CNV-9040 Purchase Contracts

Lead Approval

Status	Lead Approval
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Stakeholders	

Purpose

The purpose of this document is to define the conversion approach to create 9040 - Purchasing Contracts and outline agreement in S/4 HANA.

A purchasing contract is a legally-binding purchase agreement that contains special conditions that are negotiated between a buyer and a seller, covering the supply of goods or the performance of services. The contract is valid for a specific period, during which goods and services are released against the contract. The purchasing contract enables buyers to create purchasing contracts for frequently procured goods or services. A released contract can be used as a source of supply for the procurement of goods or services through a purchase order, a goods and service acknowledgement or a supplier invoice. The releases made against the contract by these documents are updated in the contract..

An outline agreement in SAP MM is a long-term purchasing agreement with a vendor, defining terms, prices, and quantities for materials or services over a set period. The two main types are Contracts and Scheduling agreements,

In SAP ECC, contracts are as per the below

1. Quantity Contracts (Contract type MK)
2. Value Contracts (Contract type WK)
3. Catalog Contracts (Contract type ZWK)

in SAP ECC, there are few outline agreements to be migrated into S/4.

A quantity contract is defined as the type of contract where the total quantity to be ordered during the validity period of the contract is known in advance. The contract is regarded as fulfilled when release orders totaling a given quantity have been issued.

When material is required, a Purchase Order is created with reference to the Contract for delivery of the material. The Purchase Orders, created with reference to contracts, are also known as call-off orders.

A value contract is defined as is a long-term, legally binding agreement with a customer or vendor to purchase/supply goods or services up to a specified total monetary value within a set period. It does not specify exact delivery dates or quantities, allowing for flexible release orders until the target value is met.

A catalog contract in SAP is defined as specialized, legally binding, long-term procurement agreement (value or quantity) published within a digital catalog to enforce negotiated pricing, It streamlines compliant purchasing by automatically applying agreed rates to catalog items, enabling users to order directly from pre-approved, contract-covered items in SAP.

The outline purchase agreement is often referred to as a blanket or umbrella purchase order. It is basically a long-term agreement between the purchasing department and vendor for material or services for a defined period of time. The purchasing department negotiates with the vendor a set of terms and conditions that are fixed for the period of agreement.

Conversion Scope

The scope of this document covers the approach for converting active Purchasing Contracts from Legacy Source Systems into S/4HANA

The data from legacy system includes:

1. The plants and purchasing organizations are in the migration scope.
2. The material and vendor in the Contracts are in the migration scope.
3. The contract is still within the validity period.
4. Meta data for the contracts from Icertis (TBC- main source and need the data from R2 team).
5. ECC Source list will be the one of the source to identify the scope of the contracts.
6. Contracts scope will be verified with the one year consumption (TBC)
7. Company codes are in migration scope.
8. Material Groups are in migration scope.
9. Vendor + Purchasing Organizations combination is in migration scope at Purchasing Document Header data level

The data from legacy system excludes:

1. Deletion Indicator (EKKO-LOEKZ) = "X" at Purchasing Document Header level
2. Validity period End (EKKO-KDATE) < System date at Purchasing Document Header level
3. Deletion Indicator (EKPO-LOEKZ) = "X" at Purchasing Document Item Data level (at the record level)
4. Header contracts with no line item data.
5. Open Purchase Orders, Quotation requests

Notes (only for information):

1. If multiple records exist for the same material and vendor, select only the one with the most recent effective date.
2. Migrating SAP purchasing contracts requires converting released, approved legacy agreements into active S/4HANA contracts, often maintaining original contract IDs.
3. If Purchasing info record is already available, the price is taken from this info record.
4. Version management (document change management).
5. ternal services (planned and unplanned services).
6. Item categories (Third-Party, Enhanced Limits, Consignment, Subcontracting).
7. Multilevel item hierarchy.
8. Master Conditions - During the creation of outline agreements, you can specify just one time period for each variable key.
9. Scales are not supported during the creation of outline agreements.
10. Volume rebate conditions in outline agreements are not taken into account.
11. Material + Plant combination is in migration scope at Purchasing Document Item data level.
12. Only approved and released contracts can be migrated. Contracts must have valid "Valid From" dates to be utilized immediately upon migration.

Process-Flow diagram:

blocked URL

Important Tables for Purchasing Contracts:

1. EKKO: Purchasing Document Header data.
2. EKPO: Purchasing Document Item data.
3. EKKN: Account Assignment in Purchasing Document

The following structures or features are supported in SAP S/4HANA:

1. Header Data
2. Supplier Address
3. Header Texts
4. Item Data
5. Delivery Addresses
6. Account Assignment
7. Item Texts

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	Purchasing Contracts Header data	3500 Value contracts - 2390 Quantity contracts - 534 Catalog contracts - 342	S4HANA	3500 Value contracts - 2390 Quantity contracts - 534 Catalog contracts - 342
	Purchasing Contracts Line Item data	70257 Value contracts - 46935 Quantity contracts - 9837 Catalog contracts - 13485		70257 Value contracts - 46935 Quantity contracts - 9837 Catalog contracts - 13485
	Purchasing Contracts Account Assignment data	70257 Value contracts - 46935 Quantity contracts - 9837 Catalog contracts - 13485		70257 Value contracts - 46935 Quantity contracts - 9837 Catalog contracts - 13485
	Purchasing Contracts Conditions data (Condition Types PB00 - Gross Price, PC- Percentage Contract) - **S/4 will generate it.**	Around 80000		Around 80000

WP2	Purchasing Contracts Header data Purchasing Contracts Line Item data Purchasing Contracts Account Assignment data Purchasing Contracts Conditions data (Condition Types PB00 - Gross Price, PC- Percentage Contract)- **S/4 will generate it.**	1350 Value contracts - 537 Quantity contracts - 12 Catalog contracts - 801 42607 Value contracts - 21961 Quantity contracts - 41 Catalog contracts - 20605 42607 Value contracts - 21961 Quantity contracts - 41 Catalog contracts - 20605 Around 60000	S4HANA	1350 Value contracts - 537 Quantity contracts - 12 Catalog contracts - 801 42607 Value contracts - 21961 Quantity contracts - 41 Catalog contracts - 20605 42607 Value contracts - 21961 Quantity contracts - 41 Catalog contracts - 20605 Around 60000

Additional Information

Multi-language Requirement

N/A

Document Management

Legal Requirement

N/A

Special Requirements

Different countries/regions have differing legal requirements (TBC)

Any intercompany contracts (TBC)

Target Design

The technical design of the target for this conversion approach. . The below table shows the specific Tables and Key fields as per the Migration Cockpit Template will provide all the details for the target design

Field List for Migration Object: MM - Purchase contract								
Sheet Name	Group Name	Field Description	Importance	Type	Length	Decimal	SAP Structure	SAP Field
Header Data (mandatory)								
	Key	Purchasing Document	mandatory for sheet	Text	80		EKKO	EBELN
	General Data	Company Code	mandatory for sheet	Text	80		EKKO	BUKRS
		Purchasing Doc. Type	mandatory for sheet	Text	80		EKKO	BSART
		Purch. Doc. Category	mandatory for sheet	Char	1		EKKO	BSTYP Direct Mapping between ECC and SAP S/4 (Not in Data Migration Cockpit Template & Data Migration Cockpit Load template should be run for the below Purchasing Document Categories K - Contracts L- Outline Scheduling Agreement)

		Vendor Number (Supplier)	mandatory for sheet	Text	80		EKKO	LIFNR
		Purchasing Organization	mandatory for sheet	Text	80		EKKO	EKORG
		Purchasing Group	mandatory for sheet	Text	80		EKKO	EKGRP
		Currency	mandatory for sheet	Text	80		EKKO	WAERS
	Administrative Data	Document Date		Date			EKKO	BEDAT
		Validity Start		Date			EKKO	KDATB
		Validity End	mandatory for sheet	Date			EKKO	KDATE
	Terms of Delivery and Payment	Target Value (Header)		Nu mber	15	2	EKKO	KTWRT
		Exchange Rate		Nu mber	9	5	EKKO	WKURS
		Exchange Rate Fixed		Text	1		EKKO	KUFIX
		Terms of Payment Key		Text	80		EKKO	ZTERM
		Payment in- First Payment in Days		Nu mber	3		EKKO	ZBD1T
		CD Percentage 1 - Discount for First Payment in %		Nu mber	5	3	EKKO	ZBD1P
		Payment in= Second Payment in Days		Nu mber	3		EKKO	ZBD2P
		ZBD2P - Discount for Second Payment in %		Nu mber	5	3	EKKO	ZBD2P
		Cash Discount Days		Nu mber	3		EKKO	DSCNT3_TO ((N/A (Not used))
		Incoterms Version		Text	80		EKKO	INCOV ((N/A (Not used))
		Incoterms		Text	80		EKKO	INCO1
		Incoterms 2		Text	70		EKKO	IINCO2
		Incoterms Location 2		Text	70		EKKO	INCO3_L (N/A (Not used))
	Reference Data	Your Reference		Text	12		EKKO	IHREZ
		Our Reference		Text	12		EKKO	UNSEZ
		Sales Person		Text	30		EKKO	VERKF
		Telephone		Text	16		EKKO	TELF1
	Taxes	Country sls.tax no.		Text	80		EKKO	STCEG_L
Supplier Address (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		ADRC	LEGACY_NUMBER
	Supplier Address	City		Text	40		ADRC	CITY
		City Postal Code		Text	10		ADRC	POSTL_COD1
		Street		Text	40		ADRC	STREET
		House Number		Text	10		ADRC	HOUSE_NO
		Country/Region		Text	80		ADRC	COUNTRY
		Region		Text	80		ADRC	REGION
Header Texts(Not Applicable)								
	Key	Legacy Purchasing Document Number	mandatory for sheet	Text	80		STXH	LEGACY_NUMBER
	Text	Text ID	mandatory for sheet	Text	80		STXL	TDID
		Text	mandatory for sheet	Text	unrestr icted		STXL	TEXT
Item Data (mandatory)								
	Key	Purchasing Document	mandatory for sheet	Text	80		EKPO	EBELN
		Item	mandatory for sheet	Nu mber	5		EKPO	EBELP
	General Data	Higher-Level Item		Nu mber	5		EKPO	HL_ITEM (N/A (Not used))
		Item Is an Item Set		Text	1		EKPO	ISOUTLINE (N/A (Not used))
		Item Category		Text	80		EKPO	PSTYP
		Acct Assignment Cat.		Text	80		EKPO	KNTTP
		Material		Text	80		EKPO	MATNR
		Short Text		Text	40		EKPO	TXZ01
		Plant		Text	80		EKPO	WERKS
		Storage Location		Text	80		EKPO	LGORT
		Material Group		Text	80		EKPO	MATKL
		Product Type Group		Text	80		EKPO	PRODUCTTYPE (N/A (Not used))
		Confirmation Control		Text	80		EKPO	BSTAE

	Quantity and Price	Target Quantity		Number	13	3	EKPO	KTMNG
		Stand.rel.order.qty.		Number	13	3	EKPO	ABMNG
		Order Unit of Measure (ISO Format)		Text	80		EKPO	PO_UNIT_ISO ()N/A (Not used))
		Net Order Price		Number	28	2	EKPO	NETPR
		Price Unit		Number	5		EKPO	PEINH
		Price Unit of Measure (ISO Format)		Text	80		EKPO	BPRME
		Quantity Conversion		Number	5		EKPO	BPUMZ
		Quantity Conversion		Number	5		EKPO	BPUMN
		Info Record Update		Text	80		EKPO	SPINF
	Handling	1st Reminder/Exped.		Number	3		EKPO	MAHN1
		2nd Reminder/Exped.		Number	3		EKPO	MAHN2
		3rd Reminder/Exped.		Number	3		EKPO	MAHN3
		Planned Deliv. Time		Number	3		EKPO	PLIFZ
		Supp. Mat. No.		Text	35		EKPO	IDNLF
	GR/IR Control	Underdel. Tolerance		Number	3	1	EKPO	UNTTO
		Overdeliv. Tolerance		Number	3	1	EKPO	UEBTO
		Unltd Overdelivery		Text	1		EKPO	UEBTK
		Tax Code		Text	80		EKPO	MWSKZ
		Shipping Instr.		Text	80		EKPO	EVERS
		Kanban Indicator		Text	80		EKPO	KANBA
		IInvoice receipt		Text	1		EKPO	REPOS
		GR-Based Inv. Verif.		Text	1		EKPO	WEBRE
		Origin Acceptance		Text	1		EKPO	WEORA
	Process Flow Multiple Account Assignment	Distribut. Indicator		Text	80		EKPO	VRTKZ
		Partial Invoice		Text	80		EKPO	TWRKZ
	Terms of Delivery and Payment	Incoterms		Text	80		EKPO	INCO1
		ncoterms 2		Text	70		EKPO	INCO2
		Incoterms Location 2		Text	70		EKPO	INCO3_L (N/A(Not used))
Delivery Address (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		ADRC	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Number	5		ADRC	ITEM_NO
	Delivery Address	City		Text	40		ADRC	CITY
		City Postal Code		Text	10		ADRC	POSTL_COD1
		Street		Text	60		ADRC	STREET
		House Number		Text	10		ADRC	HOUSE_NO
		Country/Region		Text	80		ADRC	COUNTRY
		Region		Text	80		ADRC	REGION
Account Assignment								
	Key	Purchasing Documentr	mandatory for sheet	Text	80		EKKN	EBELN
		Item	mandatory for sheet	Number	5		EKKN	EBELP
		Account Assgmt No.	mandatory for sheet	Number	2		EKKN	ZEKKN
	Account Assignment	Quantity		Number	13	3	EKKN	MENGE
		Distribution		Number	3	1	EKKN	VPROZ
		G/L Account		Text	80		EKKN	SAKTO
		Cost Center		Text	80		EKKN	KOSTL
		Profit Center		Text	80		EKKN	PRCTR
		Order Number		Text	80		EKKN	AUFNR
		SD Document		Text	80		EKKN	VBELN
		Item		Number	6		EKKN	VBELP
		Schedule Line		Number	4		EKKN	VETEN

		WBS Element		Text	80		EKKN	PS_PSP_PNR
		Asset		Text	80		EKKN	ANLN1
		Sub-number		Text	4		EKKN	ANLN2
Item Texts (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		STXH /STXL	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Nu mber	5		STXH /STXL	EBELP
	Text	Text ID	mandatory for sheet	Text	80		STXH /STXL	TDID
		Text	mandatory for sheet	Text	unrestr icted		STXH /STXL	TEXT

Conditions Data

Conditions **See notes on Condition records below.**								
	Key	Condition Number		Text	10			KNUMV
		Item Number		Number	6			KPOSN
		Step Number		Number	3			STUNR
		Counter		Number	2			ZAEHK
	Conditions	Application		Text	2			KAPPL
		Condition Type		Text	4			KSCHL
		Condition Pricing Date		Date				KDATU
		Condition Base Value		Number	15	2		KAWRT
		Calculation Type		Text	1			KRECH
		Amount		Number	11	2		KBETR
		Currency Key		Text	5			WAERS
		Cond exchange rate		Number	9	5		KKURS
		Pricing Unit		Number	5	0		KPEIN
		Condition Unit		Text	3			KMEIN
		Numerator		Number	5	0		KUMZA
		Denominator		Number	5	0		KUMNE
		Condition Category		Text	1			KNTYP

NOTES on CONDITION RECORDS ((Confirmed by Youssef El Mokaddem)

In S/4HANA, purchasing Contracts Conditions data is stored in A016- Contract Item table When Purchasing Contracts are migrated via the Migration Cockpit, the system automatically generates a new condition document number (KNUMV) during Purchasing Contracts creation.

SAP purchasing contract conditions are stored primarily in A016 (condition record numbers by contract/item) and KONP (condition items/values), with pricing details in PRCD_ELEMENTS (S/4HANA) or KONV (ECC). These tables link contract document data (EKKO/EKPO) to pricing, discounts, and validity periods

For the conditions data make sure during the migration of contracts, the net price field (EKPO-NETPR) is well maintained to reflect the conditions data. All existing Price conditions (PB00 ; PC & ZI01) from ECC systems (WP2/PF2) will be migrated as part of Purchasing outline agreement creation with the new Price condition PMP0 in S/4.

Key SAP Purchasing Contract Condition Tables:

- A016: Document Index: Variable Key (Links contract to condition record number).
- KONP: Condition Item (Contains price, discount, or surcharge amount/percentage).
- PRCD_ELEMENTS: Pricing Element (S/4HANA - replaces KONV).
- KONV: Purchasing Condition Records (ECC).
- EKKO: Purchasing Document Header (Contract number).
- EKPO: Purchasing Document Item (Contract item).

Key Fields & Usage:

- Find Condition Records: Enter contract number (EBELN) and item (EBELP) in table A016 to find the condition record number (KNUMH).
- Get Condition Values: Pass the KNUMH from A016 to table KONP to get prices or percentages.
- Validity: Condition records are valid for specific periods stored within KONP.

There is no need to:

- Migrate A016 data
- Migrate KONV/KONP
- Maintain an XREF for KNUMV
- Populate EKKO/EKPO-KNUMV manually
- KNUMV is a technical, system-generated key and will be created automatically when the Purchasing Contracts and its conditions are loaded.

So the correct approach is to leave it blank — S/4 will generate it.

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
CR01	C-1	Purchasing Document Header with no line items	Extract purchasing Document Header data from EKKO table and Purchasing Document Line Item data from EKPO table then produce the cleaning report to the business for the purchasing document numbers at the header level but there is no line item exists.	Complete table extract	PF2/WP2
CR02	C-1	Purchasing Document Header with no Account assignment data	Extract purchasing Document Header data from EKKO table, Purchasing Document Line Item data from EKPO table and Account Assignment data from EKKN table where the Account Assignment Category (EKPO-KNTTP - Acct Assignment Cat.) field value is blank then produce the cleaning report to the business for the purchasing document numbers at the header level but there is no Account Assignment data	Complete table extract	PF2/WP2
CR03	C-2	Purchasing Document Header data is marked for the deletion but line item is active	Get the extract from EKKO where LOEKZ = "X" and generate the report from EKPO table where LOEKZ not equal to X	Complete table extract	PF2/WP2
CR04	C-2	Purchasing Document Header data is marked for the deletion but Account Assignment data is active	Get the extract from EKKO where LOEKZ = "X" and generate the report from EKKN table where LOEKZ not equal to X	Complete table extract	PF2/WP2
CR05	C-2	Purchasing Document Line Item data is marked for the deletion but Account Assignment data is active	Get the extract from EKPO where LOEKZ = "X" and generate the report from EKKN table where LOEKZ not equal to X	Complete table extract	PF2/WP2
VR01	C-2	Purchasing Contracts and Outline agreements with Invalid date	Generate a validation report from EKKO table where the Validity Period End date (KDATE) is less than or equal to system date		PF2/WP2
VR02	C-2	Purchasing Contracts and Outline agreements - Material is set for the deletion flag or blocked indicator	Generate a validation report from EKKO table where the Material (MATNR) is marked for the deletion or blocked or both		PF2/WP2
VR03	C-2	Purchasing Contracts and Outline agreements - Material is set for the deletion flag or blocked indicator at the plant level	Generate a validation report from EKKO table where the Material (MATNR) and Plant (WERKS) combination is marked for the deletion or blocked or both		PF2/WP2
VR04	C-2	Purchasing Contracts and Outline agreements - Vendor is set for the deletion flag or blocked indicator at the purchasing view level	Generate a validation report from LFM1 table where the Vendor (LIFNR) and Purchasing Organization (EKORG) combination is marked for the deletion or blocked or both		PF2/WP2

Conversion Process

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

Data Privacy and Sensitivity

Extraction

Extract data from a source into Syniti Knowledge Platform's (SKP) staging tables. There are 2 possibilities:

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

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

Extraction Run Sheet

Req #	Requirement Description	Team Responsible

1	Full extract of Purchase contracts and outline scheduling agreements data from legacy ECC systems, PF2/WP2. Application of filters to lower the volumes	Syniti
2	Extract of config tables to check if config/reference data is available in the system. These will be used in the Syniti jobs for validation purposes	Syniti
3	Extraction Scope Definition - Identify the source systems and databases involved. Define the data objects (tables, fields, records) to be extracted. Establish business rules for data selection.	Syniti / Data team
4	Extraction Methodology - Specify the extraction approach (full, incremental, or delta extraction). Determine the tools and technologies used. Define data filtering criteria to exclude irrelevant records.	Syniti
5	Extraction Execution Plan- Establish execution timelines and batch processing schedules. Assign responsibilities for extraction monitoring. Document dependencies on other migration tasks.	Syniti
6	Data Quality and Validation - Define error handling mechanisms for extraction failures.	Syniti

Selection Screen

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

Data Collection Template (DCT) - TBC

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

if business confirms that contract is needed then 'DCT' to be used to collect information for missing contracts (TBC)

DCT Rules

Field Name	Field Description	Rule
TBC		

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Ensure that the necessary cleansing activities in legacy sources (PF2, WP2) are complete	Data/Business
2	Ensure that create, change and deletion of master data is freeze in PF2, WP2 Production system	Syensqo IT
3	**Source System Availability** • Ensure that the source database or application is accessible. • Confirm that necessary credentials and permissions are granted	Syensqo IT
4	**Data Structure** • Identify relationships between tables, views, and stored procedures.	Syniti
5	**Referential Integrity** • Ensure dependent records are extracted together.	Syniti
6	**Extraction Methodology** • Define whether extraction is full, incremental, or delta-based. • Establish batch processing schedules for large datasets.	Syniti

7	**Performance and Scalability Considerations** • Optimize extraction queries to prevent system overload. • Ensure network bandwidth supports data transfer volumes.	Syniti
8	**Security and Compliance** • Adhere to regulatory standards for sensitive information if applicable	Syniti

Transformation

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

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

Value Mappings Register Link: MM Config Values.xlsx - Google Sheets

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Run EKKO, EKPO and EKKN Relevancy in Syniti	Syniti
2	Transformation Scope Definition - Identify the source and target data structures. - Define business rules for data standardization. - Establish data cleansing requirements to remove inconsistencies.	Data Team
3	Data Mapping and Standardization - Align source fields with target fields. - Ensure unit consistency (e.g., currency, measurement units)	Data Team
4	Business Rule Application - Implement data enrichment/collection if applicable - Apply conditional transformations based on predefined logic/business rules	Data Team
5	Transformation Execution Plan - Define batch processing schedules. - Assign responsibilities for monitoring execution. - Establish error-handling mechanisms	Syniti

Transformation Rules

Sheet Name	Group Name	Field Description	Importance	Type	Length	Decimal	Target Table	Target Field	Source Table	Source Field	Source Field Descriptions	Transformation Logic		
Header Data (mandatory)														
	Key	Purchasing Document	mandatory for sheet	Text	80		EKKO	EBELN	EKKO	EBELN	Purchasing Document	System Generated Number (TBC) Should be Unique		
	General Data	Company Code	mandatory for sheet	Text	80		EKKO	BUKRS	EKKO	BUKRS	Company Code	XREF Derive via legacy to S/4 Company Code mapping It is validated against relevant Company Code available in S/4 HANA. Customizing. Values of the Company Code already included in the "MM configuration values document"- Enterprise Structure tab.		
		Purchasing Doc. Type	mandatory for sheet	Text	80		EKKO	BSART	EKKO	BSART	Purchasing Doc. Type	Direct Mapping MK - Quantity Contract WK- Value Contract Value Mapping (TBC, please go ahead with the assumption of direct mapping) ZWK - CatLog contract		

	Purch. Doc. Category	mandatory for sheet	Char	1		EKKO	BSTYP	EKKO	BSTYP	Purch. Doc. Category	BSTYP , Direct Mapping between ECC and SAP S.4 (Not in Data Migration Cockpit Template & Data Migration Cockpit Load template should be run for the below Purchasing Document Categories K - Contracts L- Outline Scheduling Agreement)
	Vendor Number (Supplier)	mandatory for sheet	Text	80		EKKO	LIFNR	EKKO	LIFNR	Vendor Number (Supplier)	XREF Derive via legacy to S/4 Business Partner mapping Vendor used for Procurement & will take only those vendors which will be responsible for particular Purchasing Organization and Plant.(Applicable for both preload and post load)
	Purchasing Organization	mandatory for sheet	Text	80		EKKO	EKORG	EKKO	EKORG	Purchasing Organization	XREF Derive via legacy to S/4 Purchasing Organization mapping It is validated against relevant Purchase Organizations available in S/4 HANA. Customizing. Values of the Purchase Organizations already included in the "MM configuration values document"- Enterprise Structure tab. Rule: Check table LFM1 whether Vendor is extended to Purchasing Organization (EKORG) (Applicable for preload only as the record which are having vendors not extended to purchasing organization will fail in preload and hence won't pass through to load file and post load)
	Purchasing Group	mandatory for sheet	Text	80		EKKO	EKGRP	EKKO	EKGRP	Purchasing Group	XREF Derive via legacy to S/4 Purchasing Group mapping It is validated against relevant Purchasing Groups available in S/4 HANA.
	Currency	mandatory for sheet	Text	80		EKKO	WAERS	EKKO	WAERS	Currency	XREF Derive via legacy to S/4 Purchasing Currency code mapping Information: Defaulted from Vendor Master: LFM1-WAERS (in General)
Administrative Data	Document Date		Date			EKKO	BEDAT	EKKO	BEDAT	Document Date	Direct Mapping Date when Contract signed off
	Validity Start		Date			EKKO	KDATB	EKKO	KDATB	Validity Start	Direct Mapping Start date of validity period of Contract.
	Validity End	mandatory for sheet	Date			EKKO	KDATE	EKKO	KDATE	Validity End	Direct Mapping End date of validity period of Contract. Only Contracts with End of validity period date in the future should be migrated
Terms of Delivery and Payment	Target Value (Header)		Number	15	2	EKKO	KTWRT	EKKO	KTWRT	Target Value (Header)	Direct Mapping Information: Target value is Mandatory for Value Contract type - WK.
	Exchange Rate		Number	9	5	EKKO	WKURS	EKKO	WKURS	Exchange Rate	Direct Mapping
	Exchange Rate Fixed		Text	1		EKKO	KUFIX	EKKO	KUFIX	Exchange Rate Fixed	N/A - Not used in ECC Information: Only populated if exchange rate is fixed X- Yes Blank - No
	Terms of Payment Key		Text	80		EKKO	ZTERM	EKKO	ZTERM	Terms of Payment	XREF Values of the payment terms already included in the "MM configuration values document"- BP Suppliers tab: Rule: validation needs to be done against the S/4 approved payment terms.
	Payment in		Number	3		EKKO	ZBD1T	EKKO	ZBD1T	Payment in	Direct Mapping
	CD Percentage 1		Number	5	3	EKKO	ZBD1P	EKKO	ZBD1P	CD Percentage 1	Direct Mapping
	Payment in		Number	3		EKKO	ZBD2T	EKKO	ZBD2T	Payment in	Direct Mapping
	CD Percentage 2		Number	5	3	EKKO	ZBD2P	EKKO	ZBD2P	CD Percentage 2	Direct Mapping
	Cash Discount Days		Number	3		EKKO	DSCNT3_TO	N/A	N/A	N/A	N/A (Not used)
	Incoterms Version		Text	80		EKKO	INCOV	N/A	N/A	N/A	N/A (Not used)
	Incoterms		Text	80		EKKO	INCO1	EKKO	INCO1	Incoterms	XREF Derive via legacy to S/4 Incoterms mapping

												Customizing. Values of the payment terms already included in the "MM configuration values document"- BP Suppliers tab:		
		Incoterms 2		Text	70		EKKO	INCO2	EKKO	INCO2	Incoterms 2	Direct Mapping		
		Incoterms Location 2		Text	70		EKKO	INCO3_L	N/A	N/A	N/A	N/A (Not used)		
	Reference Data	Your Reference		Text	12		EKKO	IHREZ	EKKO	IHREZ	Your Reference	Direct Mapping		
		Our Reference		Text	12		EKKO	UNSEZ	EKKO	UNSEZ	Our Reference	Direct Mapping		
		Sales Person		Text	30		EKKO	VERKF	EKKO	VERKF	Salesperson	XREF Information: Sales Person XREF to be build and design the mapping between the legacy and S/4 sales persons		
		Telephone		Text	16		EKKO	TELF1	EKKO	TELF1	Telephone	Direct Mapping		
	Taxes	Country sls. tax no.		Text	80		EKKO	STCEG_L	EKKO	STCEG_L	Country sls.tax no.	Direct Mapping		
Item Data (mandatory)														
	Key	Purchasing Document	mandatory for sheet	Text	80		EKPO	EBELN	EKPO	EBELN	Purchasing Document	System Generated Number (TBC) Should be Unique		
												Should be Unique		
		Item	mandatory for sheet	Number	5		EKPO	EBELP	EKPO	EBELP	Item	System Generated Number but make sure to have every line item in the scope for the purchasing Document Number.		
												Duplicacy need to be removed based on Material and Plant Combination with Agreement no.		
	General Data	Higher-Level Item		Number	5		EKPO	HL_ITEM	N/A	N/A	N/A	N/A (Not used)		
		Item Is an Item Set		Text	1		EKPO	ISOUTLINE	N/A	N/A	N/A	N/A (Not used)		
		Item Category		Text	80		EKPO	PSTYP	EKPO	PSTYP	Item category	XREF		
												Item category will be used on depending upon procurement. If we want to used o subcontracting, consignment and stock transfer process then we need to use item category K & L		
		Acct Assignment Cat.		Text	80		EKPO	KNTTP	EKPO	KNTTP	Acct Assignment Cat.	XREF		
												It has to be decided based on the legacy data and map to the respective account assignment as per Global Template. Varies according to the purchase order.		
												If Item Category Blank and Account Assignment Blank, Material number is required		
		Material		Text	80		EKPO	MATNR	EKPO	MATNR	Material	XREF		
												Derive via legacy to S/4 Material Master mapping.		
												Material number is optional. If material requires need to use mapping between legacy and new Material numbers		
		Short Text		Text	40		EKPO	TXZ01	EKPO	TXZ01	Short Text	Direct Mapping		
												When Material number provided material short text would be copied from material Master.		
												For Contracts without Materials Short text need to be populated manually or copied from Legacy Contract Technical explanation: So when material number is provided, mapping will be from MAKT - MAKTX (where SPRAS=E). And when its without materials, short text to be mapped from EKPO-TXZ01		
		Plant		Text	80		EKPO	WERKS	EKPO	WERKS	Plant	XREF		
												Derive via legacy to S/4 Plant mapping.		
		Storage Location		Text	80		EKPO	LGORT	EKPO	LGORT	Storage Location	XREF		
												Storage location is optional in the Contract and couldn't be populated if Plant is blank		
		Material Group		Text	80		EKPO	MATKL	EKPO	MATKL	Material Group	XREF		
												Derive via legacy to S/4 Material Group mapping.		
		Product Type Group		Text	80		EKPO	PRODUCTTYPE	N/A	N/A	N/A	N/A (Not used)		
		Confirmation Control		Text	80		EKPO	BSTAE	EKPO	BSTAE	Confirmation Control	XREF Derive via legacy to S/4 Confirmation Control Key mapping.		

Quantity and Price	Target Quantity		Number	13	3	EKPO	KTMNG	EKPO	KTMNG	Target Quantity	Direct Mapping For Quantity Contract type MK Target quantity should be migrated as-is to to-be. Default Value : For Value Contract type WK and CatLog contract type ZWK Target quantity could be defined as 1. Information only: For migrated Contracts only open Target quantity should be populated (Applicable for both preload and post load)		
	Stand.rel. order.qty.		Number	13	3	EKPO	ABMNG	EKPO	ABMNG	Stand.rel. order.qty.	Direct Mapping		
	Order Unit of Measure (ISO Format)		Text	80		EKPO	PO_UNIT_ISO	N/A	N/A	N/A	N/A (Not used)		
	Net Order Price		Number	28	2	EKPO	NETPR	EKPO	NETPR	Net Order Price	Direct Mapping Information (as per the process): If an info record already exists for this position, the price will be taken over from this info record.		
	Price Unit		Number	5		EKPO	PEINH	EKPO	PEINH	Price unit	Direct Mapping Information (as per the process): If an info record already exists for this position, the price unit will be taken over from this info record.		
	Price Unit of Measure (ISO Format)		Text	80		EKPO	BPRME	EKPO	BPRME	Order Price Unit	XREF Value mapping template should be defined between legacy and S/4 for the Order Price Unit		
	Quantity Conversion		Number	5		EKPO	BPUMZ	EKPO	BPUMZ	Quantity Conversion	Direct Mapping		
	Quantity Conversion		Number	5		EKPO	BPUMN	EKPO	BPUMN	Quantity Conversion	Direct Mapping		
	Info Record Update		Text	80		EKPO	SPINF	EKPO	SPINF	Info Record Update	Direct Mapping		
Handling	1st Reminder /Exped.		Number	3		EKPO	MAHN1	EKPO	MAHN1	1st Reminder /Exped.	Direct Mapping		
	2nd Reminder /Exped.		Number	3		EKPO	MAHN2	EKPO	MAHN2	2nd Reminder /Exped.	Direct Mapping		
	3rd Reminder /Exped.		Number	3		EKPO	MAHN3	EKPO	MAHN3	3rd Reminder /Exped.	Direct Mapping		
	Planned Deliv. Time		Number	3		EKPO	PLIFZ	EKPO	PLIFZ	Planned Deliv. Time	Direct Mapping		
	Supp. Mat. No.		Text	35		EKPO	IDNLF	EKPO	IDNLF	Supp. Mat. No.	Direct Mapping		
GR/IR Control	Underdel. Tolerance		Number	3	1	EKPO	UNTTO	EKPO	UNTTO	Underdel. Tolerance	Direct Mapping		
	Overdeliv. Tolerance		Number	3	1	EKPO	UEBTO	EKPO	UEBTO	Overdeliv. Tolerance	Direct Mapping		
	Unltd Overdelivery		Text	1		EKPO	UEBTK	EKPO	UEBTK	Unltd Overdelivery	Direct Mapping		
	Tax Code		Text	80		EKPO	MWSKZ	EKPO	MWSKZ	Tax Code	XREF Value mapping template should be defined between legacy and s/4 for the Tax Code		
	Shipping Instr.		Text	80		EKPO	EVERS	EKPO	EVERS	Shipping Instr.	XREF Value mapping template should be defined between legacy and s/4 for the shipping instructions		
	Kanban Indicator		Text	80		EKPO	KANBA	EKPO	KANBA	Kanban Indicator	N/A (Not used)		
	Invoice receipt		Text	1		EKPO	REPOS	EKPO	REPOS	Invoice receipt	Direct Mapping		
	GR-Based Inv. Verif.		Text	1		EKPO	WEBRE	EKPO	WEBRE	GR-Based Inv. Verif.	Direct Mapping		
	Origin Acceptance		Text	1		EKPO	WEORA	EKPO	WEORA	Origin Acceptance	N/A(Not used)		

	Process Flow Multiple Account Assignment	Distribut. Indicator		Text	80		EKPO	VRTKZ	EKPO	VRTKZ	Distribut. Indicator	Direct Mapping		
		Partial Invoice		Text	80		EKPO	TWRKZ	EKPO	TWRKZ	Partial invoice	Direct Mapping		
	Terms of Delivery and Payment	Incoterms		Text	80		EKPO	INCO1	EKPO	INCO1	Incoterms	XREF		
												Derive via legacy to S/4 Incoterms mapping		
												Customizing. Values of the payment terms already included in the "MM configuration values document"- BP Suppliers tab:		
		Incoterms 2		Text	70		EKPO	INCO2	EKPO	INCO2	Incoterms 2	Direct Mapping		
		Incoterms Location 2		Text	70		EKPO	INCO3_L	EKPO	INCO3_L	Incoterms Location 2	N/A(Not used)		
Account Assignment														
	Key	Purchasing Document	mandatory for sheet	Text	80		EKKN	EBELN	EKKN	EBELN	Purchasing Document	System Generated Number TBC)		
												Should be Unique		
												Applicable if Account Assignment Category is NOT BLANK		
		Item	mandatory for sheet	Number	5		EKKN	EBELP	EKKN	EBELP	Item	System Generated Number but make sure to have every line item in the scope for the purchasing Document Number.		
												Duplicacy need to be removed based on Material and Plant Combination with Agreement no.		
												Applicable if Acc Assignment Category is NOT BLANK		
		Account Assgmt No.	mandatory for sheet	Number	2		EKKN	ZEKKN	EKKN	ZEKKN	Account Assgmt No.	Mandatory		
												Will default it to 1. As multiple account assignment is not in scenario		
												Applicable if Acc Assignment Category is NOT BLANK		
	Account Assignment	Quantity		Number	13	3	EKKN	MENGE	EKKN	MENGE	Quantity	Direct Mapping		
		Distribution		Number	3	1	EKKN	VPROZ	EKKN	VPROZ	Distribution	Direct Mapping		
		G/L Account		Text	80		EKKN	SAKTO	EKKN	SAKTO	G/L Account	XREF		
												Derive via legacy to S/4 G/L Accounts Mapping (Business input and validation also required)		
												Applicable if Acc Assignment Category is NOT BLANK		
		Cost Center		Text	80		EKKN	KOSTL	EKKN	KOSTL	Cost Center	XREF		
												Derive via legacy to S/4 Cost Centres Mapping (Business input and validation also required)		
												Applicable if Acc Assignment Category is NOT BLANK		
		Profit Center		Text	80		EKKN	PRCTR	EKKN	PRCTR	Profit Center	XREF		
												Derive via legacy to S/4 Cost Centres Mapping (Business input and validation also required)		
												Applicable if Acc Assignment Category is NOT BLANK		
		Order Number		Text	80		EKKN	AUFNR	EKKN	AUFNR	Order Number	Direct Mapping		
		SD Document		Text	80		EKKN	VBELN	EKKN	VBELN	SD Document	XREF		
		Item		Number	6		EKKN	VBELP	EKKN	VBELP	Item	Direct Mapping		
		Schedule Line		Number	4		EKKN	VETEN	EKKN	VETEN	Schedule Line	Direct Mapping		
		WBS Element		Text	80		EKKN	PS_PSP_PNR	EKKN	PS_PSP_PNR	WBS Element	XREF		
												Derive via legacy to S/4 WBS Elements Mapping (Business input and validation also required)		
												Information as per the process : WBS populated if Account Assignment Category is P		
		Asset		Text	80		EKKN	ANLN1	EKKN	ANLN1	Asset	Direct Mapping (TBC based on the Assets number range)		

												Information as per the process : Asset Number populated if Account Assignment Category is A		
		Sub-number		Text	4		EKKN	ANLN2	EKKN	ANLN2	Sub-number	Direct Mapping		
												Information as per the process : Asset Number populated if Account Assignment Category is A		

Transformation Mapping

Value mapping tables google drive path - MM Config Values.xlsx - Google Sheets

Transformation mapping sheet google drive path - Conversion Specification - Mappings - Google Sheets

Mapping Table Name	Mapping Table Description
Material	XREF - Legacy to SyWay S4
Plant	XREF - Legacy to SyWay S4
Vendor Number	XREF - Legacy to SyWay S4
Company Code	XREF - Legacy to SyWay S4
Purchasing Organization	XREF - Legacy to SyWay S4
Purchasing Group	XREF - Legacy to SyWay S4
Incoterms	XREF - Legacy to SyWay S4
Shipping Instructions	XREF - Legacy to SyWay S4
Storage Location	XREF - Legacy to SyWay S4
Tax code	XREF - Legacy to SyWay S4
Currency	XREF - Legacy to SyWay S4
Terms of Payment	XREF - Legacy to SyWay S4
Item Category	XREF - Legacy to SyWay S4
Acct Assignment Cat.	XREF - Legacy to SyWay S4
Material Group	XREF - Legacy to SyWay S4
Confirmation Control	XREF - Legacy to SyWay S4
Order Price Unit	XREF - Legacy to SyWay S4
G/L Account	XREF - Legacy to SyWay S4
Cost Center	XREF - Legacy to SyWay S4
Profit Center	XREF - Legacy to SyWay S4
WBS Element	XREF - Legacy to SyWay S4
Sales Document Number	XREF - Legacy to SyWay S4
Sales document item number	XREF - Legacy to SyWay S4
Sales person	XREF - Legacy to SyWay S4

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Data has been extracted from sources systems from the relevant tables	Syniti
2	Data merged	Syniti
3	Ensure that all required Configurations are in S/4 HANA - (Config documents should be complete)	Data Team/Syniti
4	XREF tables are ready	Data Team/Syniti
5	Source Data Integrity - Ensure extracted data is complete, accurate, and consistent. - Validate that data types and formats align with transformation requirements.5	Syniti
6	Referential Integrity - Ensure dependent records are transformed together or in advance,	Syniti

7	Transformation Logic and Mapping - Define data mapping rules between source and target schemas. Value Mappings Google Drive path - TBC	Data Team
8	Performance and Scalability Considerations - Optimize transformation processes for large datasets. - Ensure system resources can handle transformation workloads	Syniti
9	Logging and Error Handling - Maintain detailed logs of transformation activities. - Define error-handling procedures for failed transformations	Syniti

Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Count	Verify that the record count in the pre-load file is the same as the record count based on the relevancy (including deduplication) results
Verify Count (Others)	Pre-Load validations record counts will be done to verify completeness and accuracy of the transformed data against DCT approved. - TBC
Validate the mandatory fields	Validate there is value for all the mandatory fields
Validate Primary Keys and Unique Constraints	Check for duplicate or missing primary key values, Ensure unique constraints are maintained
Test Referential Integrity	Confirm dependent records exist in related tables

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.
Valid to dates	Check valid to dates are migrated correctly
Valid from dates	Check valid from dates are migrated correctly
Valid to and from date	Verify date formats YYYYMMDD
Error Reports	Verify that all necessary error reports have been validated and that errors have been addressed.
Check Data Consistency	Compare field values across systems Validate data formats and structures

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 Syniti must be built to help check.
Valid to dates	Check valid to dates are migrated correctly
Valid from dates	Check valid from dates are migrated correctly
Valid to and from dates	Verify date formats YYYYMMDD
Verify Count (Others)	Pre-Load validations record counts will be done to verify completeness and accuracy of the transformed data against DCT approved. (TBC)
Verify Relevancy Rules	Verify that the relevancy rules were correctly applied

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 reports/SAP reports
Review Error Reports	Verify that all necessary error reports have been validated, and that errors have been addressed.
Verify Transformation Rules	Verify that the transformation rules are correct and have been carried out correctly

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 Team/Functional - S2P
2	Verify data merged	Data Team/Functional - S2P
3	Verify XREF's are ready	Data Team/Functional - S2P
4	Verify reference data is in the system	Data Team/Functional - S2P
5	Verify Config is in the system	Data Team/Functional - S2P
6	Verify other necessary data has been loaded int he system (Plant, Material, Vendor, Company Code...)	Data Team/Functional - S2P
7	Release - Load signoff and go-ahead by Functional/Data Owner	Functional/Data Owner - S2P
8	Approval to stage/Pre-stage steps	Functional/Data Owner - S2P
9	Cross references/Value mappings imported into environment	Syniti
10	Extraction from source	Syniti
11	Extraction from S4 where needed	Syniti
12	Stage data for transformations	Syniti
13	Run transforms	Syniti
15	Provide access to Business to view the data in SKP	Syniti
16	Execute pre-load report	Syniti
17	Validate preload report - release	Syniti
18	Prepare and simulate	Syniti
19	Pre-load verification and approval to load	Functional/Data Owner - S2P
20	Load to S4	Syniti
21	Complete Jira steps, Volumes and Timings	All - where applicable
22	Execute post-load report	Syniti
23	Post-load report verification/validation	Data Team/Functional/Data Owner - S2P
24	Object load completion approval	Data Owner - S2P
25	Load Scope Definition - Identify the target system and database structure. - Define data objects (tables, fields, records) to be loaded. - Establish business rules for data validation.	Data team
26	Load Methodology - Specify the loading tools and technologies (Migration Cockpit, LSMW, custom loading program).	Syniti
27	Data Quality and Validation - Ensure data integrity checks (null values, duplicates, format validation). - Perform pre-load validations to verify completeness. - Define error handling mechanisms for load failures	Syniti

28	Load Execution Plan - Establish execution timelines and batch processing schedules. - Assign responsibilities for monitoring execution. - Document dependencies on other migration tasks	Syniti
29	Logging and Reporting - Maintain detailed logs of loading activities. - Generate summary reports on loaded data volume and quality. - Define escalation procedures for errors	Syniti

Load Phase and Dependencies

Pre-requisites:

1) Vendor Master Data

2) Material Master data

3) Material Groups

4) Purchasing Info Records

5) G/L Accounts

6) Cost Centers

7) Profit Centers

8) WBS Elements

9) Asset Master Data

10) Sales Order data

S/4 HANA Data Migration Cockpit Template (for the reference to Syniti team to help - technical build for the conversion program)

Field List for Migration Object: MM - Purchase contract								
Sheet Name	Group Name	Field Description	Importance	Type	Length	Decimal	SAP Structure	SAP Field
Header Data (mandatory)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_EKKO	LEGACY_NUMBER
	General Data	Company Code	mandatory for sheet	Text	80		S_EKKO	BUKRS
		Agreement Type	mandatory for sheet	Text	80		S_EKKO	BSART
		Supplier's Account Number	mandatory for sheet	Text	80		S_EKKO	LIFNR
		Purchasing Organization	mandatory for sheet	Text	80		S_EKKO	EKORG
		Purchasing Group	mandatory for sheet	Text	80		S_EKKO	EKGRP
		Currency Key (ISO Format)	mandatory for sheet	Text	80		S_EKKO	WAERS
	Administrative Data	Agreement Date		Date			S_EKKO	BEDAT
		Start of Validity Period		Date			S_EKKO	KDATB
		End of Validity Period	mandatory for sheet	Date			S_EKKO	KDATE
	Terms of Delivery and Payment	Target Value		Number	15	2	S_EKKO	KTWRT
		Exchange Rate		Number	9	5	S_EKKO	WKURS
		Indicator for Fixed Exchange Rate		Text	1		S_EKKO	KUFIX
		Terms of Payment Key		Text	80		S_EKKO	ZTERM
		First Payment in Days		Number	3		S_EKKO	DSCNT1_TO
		Discount for First Payment in %		Number	5	3	S_EKKO	DSCT_PCT1
		Second Payment in Days		Number	3		S_EKKO	DSCNT2_TO
		Discount for Second Payment in %		Number	5	3	S_EKKO	DSCT_PCT2
		Cash Discount Days		Number	3		S_EKKO	DSCNT3_TO
		Incoterms Version		Text	80		S_EKKO	INCOV
		Incoterms		Text	80		S_EKKO	INCO1
		Incoterms Location 1		Text	70		S_EKKO	INCO2_L
		Incoterms Location 2		Text	70		S_EKKO	INCO3_L
	Reference Data	Your Reference		Text	12		S_EKKO	IHREZ
		Our Reference		Text	12		S_EKKO	UNSEZ
		Sales Person		Text	30		S_EKKO	VERKF
		Telephone		Text	16		S_EKKO	TELF1
	Taxes	Country/Region of Sales Tax ID Number		Text	80		S_EKKO	STCEG_L
Supplier Address (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_ADRC	LEGACY_NUMBER

	Supplier Address	City		Text	40		S_ADRC	CITY
		City Postal Code		Text	10		S_ADRC	POSTL_COD1
		Street		Text	40		S_ADRC	STREET
		House Number		Text	10		S_ADRC	HOUSE_NO
		Country/Region		Text	80		S_ADRC	COUNTRY
		Region		Text	80		S_ADRC	REGION
Header Texts(Not Applicable)								
	Key	Legacy Purchasing Document Number	mandatory for sheet	Text	80		S_EKKO_TEXT	LEGACY_NUMBER
	Text	Text ID	mandatory for sheet	Text	80		S_EKKO_TEXT	TDID
		Text	mandatory for sheet	Text	unrestricted		S_EKKO_TEXT	TEXT
Item Data (mandatory)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_EKPO	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Number	5		S_EKPO	EBELP
	General Data	Higher-Level Item		Number	5		S_EKPO	HL_ITEM
		Item Is an Item Set		Text	1		S_EKPO	ISOUTLINE
		Item Category		Text	80		S_EKPO	PSTYP
		Account Assignment Category		Text	80		S_EKPO	KNTTP
		Product		Text	80		S_EKPO	MATNR
		Short Text		Text	40		S_EKPO	TXZ01
		Plant		Text	80		S_EKPO	WERKS
		Storage Location		Text	80		S_EKPO	LGORT
		Product Group		Text	80		S_EKPO	MATKL
		Product Type Group		Text	80		S_EKPO	PRODUCTTYPE
		Confirmation Control Key		Text	80		S_EKPO	BSTAE
	Quantity and Price	Target Quantity		Number	13	3	S_EKPO	KTMNG
		Release Order Quantity		Number	13	3	S_EKPO	ABMNG
		Order Unit of Measure (ISO Format)		Text	80		S_EKPO	PO_UNIT_ISO
		Net Price		Number	28	2	S_EKPO	NETPR
		Price Unit		Number	5		S_EKPO	PEINH
		Price Unit of Measure (ISO Format)		Text	80		S_EKPO	BPRME
		Numerator Conv. Price Unit -> Order Unit		Number	5		S_EKPO	BPUMZ
		Denominator Conv. Price Unit->Order Unit		Number	5		S_EKPO	BPUMN
		Update Info Record		Text	80		S_EKPO	SPINF
	Handling	First Reminder/Expediter		Number	3		S_EKPO	MAHN1
		Second Reminder/Expediter		Number	3		S_EKPO	MAHN2
		Third Reminder/Expediter		Number	3		S_EKPO	MAHN3
		Planned Delivery Duration in Days		Number	3		S_EKPO	PLIFZ
		Product Number Used by Supplier		Text	35		S_EKPO	VEND_MAT
	GR/IR Control	Underdelivery Tolerance Limit		Number	3	1	S_EKPO	UNTTO
		Overdelivery Tolerance Limit		Number	3	1	S_EKPO	UEBTO
		Indicator:Unlimited Overdelivery Allowed		Text	1		S_EKPO	UEBTK
		Tax Code		Text	80		S_EKPO	MWSKZ
		Shipping Instruction		Text	80		S_EKPO	EVERS
		Kanban Indicator		Text	80		S_EKPO	KANBA
		Indicator: Invoice Receipt		Text	1		S_EKPO	REPOS
		Indicator: GR-Based Invoice Verification		Text	1		S_EKPO	WEBRE
		Indicator: Acceptance At Origin		Text	1		S_EKPO	WEORA
	Process Flow Multiple Account Assignment	Distribution		Text	80		S_EKPO	VRTKZ
		Partial Invoice		Text	80		S_EKPO	TWRKZ
	Terms of Delivery and Payment	Incoterms		Text	80		S_EKPO	INCO1
		Incoterms Location 1		Text	70		S_EKPO	INCO2_L
		Incoterms Location 2		Text	70		S_EKPO	INCO3_L
Delivery Address (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_ADRC_2	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Number	5		S_ADRC_2	ITEM_NO
	Delivery Address	City		Text	40		S_ADRC_2	CITY
		City Postal Code		Text	10		S_ADRC_2	POSTL_COD1
		Street		Text	60		S_ADRC_2	STREET
		House Number		Text	10		S_ADRC_2	HOUSE_NO
		Country/Region		Text	80		S_ADRC_2	COUNTRY
		Region		Text	80		S_ADRC_2	REGION
Account Assignment								

	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_EKKN	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Number	5		S_EKKN	ITEM_NO
		Sequential Number of Account Assignment	mandatory for sheet	Number	2		S_EKKN	SERIAL_NO
	Account Assignment	Quantity		Number	13	3	S_EKKN	MENGE
		Distribution Percentage		Number	3	1	S_EKKN	VPROZ
		G/L Account Number		Text	80		S_EKKN	GL_ACCOUNT
		Cost Center		Text	80		S_EKKN	COSTCENTER
		Profit Center		Text	80		S_EKKN	PROFIT_CTR
		Order		Text	80		S_EKKN	ORDERID
		Sales and Distribution Document Number		Text	80		S_EKKN	SD_DOC
		Sales Document Item		Number	6		S_EKKN	ITM_NUMBER
		Sales Order Delivery Schedule Line Item		Number	4		S_EKKN	ETENR
		WBS Element		Text	80		S_EKKN	WBS_ELEMENT
		Main Asset Number		Text	80		S_EKKN	ASSET_NO
		Asset Subnumber		Text	4		S_EKKN	SUB_NUMBER
Item Texts (Not Applicable)								
	Key	Legacy Agreement Number	mandatory for sheet	Text	80		S_EKPO_TEXT	LEGACY_NUMBER
		Item Number of Agreement	mandatory for sheet	Number	5		S_EKPO_TEXT	EBELP
	Text	Text ID	mandatory for sheet	Text	80		S_EKPO_TEXT	TDID
		Text	mandatory for sheet	Text	unrestricted		S_EKPO_TEXT	TEXT

Instructions to DMC selection:

Purch. Doc. Category (EKKO-BSTYP) : Data Migration Cockpit Load template should be run for the below Purchasing Document Categories

K - Contracts
L- Outline Scheduling Agreement

Configuration

Item #	Configuration Item
N/A	

Conversion Objects

Object #	Preceding Object Conversion Approach
1	Purchase Info Record/Pricing Conditions (1094)
2	Material Master - Basic View (2019)
3	Materials - Additional data (2021)
4	Materials Purchasing View (2020)
5	Business Partners - General (3007)
6	Business Partners (Vendor)- (3027)
7	Vendor Subrange (TBC)
10	WBS Elements
11	Company Codes
12	Cost center
13	G/L Account
14	Profit center
15	Fixed Asset
16	Storage Locations
17	Sales Orders (Third party)

Error Handling

Error Type	Error Description	Action Taken
Data	Vendor missing or blocked	Either exclude the record, or unblock/load the Vendor
Config	Necessary number ranges not correct	Internal numbering must be set.
Data	Incorrect document types	Fix incorrect data or missing entries
Data	Material missing or blocked.	Either exclude the record, or unblock/load the Vendor
Data	Invalid dates	Fix incorrect data or missing entries
Data	Invalid data formats	Fix incorrect data or missing entries
Pre-req	Missing Value mappings	Add missing value mappings and retry
Data	Duplicates	Fix incorrect data or missing entries
Data	Transformation misses	Build transformation and retry.
Load	Authorization errors	Apply for the applicable authorization permission and retry
Load	Technical load failures - If using Migration Cockpit- Simulation errors, etc	Investigate error and rectify. Retry simulation and/or load
Data	Condition records contained in PO is not available in the target system.	Investigate, load condition record, or exclude the PO/Line
Configuration	Configuration value for the field is not valid /missing	If it is a missing configuration item then engage Functional team to expedite and fix the error in the system.
Invalid Data	Configuration value for the field is not valid.	The parameter entry needs to be reviewed (ex. invalid payment terms). If it is an invalid data, business needs to review and correct the source of the data either in PF2/WP2 or if it's mapped in DCT. (TBC)
Value Mappings (Transformation Mappings)	Missing or Invalid value mapping for the fields	If it is a missing or invalid value mapping fields then engage Functional team to expedite and fix the error in the system.
Technical Setup	Interface / Connection issue within target system's landscape	N/A – the data will be loaded directly to S/4HANA environment
Authorization Error	*<USER ID>* is not authorized to access Business Partner create	Contact Basis to obtain Fire Fighter ID (or SyWay S4 approved data loading ID) or fix the authorization setup

Post-Load Validation

Project Team

Completeness

Task	Action
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.
Valid to dates	Check valid to dates are migrated correctly
Valid from dates	Check valid from dates are migrated correctly
Valid to and from dates	Verify date formats YYYYMMDD
Verify Count (Others)	Post-Load validations record counts will be done to verify completeness and accuracy of the transformed data against DCT approved. (TBC)

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/SAP reports
Valid to dates	Check valid to dates are migrated correctly
Valid from dates	Check valid from dates are migrated correctly

Valid to and from dates	Verify date formats YYYYMMDD
Post Load Error Reports	Verify that all necessary post-load error reports have been validated, and that errors have been addressed.

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
Verify Count (Others)	Post-Load validations record counts will be done to verify completeness and accuracy of the transformed data against DCT approved. (TBC)
Validate Loaded Data	Validate, as per the loads files signed-off, that all records are in the target system

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 DSP reports/SAP reports
Load failures	Value presented for load must be in the system
Valid to dates	Check valid to dates are migrated correctly
Valid from dates	Check valid from dates are migrated correctly
Valid to and from dates	Verify date formats YYYYMMDD
Review Post Load Error Reports	Verify that all necessary post load error reports have been validated, and that errors have been addressed.
Validate Loaded Data	Validate, as per the loads files signed-off, that all records are in the target system

Key Assumptions

- Purchasing Contracts are in scope based on data design and any exception requested by business.
- Migrate released and approved contracts only. Note that the supplier is not informed again after migration of a purchasing contract because only released purchasing contracts are migrated to the SAP solution.
- If a contract has not been released or approved in the legacy system, create a new purchasing contract with a new contract ID in the SAP solution and copy the data from the legacy system into the new purchasing contract in your SAP solution manually.
- The contract ID in your SAP solution must be the same as in the legacy system. Change the contract ID for technical reasons only (for . if the number range of the migrated contracts would exceed the number range in the SAP solution).
- If the purchasing contract is related to materials or services, the purchasing status must be set to active in the corresponding materials or services.
- Migration of change history, document flow history and approval history is not supported.
- Migration of administrative data is not supported, for example, creation date and time, creation user, last changed date and time.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 36)	**Apr 16, 2026 13:21**	**MADHOK-ext, Jasleen**	
v. 35	Apr 15, 2026 15:16	**BATTINI-ext, Srinivasarao**	

v. 34	Apr 15, 2026 12:56	**BATTINI-ext, Srinivasarao**
v. 33	Apr 02, 2026 08:33	**BATTINI-ext, Srinivasarao**
v. 32	Mar 24, 2026 13:14	**BATTINI-ext, Srinivasarao**
v. 31	Mar 24, 2026 12:03	**BATTINI-ext, Srinivasarao**
v. 30	Mar 24, 2026 11:38	**BATTINI-ext, Srinivasarao**
v. 29	Mar 24, 2026 07:00	**BATTINI-ext, Srinivasarao**
v. 28	Mar 24, 2026 06:46	**BATTINI-ext, Srinivasarao**
v. 27	Mar 24, 2026 06:33	**BATTINI-ext, Srinivasarao**

Go to Page History

Workflow history

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

Apr 16, 2026	Actor	Type	Activity	Version
Lead Approval	JAIN-ext, Gaurav	State	changed expiry date to '23 Apr, 2026 02:11 pm' at 2:11 pm	
		State	changed state to Lead Approval at 2:11 pm	v36
Tech Review of Updates	JAIN-ext, Gaurav	State	gave *Minor change* approval at 2:11 pm	
From Apr 15, 2026 to Apr 16, 2026				
	MADHOK-ext, Jasleen and BATTINI-ext, Srinivasarao	Edit	multiple updates from MADHOK-ext, Jasleen and BATTINI-ext, Srinivasarao	
	BATTINI-ext, Srinivasarao	State	changed state to Tech Review of Updates at 12:57 pm *Updated*	v34
From Apr 02, 2026 to Apr 15, 2026				
Update in progress	BATTINI-ext, Srinivasarao	Edit	updated the page at 8:33 am	