoterms Location 1	T ext	70	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Incoterms Location 1		NO	NO	T ext	70	S _ E I N E	INC O2 _L
3.035	EINE	INC O3 _L	Incoterms Location 2	T ext	70	Tran sfo r ma tio n Rule	Transformation Rule: 1) Use the source value to update the target field AS-IS					Incoterms Location 2		NO	NO	T ext	70	S _ E I N E	INC O3 _L
							After processing all entries, verify that the EINA table contains at least one record matching the specified EINA-MATNR and EINA-LIFNR values. If no corresponding entry exists in EINA, the transaction must be deleted.												
4.001	EINE	INF NR	Legacy Number of Purchasing Info Record	T ext	80						- Mandatory for Migration Cockpit	Legacy Number of Purchasing Info Record		YES	YES	T ext	80	S _ C O ND	INF NR

4.002	EINE	EK ORG	Purchasing Organization	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Purchasing Organization <EKORG> 1.1) SKIP record where the PurchOrg is out of scope	COND. EKORG EINE- EKORG	- Mandatory for Migration Cockpit - Relevant for DataConversion (Mapping)			Purchasing Organization		YES	YES	Text	80	S - C O N D	E K O R G
4.003	EINE	ES OKZ	Purchasing Info Record Category	Text	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).	COND. ESOKZ EINE- ESOKZ	- Mandatory for Migration Cockpit			Purchasing Info Record Category		YES	YES	Text	80	S - C O N D	E S O K Z
4.004	EINE	WE RKS	Plant	Text	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Plant <WERKS> 1.1) SKIP records where the plant is out of scope	COND. WERKS EINE- WERKS	- Relevant for DataConversion (Mapping)			Plant		YES	YES	Text	80	S - C O N D	W E R K S
4.005	KO NP	KO POS	Condition Sequence Number	Number	2	Transformation Rule: 1) Use the source value to update the target field AS-IS	COND. KOPOS KONP- KOPOS	- Mandatory for Migration Cockpit			Condition Sequence Number		YES	YES	Number	2	S - C O N D	K O P O S
4.006	KO NP	KS CHL	Condition Type	Text	80	Transformation Rule: 1) Use the source value to update the target field AS-IS QF2: Condition Tables: 016, 017, 018, 025, 028, 066, 067, 118 Condition Types: PB00, P000, PN00, PC	COND. COND_ TYPE KONP- KSCHL (PB00)	- Mandatory for Migration Cockpit - Relevant for DataConversion (Mapping)			Condition Type		YES	YES	Text	80	S - C O N D	C O N D _ T Y P E
4.007	KO NH	DA TAB	Valid From	Date		Transformation Rule: 1) Use the source value to update the target field AS-IS	COND. VALID_ F R O M KONH- DATAB	- Mandatory for Migration Cockpit			Valid From		YES	YES	Date		S - C O N D	V A L I D _ F R O M
4.008	KO NH	DA TBI	Valid To	Date		Transformation Rule: 1) Use the source value to update the target field AS-IS	COND. VALID_ T O KONH- DATBI	- Mandatory for Migration Cockpit			Valid To		YES	YES	Date		S - C O N D	V A L I D _ T O
4.009	KO NM	KR ECH	Calculation Type	Text	80	Transformation Rule: 1) Use the source value to update the target field AS-IS					Calculation Type		NO	NO	Text	80	S - C O N D	K R E C H
4.010	KO NP	KB ETR	Amount	Number	31,3	Transformation Rule: 1) Use the source value to update the target field AS-IS					Amount		NO	NO	Number	31,3	S - C O N D	K B E T R
4.011	KO NP	KO NWA	Condition Unit (Currency or Percentage)	Text	80	Transformation Rule: 1) Use the source value to update the target field AS-IS					Condition Unit (Currency or Percentage)		NO	NO	Text	80	S - C O N D	K O N W A
4.012	KO NP	KP EIN	Condition Pricing Unit	Number	5	Transformation Rule: 1) Use the source value to update the target field AS-IS					Condition Pricing Unit		NO	NO	Number	5	S - C O N D	K P E I N
4.013	KO NP	KM EIN	Condition Unit of Measure ISO	Text	80	Transformation Rule (MAPPING): 1)Use the source value, and lookup on the mapping table for Unit of Measure - UOM <MEINS> and update the target field.					Condition Unit of Measure ISO		NO	NO	Text	80	S - C O N D	K M E I N
4.014	KO NP	KU MZA	Numerator for Conversion	Number	5	Transformation Rule: 1) Use the source value to update the target field AS-IS					Numerator for Conversion		NO	NO	Number	5	S - C O N D	K U M Z A
4.015	KO NP	KU MNE	Denominator for Conversion	Number	5	Transformation Rule: 1) Use the source value to update the target field AS-IS					Denominator for Conversion		NO	NO	Number	5	S - C O N D	K U M N E
4.016	MA RA	MEI NS	Base Unit of Measure ISO	Text	80	Transformation Rule (MAPPING): 1)Use the source value, and lookup on the mapping table for Unit of Measure - UOM <MEINS> and update the target field.					Base Unit of Measure ISO		NO	NO	Text	80	S - C O N D	M E I N S
4.017	KO NM	KO NMS	Condition Scale Unit of Measure ISO	Text	80	Transformation Rule: 1) Use the source value to update the target field AS-IS					Condition Scale Unit of Measure ISO		NO	NO	Text	80	S - C O N D	K O N M S

4.018	CO ND	EX CL USI ON _IND	Condition Exclusion Indicator	T ext	80		Transformation Rule: NO RULE - send blanks				Condi on Excl usi on Indicator			NO	NO	T ext	80	S C O ND	E X C L U S I O N _I ND
5.001	EINE	INF NR	Legacy Number of Purchasing Info Record	T ext	80						Legacy Number of Purch asing Info Record			YES	YES	T ext	80	S C A L E S	I N F NR
5.002	EINE	EK ORG	Purchasing Organization	T ext	80		Transformation Rule: 1) Use the source value, and lookup on the mapping table for Purchasing Organization <EKORG> 1.1) SKIP record where the PurchOrg is out of scope				Purcha sing Organ ization			YES	YES	T ext	80	S C A L E S	E K O R G
5.003	EINE	ES OKZ	Purchasing Info Record Category	T ext	80		Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).				Purcha sing Info Record Category			YES	YES	T ext	80	S C A L E S	E S O K Z
5.004	EINE	WE RKS	Plant	T ext	80		Transformation Rule: 1) Use the source value, and lookup on the mapping table for Plant <WERKS> 1.1) SKIP records where the plant is out of scope				Plant			NO	NO	T ext	80	S C A L E S	W E R K S
5.005	KO NP	KO POS	Condition Sequence Number	N u m ber	2		Transformation Rule: 1) Use the source value to update the target field AS-IS				Condi on Sequen ce Number			YES	YES	N u m ber	2	S C A L E S	K O P O S
5.006	KO NP	KS CHL	Condition Type	T ext	80		Transformation Rule: 1) Use the source value to update the target field AS-IS				Condi on Type			YES	YES	T ext	80	S C A L E S	C O N D _ T Y P E
5.007	KO NH	DA TAB	Valid From	D ate			Transformation Rule: 1) Use the source value to update the target field AS-IS				Valid From			YES	YES	D ate		S C A L E S	V A L I D _ F R O M
5.008	KO NH	DA TBI	Valid To	D ate			Transformation Rule: 1) Use the source value to update the target field AS-IS				Valid To			YES	YES	D ate		S C A L E S	V A L I D _ T O
5.009	SCA LES	LIN E NO	Scale Item Number	N u m ber	4		Transformation Rule: 1) ROW_NUMBER() OVER(PARTITION BY KONM- KNUMH, KONM-KOPOS ORDER BY KONM-KONMS)				Scale Item Number			YES	YES	N u m ber	4	S C A L E S	L I N E _ N O
5.010	KO NM	ST FKZ	Scale Quantity	N u m ber	15 ,3		Transformation Rule: 1) Use the source value to update the target field AS-IS				Scale Quantity			NO	NO	N u m ber	15 ,3	S C A L E S	K S T B M
5.011	KO NP	KB ETR	Scale Rate	N u m ber	31 ,3		Transformation Rule: 1) Use the source value to update the target field AS-IS				Scale Rate			NO	NO	N u m ber	31 ,3	S C A L E S	K B E T R
5.012	KO NM	KO NMS	Scale Value	N u m ber	28 ,3		Transformation Rule: 1) Use the source value to update the target field AS-IS				Scale Value			NO	NO	N u m ber	28 ,3	S C A L E S	S C A L E _ V A L

5.013	KO	NM	KO	NWS	Scale Rate	N	31	3	Transformation Rule: 1) Use the source value to update the target field AS-IS								Scale Rate			NO	NO	N	31	3	S	K	B	E	T	R	—	V	A	L					
									The entries from STXL table for EINE are composed as follow: STXL-TDOBJECT = EINE STXL-TDNAME = [INFO REC CODE-INFNR CHAR10] [ESOKZ CHAR1] [PLANT-WERKS CHAR4] Create one entry for each record, and apply data Conversion for Purchasing Org and Plant																														
6.001	STXL	TD	OB	JE	CT	Text Object	T	80	Transform Rule: Maintain the same number for each Info Record transaction. Since data is being merged from both PF2 and WP2 systems, it is not recommended to reuse the source number, as this could lead to number clashes or duplication conflicts.								Legacy Number of Purchasing Info Record			YES	YES	T	80		S	—	I	N	E	—	T	E	X	T					
6.002	STXL	EK	ORG	Purchasing Organization	T	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Purchasing Organization <EKORG> 1.1) SKIP record where the PurchOrg is out of scope											Purchasing Organization			YES	YES	T	80		S	—	E	K	O	R	G	—	T	E	X	T		
6.003	STXL	ES	OKZ	Purchasing Info Record Category	T	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).											Purchasing Info Record Category			YES	YES	T	80		S	—	E	S	O	K	Z	—	T	E	X	T		
6.004	STXL	WE	RKS	Plant	T	80	Transformation Rule: 1) Use the source value, and lookup on the mapping table for Plant <WERKS> 1.1) SKIP records where the plant is out of scope											Plant			NO	NO	T	80		S	—	W	E	R	K	S	—	T	E	X	T		
6.005	STXL	TD	SP	RAS	Language Key	T	80	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).										Language Key			YES	YES	T	80		S	—	T	D	S	P	R	A	S	—	T	E	X	T
6.006	STXL	TE	XT	Text	T	unrestricted	Transformation Rule: Copy source field value as-is to the target field (1:1 direct mapping).											Text			YES	YES	T	unrestricted		S	—	T	E	X	T	—	T	E	X	T			

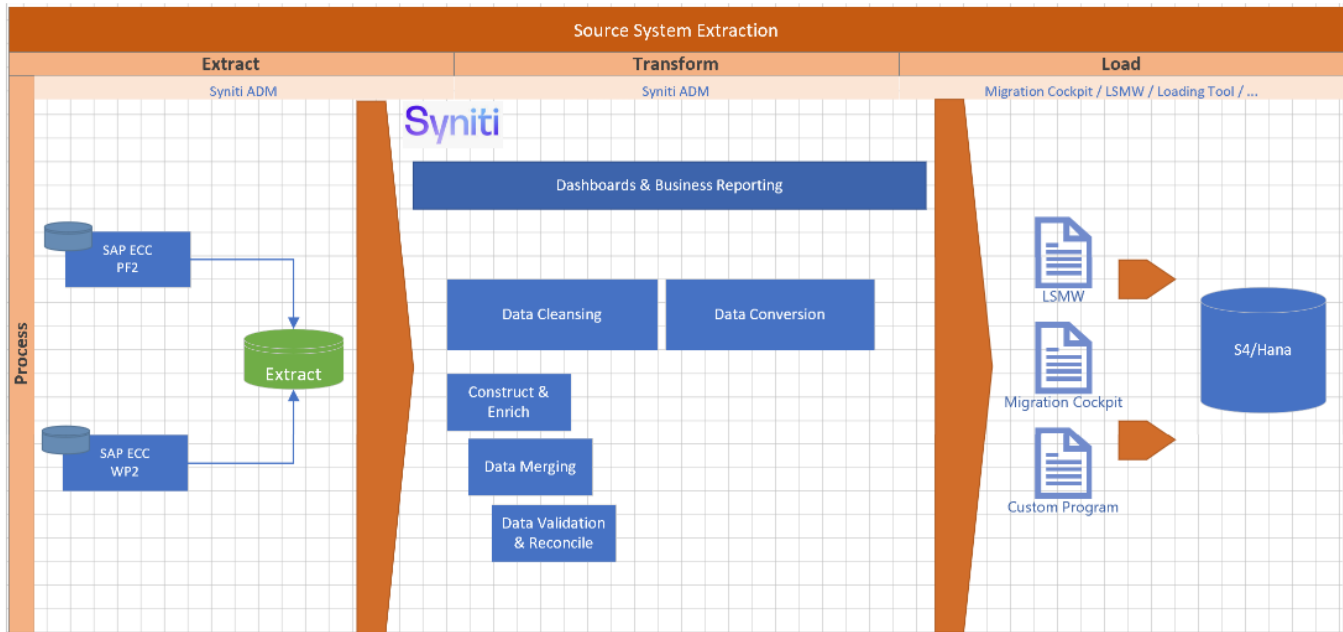
Data Merging Strategy

According to the Source Data, this option doesn't seem to be realistic; but in cases where the same **Material|Vendor|PurchOrg|Plant(can be empty)** combination exists across multiple source systems (due to system consolidation), it is recommended to apply the following merging rules:

ID	Scenario	Action
001	Same combination of Material Vendor PurchOrg Plant	Apply data conversion and identify duplicate records, merging them when possible

Conversion Process

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



Data Privacy and Sensitivity

N/A

Extraction

Data Analysis: Retention Level EINA|EINE

PF2: A017, A018 ==> 163.554 records analysed

WP2: A017, A018, A025 AND A067 ==> 311.123 records analysed

Table	Key fields	Contains Info Record Number?	Typical usage
A016	Vendor / Material	No	Info Record price without plant level (general vendor-material)
A017	Plant / Vendor / Material	No	Plant-specific PIR (what you showed)
A018	Vendor / Material / Info Record	Yes (INFNR)	Info Record-specific pricing (when PIR number matters)
A025	Purchasing Organization / Vendor / Material	No	Contract type condition
A067	Plant / Vendor / Material / Purchasing Organization	No	Scheduling agreements
A068	Plant / Vendor / Material / Info Record	Yes (INFNR)	PIR-specific and plant-specific

Data Analysis: Condition Types

PF2: PB00, PC ==> 163.554 records analysed

WP2: PB00, ZI01 ==> 313.154 records analysed

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
001	Verify connectivity and authorizations to source ECC systems before execution.	SyWay Data Team
002	Confirm selection scope: Purchasing Organizations, Plants, Vendors, and Materials to be included in the extraction.	SyWay Data Team
003	Execute data-profiling query to validate record counts and existence of Info Records (EINA/EINE) before the extraction run.	SyWay Data Team
005	Extract Info Records for Vendors that are not marked for deletion (LFM1-LOEVM 'X') and are within scope.	SyWay Data Team
006	Extract Info Records for active Vendors and Materials only – exclude entries with deletion or obsolete flags.	SyWay Data Team
007	Extract Info Records for Materials that are not marked for deletion and belong to valid Info Record combinations.	SyWay Data Team
008	Extract condition records (KONH/KONP, A017/A018/...) corresponding to valid Info Records, using non-overlapping validity dates.	SyWay Data Team
009	Extract long texts (STXH/STXL) for valid Info Records and ensure language completeness (including all ISO languages and excluding out of scope languages)	SyWay Data Team
010	Perform record-count validation per table (EINA, EINE, KONH, KONP, STXH, STXL) against expected totals and log results.	SyWay Data Team
011	Capture extraction metrics (runtime, volume, record counts, warnings/errors) and store in extraction log.	SyWay Data Team
012	Submit extraction output for validation and functional sign-off prior to upload to Syniti Staging.	SyWay Data Team

Selection Screen

A Target Ready Data Collection Template will be created for the required data, except for fields that need transformation as per the defined transformation rules. These templates will follow the format required by the target S/4HANA Info Record & Purchasing Pricing Configuration.

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
Topic N/A				

Data Collection Template (DCT)

This template captures the essential fields required for the Purchasing Info Record (PIR) object, with the exception of certain fields that require transformation according to the defined Transformation Rules. The design and structure of the DCT must remain aligned with the field status configuration of the Info Record, as well as the Condition Types, and their associated Condition Tables. This version will be updated and replaced once the final pricing configuration is confirmed and available in the target system.

Field Name	Data Type	Length	Description	Rule
EINA-MATNR	CHAR	18	Material Number	
EINA-MATKL	CHAR	9	Material Group	
EINA-LIFNR	CHAR	10	Vendor Number	
EINA-TXZ01	CHAR	40	Short Text	
EINA-MEINS	UNIT	3	Base Unit of Measure	
EINA-UMREZ	NUMC	5	Numerator for Conversion	

EINA-UMREN	NUMC	5	Denominator for Conversion
EINE-EKORG	CHAR	4	Purchasing Organization
EINE-ESOKZ	CHAR	1	Info Category (Standard/Subcontracting/Consignment)
EINE-WERKS	CHAR	4	Plant
EINE-EKGRP	CHAR	3	Purchasing Group
EINE-WAERS	CUKY	5	Currency Key
EINE-MINBM	QUAN	13,3	Minimum Order Quantity
EINE-NORBMM	QUAN	13,3	Normal Order Quantity
EINE-MWSKZ	CHAR	2	Tax Code
COND_TYPE	CHAR	4	Condition Type
COND_TABLE	CHAR	4	Condition Table (e.g A018)
COND_VALID_FROM	DATS	8	Valid From Date
COND_VALID_TO	DATS	8	Valid To Date
COND-KRECH	CHAR	1	Calculation Type for Conditions
COND-KBETR_EXT	CURR	11,2	Condition Rate (External)
COND-KONWA	CUKY	5	Condition Currency
COND-KPEIN	DEC	5	Condition Pricing Unit
COND-KMEIN	UNIT	3	Condition Unit of Measure
COND-MEINS	UNIT	3	Unit of Measure

Notes

- The DCT must align with the field status of the target Info Record view and the Pricing Procedure schema approved by the Functional Team,
- Where transformation logic applies (example PurchOrg, Plant, Incoterms, Currency), reference should be made to the Transformation Mapping Table maintained by the Data Governance team,
- Once the final pricing configuration is frozen, this DCT can be regenerated with the exact condition types(per country - considering respective mapping), access sequences, and validity schema.

Extraction Dependencies

Item #	Step Description	Team Responsible
001	Vendor - The Info Record is created for a specific vendor, therefore the vendor must exist and be active	S2P
002	Material - The Info Record is for a specific material, therefore the material must exist and be active	S2P
003	Purchasing Organization - Mandatory organizational level (configuration). Must be valid for both the vendor and material	S2P
004	Plant (optional) - If a plant-specific Info Record is used, the plant must be valid (included on scope) and maintained	FICO
005	Currency & UoM - Must align with vendor master and material master data	S2P
006	Tax Code - Should exist in system and be consistent with vendor's country and plant region	S2P
007	Conditions - Purchasing conditions (price, discounts, scales) are typically stored in condition records. Linked to Info Records via condition tables	S2P
008	Vendor Master Settings - The vendor must have the purchasing organization maintained in purchasing view	S2P

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

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Identify target S/4HANA fields and determine applicable legacy source fields from both ECC systems WP2, PF2	Functional Team (S2P)+ Data Team (S2P)
2	Review condition types and access tables used in each ECC source systems WP2, PF2	Business Team + Functional Team (S2P)
3	Map legacy field values to S/4HANA target values (including field-level mapping and technical names)	Data Team (S2P), Data Team (Syniti)
4	Define value mapping rules for fields requiring standardization or harmonization across the two source systems WP2, PF2.	Functional Team (S2P)+ Data Team (S2P)
5	Identify and agree on default values where legacy data is incomplete or inconsistent	Business Team + Functional Team (S2P)
6	Configure transformation rules in Syniti Migrate (including calculated fields, formatting rules, etc.)	Data Team (Syniti), Data Team (S2P)
7	Review transformation logic and mappings with Business for confirmation	Business Team + Functional Team (S2P)
8	Perform initial transformation run and generate draft target-ready dataset	Data Team (Syniti),
9	Review draft target-ready data for structure and completeness	Data Team (S2P), Functional Team (S2P)
10	Share transformed data with Business for Pre-load Validation	Business Team
11	Incorporate feedback from Business and refine mappings or transformation logic as needed	Data Team (S2P)
12	Finalize and approve transformed data as Target Ready Load File	Business + Functional (S2P) + Data Team (S2P)
13	Handover final file to Load Team or trigger the load via Syniti Load Workbench	Data Team (Syniti), Data Load Team
14	Material and Vendor must exist in the target system. Only include Info Records where both MARA-MATNR and LFA1-LIFNR are valid and being migrated to S4Hana;	Data Team (Syniti), Data Load Team

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1094-001	Legacy	EINA	INFNR	Legacy Number of Purchasing Info Record	S/4HANA	EINA	INFNR	Legacy Number of Purchasing Info Record	Generate the Info Record number and keep this mapping in a reference table (this might be used for Transactional Data). *depending on the upload method, the Info Record number would be automatically generated.
1094-002	Legacy	EINA	MATNR	Material	S/4HANA	EINA	MATNR	Material	Select the new Material Code from the mapping table and update the corresponding target structure accordingly.

1094-003	Legacy	EINA	MATKL	Material Group	MATKL	Material Group	MATKL	Material Group	Select the new Material Group from the mapping table and update the corresponding target structure accordingly.
1094-004	Legacy	EINA	LIFNR	Vendor	S/4HANA	EINA	LIFNR	Vendor	Select the new Vendor Code from the mapping table and update the corresponding target structure accordingly.
1094-005	Legacy	EINA	INCO1	Incoterm	S/4HANA	EINA	INCO1	Incoterm	Select the Incoterm Code from the mapping table and update the corresponding target structure accordingly.
1094-006	Legacy	EINA	MEINS	Order Unit	S/4HANA	EINA	MEINS	Order Unit	Select the new Order Unit Code from the mapping table and update the corresponding target structure accordingly.
1094-007	Legacy	EINA	MFRNR	Manufacturer	S/4HANA	EINA	MFRNR	Manufacturer	Select the new Manufacturer Code from the mapping table and update the corresponding target structure accordingly.
1094-008	Legacy	EINE	WERKS	Plant	S/4HANA	EINE	WERKS	Plant	Select the new Plant Code from the mapping table and update the corresponding target structure accordingly.
1094-009	Legacy	EINE	WAERS	Currency	S/4HANA	EINE	WAERS	Currency	Select the new Currency Code from the mapping table and update the corresponding target structure accordingly.
1094-010	Legacy	EINE	MWSKZ	Tax Code	S/4HANA	EINE	MWSKZ	Tax Code	Select the new Tax Code from the mapping table and update the corresponding target structure accordingly.

Transformation Mapping

Mapping Table Name	Mapping Table Description
LIFNR (LFA1-LIFNR)	<Vendor> not yet available
MATNR (MARA-MATNR)	<Material> not yet available
WERKS (T001W-WERKS_)	<Plant>
EKORG (T024E-EKORG)	<Purchasing Organization>
EKGRP (T024-EKGRP)	<Purchasing Group>
MATKL (T023-MATKL)	<Material Group> not yet available
MEINS (T006-MEINS)	<Unit of Measure> not yet available
MWSKZ (T007A-MWSKZ)	<Tax Code>

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
001	Value Mapping Tables are complete	Functional Team (S2P) + Data Team (S2P)
002	Info Record & Pricing configuration are complete	Functional Team (S2P) + Data Team (S2P)
003	Org structure configuration is complete	Functional Team (S2P) + Data Team (S2P)
004	Dependent Master Data records for Customer and Material are loaded	Functional Team (S2P) + Data Team (S2P)
005	Master Data – Vendor	Data Team (S2P)
006	Master Data – Material	Data Team (S2P)
007	Configuration – Purchasing Organization	Functional Team (S2P)
008	Configuration – Plant	Functional Team (S2P)
009	Configuration – Product Group	Functional Team (S2P)
010	Configuration – Vendor	Functional Team (S2P)
011	Configuration – Material	Functional Team (S2P)
012	Configuration – Material Group	Functional Team (S2P)

013	Configuration – Unit of Measure	Functional Team (S2P)
014	Configuration – Purchasing Organization	Functional Team (S2P)
015	Configuration – Purchasing Group	Functional Team (S2P)
016	Configuration – Incoterms	Functional Team (S2P)
017	Configuration – Condition Types	Functional Team (S2P)
018	Configuration – Tax Code	Functional Team (S2P)

Pre-Load Validation

Project Team

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

Completeness

Task	Action
Configuration	Ensure necessary configurations are in place in target system and field mapping is aligned with access sequence, condition types
Review Mapping Table	Ensure all the source organization units are mapped with target values
Check Values	Validate the pre-load data confirming the values are aligned with target system format and
Validate template structure and required field population	Ensure mandatory fields are filled
Total number of records	SyWay S2P Data Team to verify that the total number of records in the Preload and Load Sheets are equal
Vendor Validation	Check if the vendor exists in the target system and is active for the Basic Data and Purchasing Organization. This object has to be loaded before Info Records and Price Conditions.
Material Validation	Check if the material exists in the target system and is active for the purchasing organization. This object has to be loaded before Info Records and Price Conditions.
Mandatory Field Check	Verify whether all mandatory Fields are properly updated: EINA-LIFNR EINA-MATNR EINE-EKORG EINE-WERKS EINE-WAERS EINE-NETPR EINE-BPRME EINE-PEINH EINE-WAERS EINA-MEINS
Info Record Category	Check if the Info Record Category (EINE-ESOKZ) has been properly migrated and in case of conversion check the final result. - Standard - Subcontracting - Consignment - Pipeline
Relevancy Rules	Develop automated reports to assess info record relevancy based on multiple criteria including Vendor (considering deletion flags, and purchasing organization), Material (and deletion flags) and price conditions validity

Accuracy

Task	Action
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Conversion Accuracy	SyWay S2P Data Team to verify that all fields below meet pass the checks: - Mandatory Fields - Field and Value Mapping Correctness - Null Checks - Text Length Checks - Check whether the all Business Rules proposed were respected
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
Value Format Validation	Ensure fields follow correct format for Dates / Currency / Decimals (according to user's logon)
Code & Value Mapping Validation	Check if all legacy values are mapped to valid target values (generally applicable for Materials / Vendors / UOM / Currency)
Referential Integrity Check	Validate that linked data exists and matches. Check cases like: - Material belongs to the Plant - Configuration exists for UOM / Currency
Duplicate Detection	Identify and remove duplicate entries in the dataset
Business Rule Compliance	Ensure compliance with agreed rules, for instance - material must have base UoM
Review Mapping Table	Ensure all the source organization units are mapped with target values
Check mapping rules against configuration, including the fields related to prices and conditions (access sequences, condition tables)	Cross-check mapping sheet with customizing entries
Perform format validation (date, currency, decimal separators)	Standardize format to match SAP accepted input (e.g., YYYYMMDD for dates)
Implement logic to detect duplicate condition records	Example: Run duplicate checks using key combinations (e.g., MATNR + EKORG + WERKS)
Conduct dry runs using LTMC or BAPIs and review logs	Analyze load results and correct format or conversion errors

Business

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

Completeness

Task	Action
Review populated templates for missing or incorrect values (confirm that all mandatory fields are populated, values are in scope, and field formats align with target S /4HANA definitions.
Ensure all required fields are properly covered	Confirm that Vendor, Material, Plant, Purchasing Organisation, Price, and Conditions are fully populated and consistent across EINA, EINE, and KONH/KONP datasets.
Validate coverage of in-scope Purchasing Organisations and Plants	Verify that all mapped EKORG and WERKS combinations exist for the <u>expected</u> materials and vendors.
Check that all relevant Condition Types are present	Confirm that each Info Record contains required pricing condition types (e.g. PBXX, FRA1, RA01) according to target Pricing Procedure. Consider as being mandatory to have a price for each Info Rec.
Verify language coverage for texts	Ensure that long texts (STXH/STXL) exist for at least English or another Syensqo language, and that obsolete or duplicate texts are removed (in case was expected)
Confirm accuracy of mapped values	Review mapped fields (e.g. Incoterms, Payment Terms, Currency) to ensure harmonization with approved master data mappings.
Validate deletion and blocking flags	Ensure no record is incorrectly marked as deleted or blocked unless explicitly confirmed by Syensqo Business.
Review price validity and activity	Confirm that validity dates (DATAB, DATBI) cover the go-live date and that prices reflect the latest active vendor conditions

Accuracy

Task	Action
Conversion Accuracy	Verify that all fields below meet pass the checks: - Mandatory Fields - Field and Value Mapping Correctness - Null Checks - Text Length Checks - Check whether the all Business Rules proposed were respected
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
Value Format Validation	Ensure fields follow correct format for Dates / Currency / Decimals (according to user's logon)
Code & Value Mapping Validation	Check if all legacy values are mapped to valid target values (generally applicable for Materials / Vendors / UOM / Currency)
Referential Integrity Check	Validate that linked data exists and matches. Check cases like: - Material belongs to the Plant - Configuration exists for UOM / Currency
Duplicate Detection	Identify and remove duplicate entries in the dataset
Business Rule Compliance	Ensure compliance with agreed rules, for instance - material must have base UoM
Outlier & Range Checks	Detect extreme or invalid values (e.g., out-of-range weights)


Load

The loading process includes:

1. Once the data is provided on the Staging Areas of Migration Cockpit and prerequisite activities are completed, the Data Loading process would be ready to be performed
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Loading Methods

Migration Cockpit has been elected to execute the data loading of Purchasing Info Records. The Loading Method has been defined as **MM - Purchasing info record with conditions**.

<  Migration Object ▾

MM - Purchasing info record with conditions

Loading Templates (Migration Cockpit)

Template	Loading File (.XML)
	Source data for MM - Purchasing info record with conditions.xml
	Source data for MM - Purchasing info record- extend existing record.xml
	Source data for Object classification - Purchasing info record (EINA).xml
Sample Loading File	Source data for MM - Purchasing info record with conditions (SYENSQO - GeneralData. GeneralText. PurchasingData. PriceConditionPB00. PurchasingTexts.).xml
DCT for Info Records	DCT SYENSQO - GeneralData. GeneralText. PurchasingData. PriceConditionPB00. PurchasingTexts.xlsx

Exclusion List

Using the description field, exclude all records that contain any of the following **Words** on it's description.

Word	Active	IndicatesDelete
(Del)	1	1
(DNU)	1	1
(OLD)	1	1

Load Run Sheet

Item #	Step Description	Team Responsible
001	Confirm readiness of final approved data sets for each ECC source system WP2 and PF2	Business / Functional Team
002	Validate transformation rules and mappings in Syniti tool	Data Team (S2P-Data)
003	Generate target-ready load files based on S/4HANA condition table format	Data Team (Syniti)
004	Review and approve load files before execution	Business / Functional Team
005	Execute automated data load using Syniti into the S/4HANA system (or generate manual load files if required)	Data Team (Syniti)
006	Monitor load progress and capture load statistics (records loaded, errors, duplicates, etc.)	Data Team (Syniti) / Technical Team
007	Extract loaded data from S/4HANA for post-load validation	Data Team (Syniti)
008	Perform post-load data validation (compare target data with source/approved files) for all loaded pricing condition types	Data Team (S2P-Data)
009	Log and resolve any data load errors or mismatches identified during validation	Data Team (S2P-Data) + Functional Team
010	Obtain business sign-off on successful load and validation	Business Team
011	Generate post load report is all steps are validated	Data Team (S2P-Data) / Data Team (Syniti)
012	Archive load logs, error reports, and validation results for audit/compliance	Data Team (S2P-Data) / Data Team (Syniti) / PMO

Load Phase and Dependencies

Configuration

Item #	Configuration Item	
001	Configurations	Ensure all configurations related to Info Records and Purchasing Conditions are active in the target S/4HANA environment. This includes condition tables (A017, A018), access sequences, condition types, calculation schema, and pricing procedures.
002	Organization Data	Confirm that all required Organizational Units (Purchasing Organizations, Plants, Company Codes, and Valuation Areas) are configured and available in the target system
003	Vendor Master Data	Vendors (LIFNR) must be loaded and extended to the relevant Purchasing Organizations and Company Codes before Info Records are created
004	Material Master Data	Materials (MATNR) must be loaded and extended to the relevant Plants and Purchasing Views before Info Record load execution
005	Unit of Measure & Currency	Validate that all UoM (MARM) and currency (TCUR*) configurations exist and match those used in the source Info Records and condition tables.

006	Tax and Incoterm Configuration	Ensure tax codes, Incoterm versions, and Incoterm values (INCO1/INCO2_L/INCOV) are configured in the target system
007	Purchasing Groups	Confirm all Purchasing Groups used in source Info Records are configured and mapped in S/4HANA.

Conversion Objects

Object #	Preceding Object Conversion Approach
Vendor	Execute a data conversion in order to retrieve the new vendor code
Material	Execute a data conversion in order to retrieve the new material code
Material Group	Execute a data conversion in order to retrieve the new material group
Unit of Measure (UoM)	Execute a data conversion in order to retrieve the new UoM code
Payment Terms	Execute a data conversion in order to retrieve the new Payment Term

Error Handling

Error Type	Error Description	Action Taken
Invalid Date Range	Valid From (DATAB) is after Valid To (DATBI)	Corrected the date range to ensure DATAB < DATBI and in required date format
Duplicate Records	Identical key combinations found more than once in the load file	Duplicates removed or merged as per business rule. Aligned with Business and documented for future loads
Unmapped Values	Values for fields like UoM, Currency, etc. not mapped in Syniti	Updated mapping tables; ensured value conversion aligned with S/4HANA settings
Invalid Currency Format	Incorrect currency formatting or unsupported currency code	Standardized to valid ISO currency codes (e.g., USD, EUR, JPY)
Invalid Number Format	KBETR or KPEIN contains special characters or comma separators	Cleaned formatting; ensured decimal values used with '.' as separator
Authorization Errors	Lack of access to execute load in target client /system	Raised access request; obtained necessary authorizations
Transformation Miss	Required transformation logic not applied before load	Re-applied transformation rules and revalidated source-target mapping
Obsolete Master Data	Vendor or material master data no longer exists in target system	Replaced or removed based on business input
Technical Load Failure	File not processed due to syntax/format error or system issue	Reviewed logs; regenerated file; re-executed load after resolving issue

Post-Load Validation

Project Team

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

Completeness

Task	Action
Ensure all required fields are properly covered	Confirm that Vendor, Material, Plant, Purchasing Organisation, Price, and Conditions are fully populated and consistent across EINA, EINE, and KONH/KONP datasets
Validate coverage of in-scope Purchasing Organisations and Plants	Verify that all mapped EKORG and WERKS combinations exist for the expected materials and vendors.
Check that all relevant Condition Types are present	Confirm that each Info Record contains required pricing condition types (e.g. PBXX, FRA1, RA01) according to target Pricing Procedure.

Verify language coverage for texts	Ensure that long texts (STXH/STXL) exist for at least English and project languages (FR/NL/DE/PT-BR), and that obsolete or duplicate texts are removed
Confirm accuracy of mapped values	Review mapped fields (e.g. Incoterms, Payment Terms, Currency) to ensure harmonization with approved master data mappings
Validate deletion and blocking flags	Ensure no record is incorrectly marked as deleted or blocked unless explicitly confirmed by business
Review price validity	Confirm that validity dates (DATAB, DATBI) cover the go-live date and that prices reflect the latest active vendor conditions.

Accuracy

Task	Action
Compare uploaded data against source file values	Use Custom reconciliation tools to validate the following <ol style="list-style-type: none"> Number of records loaded against load file Any mismatch in condition value, unit , validity period against each input record at the KEY combination level Ensure field by field value match across all loaded records
Verify Key Field Values	Ensure values like Condition Type, Material, Customer, Sales Org, Validity Dates, and Rates are correctly populated

Business

The involvement of the business team is essential to confirm the completeness and accuracy of Purchasing Conditions once the data is loaded into S/4HANA. By reviewing Info Records and their related condition records, they help ensure that the migration meets business expectations. This early validation minimizes the risk of errors, supports a seamless cutover, and guarantees that pricing mechanisms work as intended from the first day of system usage.

Completeness

Task	Action
Participate in Post-Load Walkthroughs	Join scheduled validation sessions with the migration and functional teams
Review Loaded Condition Records	Access the S/4HANA system to view loaded info records and purchasing price conditions
Check for Missing Records	Identify any missing records that were expected but not loaded

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., currency conversion, unit mappings) for correctness
Log and Report Discrepancies	Use provided discrepancy log format or defect management tool to report any findings

Syniti Reports

#	Topic	Jira Ticket	Creation Date	Resolution Date	
001	Total Number of Records (RAW) in WP2 and QP2				
003	Total Number of Records after applying data selection in WP2 and QP2				

004	Reports per Eligibility Reason <ul style="list-style-type: none"> Included and reason Excluded and reason 					
005	Report the Info Records without Tax Information EINA-MATNR EINA-LIFNR EINA-WERKS EINE-MWSKZ EINE-TXDAT_FROM EINE-TAX_COUNTRY					
006	Coordinate with Gaurav's team to develop automated reports to assess info record relevancy based on multiple criteria including vendor, material, deletion flags, and price conditions validity (35:26)					

Open Questions

#	Topic	Jira Ticket	Creation Date	Resolution Date	Solution Provided	Status	ANSWER
001	MDS Review CNV-1094: Missing info of Data Type & Length for all fields		23 Sept 2025				
003	Please mention on the MDS the clear rules on how pricing conditions (gross price, discounts, surcharges) must be maintained in the Info Record.		23 Sept 2025				
004	A mapping for Tax Codes are necessary (OLD NEW) Please provide the Config Workbook.		25 Sept 2025				
005	Currently, there is no defined data mapping for the field EINE-J_1BNBM (NCM Code). Should we assume a 1:1 load without conversion, given that the field is populated in the legacy system? Although this field is marked as not required, legacy data exists. How should we plan to handle the mapping for this case? Please mention on the MDS		25 Sept 2025				
006	Retention Level for Info Records: should all Info Records have a Plant (EINA-WERKS) assigned.						
007	Bhargavi: I've understood that ALL info records should be created at Plant Level, could you please confirm? Asking because there are data without a plant assigned in PF2 (>9k entries) / WP2 (=806 entries)						
008	Bhargavi: is it a decision that for the same retention level Material Vendor PurchOrg Plant a Contracts and Info Records cannot coexist on the same DB? In case this is a decision taken, should Info Records give priority to Contracts during the data migration and exclude the info record for those entries?						

MDS Review

#	Topic	Jira Ticket	Creation Date	Resolution Date	Solution Provided	Status	ANSWER
001	MDS Review CNV-1094: Missing info of Data Type & Length for all fields		23 Sept 2025				
003	<ol style="list-style-type: none"> Long Texts exists for Purchasing Info Records. Please adjust the MDS adding the tables STXH and STXL. Consider that long texts exist for EINA and EINE. <ol style="list-style-type: none"> Example WQ2-400: For EINA and EINE tables about 727.501 records Info Records prices for retention level A017 exist. Please adjust MDS, adding the below tables: PF2: A016, A017, A018 ==> 163.554 records analysed WP2: A016, A017, A018, A025, A067 and A068 ==> 311.123 records analysed 	PDM-691	02 Oct 2025				

Key Assumptions

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

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 310)	Apr 22, 2026 13:47	SLOAN-ext, Anthony	
v. 651	Mar 31, 2026 15:03	SLOAN-ext, Anthony	
v. 650	Mar 31, 2026 14:55	SLOAN-ext, Anthony	
v. 649	Mar 20, 2026 18:12	SLOAN-ext, Anthony	
v. 648	Mar 20, 2026 17:11	SLOAN-ext, Anthony	
v. 647	Mar 20, 2026 16:32	SLOAN-ext, Anthony	
v. 646	Mar 20, 2026 14:54	SLOAN-ext, Anthony	
v. 645	Feb 20, 2026 09:30	BUOSI-ext, Angelo	
v. 644	Feb 17, 2026 10:48	MADHOK-ext, Jasleen	
v. 643	Feb 07, 2026 10:55	MADHOK-ext, Jasleen	

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Workflow history

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