

CNV-2010 Materials - General Plant Data / S.Loc Data

Status	Approved
Owner	Bernard Ng
Stakeholders	

Purpose

The purpose of this document is to define the conversion approach to migrate AP open items without special GL indicator (normal items) in S/4 HANA.

AP open items are related to vendor line items that have not been cleared and remains as open status during migration cut-off date. Vendors comprise of the following types :

- 3rd party vendors
- Intercompany vendors
- Employees
- Others
- One time vendor should be excluded and not supported

Amounts in legacy involve document currency, local currency and group currency. All currencies will be loaded accordingly unless there is a change in company design where local / group currency changes. Rates are as per the historical postings unless specific requirement calls for a fixed rate eg. group currency rate for consolidation purposes. Offsetting GL accounts in legacy documents will not be considered in this migration scope, they will be migrated in other objects scope eg. GL open item or GL balances. Migration takeover GL accounts will be offsetting the AP open items with respective profit center (if available in legacy).

Deferred tax in legacy AP documents will be included during migration. Reference to object 9019 (GL Line Items (BS - Input /Output (VAT)) for logic.

Withholding tax in legacy AP documents will be included during migration if withholding tax was not posted in legacy to avoid double posting. Reference to object 9020 (GL Line Items (BS - Withholding Tax)) for logic.

Offsetting GL line item(s) will be derived from legacy document if profit center is available. This will enable profit center splitting in S4.

Conversion Scope

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

The data from legacy system are as follows :

- All open items with no special GL indicator (normal items) at migration cutoff date (Posting date <= migration cutoff date)
- All normal items posted before migration cutoff date but cleared after migration cutoff date (clearing date > migration cutoff date and posting date <= migration cutoff date)

The data from legacy system excludes the following, which do not contribute to financial balances :

- Parked item
- Noted item
- Attachments / notes

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	AP open item	7000	S4	7000
WP2	AP open item	16000	S4	16000
PI2	AP open item	5000	S4	5000

Additional Information

Multi-language Requirement

Document Management

Legal Requirement

Special Requirements

Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length (Decimals)	Requirement
BSIK	BUKRS	BUKRS	Company Code	CHAR	4	Mandatory with mapping
BSIK	XBLNR	XBLNR1	Reference Document Number	CHAR	16	Mandatory
BSIK	BUZEI	BUZEI	Line item number	NUMC	3	Mandatory
BSIK	LIFNR	LIFNR	Vendor	CHAR	16	Mandatory with mapping
BSIK	SAKNR	SAKNR	Alternative Reconciliation Account	NUMC	10	Conditional Based on Source Data
BSIK	BLART	H_BLART	Document type	NUMC	2	Mandatory with mapping
BSIK	UMSKZ	UMSKZ	Special G/L Indicator	CHAR	1	N/A in this object. Refer to 9007 (AP Special GL Open Items)
BSIK	BLDAT	BLDAT	Document Date	DATE	10	Mandatory
BSIK	BUDAT	BUDAT	Posting Date	DATE	10	Mandatory (migration cutoff date)
BKPF	BKTXE	BKTXE	Header Text	CHAR	50	Conditional Based on Source Data
BSIK	SGTXT	SGTXT	Item Text	CHAR	50	Conditional Based on Source Data
BSIK	GSBER	GSBER	Business Area	CHAR	4	Conditional Based on Source Data with mapping
BSIK	WAERS	WAERS	Document Currency	CHAR	4	Mandatory
BSIK	WSL	WSL	Amount in Document Currency	CURR	23(2)	Mandatory
BSIK	WMWST	WMWST	Tax amount in document currency	CURR	23(2)	Conditional Based on Source Data
BSIK	WAERS	WAERS	Local Currency	CHAR	4	Mandatory
BSIK	HSL	HSL	Amount in Local Currency	CURR	23(2)	Mandatory
BSIK	DMBTR	DMBTR	Tax amount in local currency	CURR	23(2)	Conditional Based on Source Data
BSIK	WAERS	WAERS	Group Currency	CHAR	4	Mandatory
BSIK	KSL	KSL	Amount in Group Currency	CURR	23(2)	Conditional Based on Source Data
BSIK	WMWST	WMWST	Tax amount in group currency	CURR	23(2)	Conditional Based on Source Data
BSIK	DMBE2	DMBE2	LC2 amount	CURR	23(2)	Conditional Based on Source Data
BSIK	WMWST	WMWST	Tax amount in LC2 currency	CURR	23(2)	Conditional Based on Source Data
BSIK	DMBE3	DMBE3	LC3 amount	CURR	23(2)	Conditional Based on Source Data
BSIK	WMWST	WMWST	Tax amount in LC3 currency	CURR	23(2)	Conditional Based on Source Data
BSIK	MWSKZ	MWSKZ	Tax code	CHAR	2	Tax code
BSIK	BUPLA	BUPLA	Business place	CHAR	4	Conditional Based on Source Data with mapping
BSIK	SECCO	SECCO	Section code	CHAR	4	Conditional Based on Source Data with mapping

BSIK	ZTERM	ZTERM	Payment Term	CHAR	4	Conditional Based on Source Data with mapping
BSIK	ZLSCH	DZLSCH	Payment Method	CHAR	1	Conditional Based on Source Data with mapping
BSIK	UZAWE	UZAWE	Payment method supplement	CHAR	2	Conditional Based on Source Data with mapping
BSIK	ZLSPR	DZLSPR	Payment Block Key	CHAR	1	Conditional Based on Source Data with mapping
BSIK	KIDNO	KIDNO	Payment reference	CHAR	30	Conditional Based on Source Data
BSIK	BZDAT	BZDAT	Value Date	DATE	8	Conditional Based on Source Data
BSIK	HBKID	HBKID	House bank	CHAR	5	Conditional Based on Source Data with mapping
BSIK	BVTYP	BVTYP	Partner bank type	CHAR	4	Conditional Based on Source Data with mapping
BSIK	REBZG	REBZG	Invoice reference	CHAR	10	Conditional Based on Source Data with mapping
BSIK	REBZJ	REBZJ	Invoice reference fiscal year	NUMC	4	Conditional Based on Source Data
BSIK	VBUND	VBUND	Trading Partner	CHAR	6	Conditional based on Intercompany account used in source and mapping
BSIK	LZBKZ	LZBKZ	SCB Indicator	CHAR	3	Conditional Based on Source Data with mapping
BKPF	XREF1_HD	XREF1_HD	Reference field 1 (header)	CHAR	20	Conditional Based on Source Data
BKPF	XREF2_HD	XREF2_HD	Reference field 2 (header)	CHAR	20	Conditional Based on Source Data
BSIK	XREF1	XREF1	Reference key 1	CHAR	12	Conditional Based on Source Data
BSIK	XREF2	XREF2	Reference key 2	CHAR	12	Conditional Based on Source Data
BSIK	XREF3	XREF3	Reference key 3	CHAR	12	Conditional Based on Source Data
BSIK	ZUONR	DZUONR	Assignment Number	CHAR	18	Conditional Based on Source Data
BSIK	EBELN	EBELN	Purchasing document	CHAR	10	Conditional Based on Source Data with mapping
BSIK	EBELP	EBELP	Purchasing document item	NUMC	5	Conditional Based on Source Data with mapping
BSET	*	*	*	*	*	Refer to data object # 9019 (GL Line Items (BS - Input /Output (VAT)))
WITH_ITEM	*	*	*	*	*	Refer to data object # 9020 (GL Line Items (BS - Withholding Tax))
Offset GL account line (single or multiple based on legacy document)						
BSIK	BUKRS	BUKRS	Company Code	CHAR	4	Mandatory with mapping
BSIK	XBLNR	XBLNR1	Reference Document Number	CHAR	16	Mandatory
BSIK	BUZEI	BUZEI	Line item number	NUMC	3	Mandatory
BSIK	LIFNR	LIFNR	Vendor	CHAR	16	Mandatory with mapping
BSEG	HKONT	HKONT	Offset GL account	NUMC	10	Mandatory with mapping
BSIK	WAERS	WAERS	Document Currency	CHAR	4	Mandatory
BSIK	WSL	WSL	Amount in Document Currency	CURR	23(2)	Mandatory
BSIK	WAERS	WAERS	Local Currency	CHAR	4	Mandatory
BSIK	HSL	HSL	Amount in Local Currency	CURR	23(2)	Mandatory
BSIK	WAERS	WAERS	Group Currency	CHAR	4	Mandatory
BSIK	KSL	KSL	Amount in Group Currency	CURR	23(2)	Conditional Based on Source Data
BSIK	SGTXT	SGTXT	Item Text	CHAR	50	Conditional Based on Source Data
BSIK	XREF1	XREF1	Reference key 1	CHAR	12	Conditional Based on Source Data
BSIK	XREF2	XREF2	Reference key 2	CHAR	12	Conditional Based on Source Data
BSIK	XREF3	XREF3	Reference key 3	CHAR	12	Conditional Based on Source Data
BSIK	ZUONR	DZUONR	Assignment Number	CHAR	18	Conditional Based on Source Data
BSEG	PRCTR	PRCTR	Profit Centre	CHAR	10	Based on BUKRS / BELNR / GJAHR of BSIK, extract line items in BSEG with PRCTR <> blank.

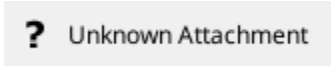
BSEG	PPRCTR	PPRCTR	Partner Profit Centre	CHAR	10	Based on BUKRS / BELNR / GJAHR of BSIK, extract line items in BSEG with PPRCTR <> blank
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Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Out put	Source System
1	Can load, but business process affected	Open Item is overdue and aged	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Line item is not having a clearing date;</p> <p>Rule 3: ;Posting Date is 365 days or longer than current system date;</p> <p>Rule 4: Due Date is prior report execution date.</p> <p>Due Date calculation:</p> <ul style="list-style-type: none"> o Credit posting to vendor account (BKPF.GLVOR = RFBU and BSIK.SHKZG = H) <p>Due Date = Baseline Date + Number Days as per specified in payment terms defined in line item</p> <ul style="list-style-type: none"> o Debit posting to vendor account (BKPF.GLVOR = RFBU and BSIK.SHKZG = S) <p>Due Date = Baseline Date</p>	Report	PF2 / PI2 / WP2
2	Can load, but business process affected	Open Items for Employees Vendors	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Line item is not having a clearing date;</p> <p>Rule 3: Vendors is with Employee Vendor Account</p>	Report	PF2 / PI2 / WP2
3	Cannot load	Open Items posted for One-Time Vendor	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Line item is not having a clearing date;</p> <p>Rule 3: Vendors is with One-time Vendor account</p>	Report	PF2 / PI2 / WP2
4	Cannot load	Parked Items need to be cleanse	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Document is parked (document status = "V")</p>	Report	PF2 / PI2 / WP2
5	Cannot load	Unapproved Noted Items to cleanse	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Document is noted (document status = "S")</p>	Report	PF2 / PI2 / WP2
6	Can load, but business process affected	Monitor documents without payment terms and payment method	<p>Rule 1: Company must be in scope;</p> <p>Rule 2: Document is missing payment terms and / or payment method</p>	Report	PF2 / PI2 / WP2

Conversion Process

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



Data Privacy and Sensitivity

Extraction

Extract data from a source into . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into . 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 ; cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
2. The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in . This is to be conducted using DCT (Data Collection Template) in

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.	Ensure source tables BKPF, BSIK, BSAK, BFOK_A are extracted in tool according to the agreed cut-off date in the project plan	Data team
2.	Perform preliminary completeness check	Data team
3.	Raise issues as defects if Req # 1 to 2 are not met	Data team
4.	Repeat Req # 1 to 3 if required	Data team
5.	Report extraction result to person in charge of AP OI conversion	Data team

Selection Screen

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

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for data with exception of some fields which require transformation as mentioned in the transformation rule. It can also be used for data that are not automatically extracted from legacy and require direct load to target system.

Field Name	Field description	Rule
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BSIK-BUKRS	Company Code	Drop down value from T001-BUKRS company code DCT (only with active for finance indicator)
BSIK-LIFNR	Vendor Account	Drop down value from LFB1-LIFNR Business Partner DCT as FI Vendor on required company code level
BSIK-XBLNR	Reference Document Number	Business to enter content as per data type and length permitted
BSIK-BLDAT	Document Date	Business to enter content as per data type and length permitted
BSIK-BUDAT	Posting Date	Default to Conversion date
BKPF-BKTXT	Header Text	Business to enter content as per data type and length permitted
BSIK-SGTXT	Item Text	Business to enter content as per data type and length permitted
BSIK-UMSKZ	Special G/L Indicator	N/A - Refer to 9007 Special GL Open Items specs
BSIK-GSBER	Business area	Drop down value. (TGSB-GSBER)
BKPF-WAERS	Document Currency Key	Drop down value. Exist as valid S4 Currency Key (TCURT.WAERS)
BSIK-WSL	Amount in Document Currency	Business to enter content. Values should be checked with decimal points for Local currency (TCURX-CURDEC)
BSIK-HSL	Amount in Local Currency	Business to enter content. Values should be checked with decimal points for Local currency (TCURX-CURDEC)
BSIK-KDL	Amount in Group Currency	Business to enter content. Values should be checked with decimal points for Local currency (TCURX-CURDEC)
BSIK-DMBE2	LC2 amount	Business to enter content. Values should be checked with decimal points for Local currency (TCURX-CURDEC)
BSIK-DMBE3	LC3 amount	Business to enter content. Values should be checked with decimal points for Local currency (TCURX-CURDEC)
BSIK-BZDAT	Value Date	Business to enter content as per data type and length permitted
BSIK-PRCTR	Profit Centre	Drop down value. Exist in Profit Centre DCT and assigned with the same company code
BSIK-ZLSPR	Payment Block Key	Drop down value (T008-ZAHLS)
BSIK-ZLSCH	Payment Method	Drop down value. Exist as valid S4 Payment Method (T042Z-ZLSCH where T042Z-LAND1 = T001-LAND1)
BSIK-ZTERM	Payment Term	Drop down value. Exist as valid S4 Payment Term (T052-ZTERM where T052-KOART = Blank or 'K')
BSIK-HBKID	House bank	Drop down value (HBKID-HBKID based on BUKRS)
BSIK-BVTYP	Partner bank type	Drop down value (LFBK-BVTYP based on LIFNR)
BSIK-ZFBDT	Baseline Date	Business to enter content as per data type and length permitted
BSIK-VBUND	Trading Partner	Drop down value (T001-BUKRS)
BSIK-ZFBDT	Baseline Date	Business to enter content as per data type and length permitted as per section 3. The Baseline Date will determine the calculation of Payment Due Date (Days in Payment Term + Baseline Date = Payment Due Date)
BSIK-RASSC	Company ID of Trading Partner	Drop down value. Exist as valid S4 Trading Partner (T880-RCOMP)

BSIK-ZUONR	Assignment Number	Business to enter content as per data type and length permitted
BSIK-LZBKZ	SCB Indicator	Drop down value (T015L-LZBKZ)
BKPF-XREF1_HD	Reference field 1 (header)	Business to enter content as per data type and length permitted
BKPF-XREF2_HD	Reference field 2 (header)	Business to enter content as per data type and length permitted
BSIK – KIDNO	Payment reference	Business to enter content as per data type and length permitted
BSIK – EBELN	Purchasing document	Drop down value (EKPO-EBELN or PO DCT)
BSIK – EBELP	Purchasing document item	Drop down value (EKPO-EBELP based on EKPO-EBELN or PO DCT)
BSIK – XREF1	Reference key1	Business to enter content as per data type and length permitted
BSIK – XREF2	Reference key1	Business to enter content as per data type and length permitted
BSIK – XREF3	Reference key1	Business to enter content as per data type and length permitted
BSIK – UZAWE	Payment method supplement	Drop down value (T042F-UZAWE)
BSIK – BUPLA	Business place	Drop down value. (J_1BBRANCV-BRANCH based on BSIK-BUKRS)
BSIK – SECCO	Section code	Drop down value (SECCODE-SECCODE based on BSIK-BUKRS)

Suggestion to add:

Decimal validation - Check table TCURX for the document currency key and if Decimals (TCURX-CURRDEC) is '0', validate that no decimal value is populated.

Extraction Dependencies

Item #	Step description	Team responsible
1.	Any period / year end close activities have been fully completed	Business
2.	Reconciliation for intercompany payables have been completed, and adjustment made in legacy SAP system	Business
3.	Reconciliation of migrated Purchase Order is completed before the extraction of Accounts Payable Open Items	Business and Data

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.	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into toolMigrate.	Data team
2.	In tool, select the AP Open Items object.	Data team
3.	Process the Object - AP Open Items - R3 AP Open Items.	Data team
4.	Launch transformation.	Data team
5.	Monitor the transformation progress and ensure performance and completion is within allowed timeframe	Data team
6.	Generate Pre-Load reports .	Data team
7.	Generate data load count.	Data team
8.	Log errors as defects, if any and address resolutions. Close defects.	Data team
9.	Re-transform and re-validate the Pre-load reports if necessary.	Data team
10.	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
11.	Analyse and resolve any pre-load defects logged by business.	Data team
12.	Repeat steps 6 to 11 if necessary	Data team
13.	Proceed to pre-load validations	Data team

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source description	Target system	Target Table	Target Field	Target description	Transformation logic
1	N/A	N/A	N/A	N/A	S /4HANA	BKPF	BELNR	Document Number	Automatic determination of the Document number in target system. Document Date from source system is migrated into field SGTXT – see transformation rule for Line Item text field below.
2	Legacy or DCT	BKPF	BUKRS	Company Code	S /4HANA	BSIK	BUKRS	Company Code	Map from source to target using company code mapping table
3	Legacy or DCT	BSIK	LIFNR	Vendor Account	S /4HANA	BSIK	LIFNR	Vendor Account	Map from source to target using Business Partner mapping table. For exceptions in DCT – post to GL account xxxxxx without any vendor.
4	Legacy or DCT	BSIK	XBLNR	Reference Document Number	S /4HANA	BSIK	XBLNR	Reference Document Number	Copy source value.
5	Legacy or DCT	BSIK	BLDAT	Document Date	S /4HANA	BSIK	BLDAT	Document Date	Copy source value
6	Legacy or DCT	BSIK	BUDAT	Posting Date	S /4HANA	BSIK	BUDAT	Posting Date	Posting date = Conversion date (last day of month prior go-live)
7	Legacy or DCT	BKPF	BKTX	Header Text	S /4HANA	BKPF	BKTX	Header Text	Copy source value
8	Legacy or DCT	BSIK	SGTXT	Item Text (For offset posting to conversion take-on G/L account)	S /4HANA	BSIK	SGTXT	Item Text	FY+CoCode+DocNumber+source value (example – 2018ECAU3001102743) will be used as Prefix (SGTXT). If source SGTXT is longer than 32 chars, it'll be cut to fit. Example in S4 will be posted with SGTXT= "2018ECAU3001102743MILLER".
9	Legacy or DCT	BSIK	GSBER	Business Area	S /4HANA	BSIK	GSBER	Business Area	Map from source to target using Business Area mapping table
10	Legacy or DCT	BKPF	WAERS	Document Currency	S /4HANA	BSIK	WAERS	Document Currency	Mapping table - When conversion from 'old' Local currency to 'new' Local currency applies

11	Legacy or DCT	BSIK	WRB TR	Amount in Document Currency	S /4HANA	BSIK	WSL	Amount in Document Currency	Copy source value, split by profit centers if required.
12	Legacy or DCT	BSIK	DMB TR	Amount in Local Currency	S /4HANA	BSIK	HSL	Amount in Local Currency	Copy source value if source currency is equal to target currency,
13	Legacy or DCT	BSIK	KSL	Amount in Group Currency	S /4HANA	BSIK	KSL	Amount in Group Currency	Copy source value if source currency is equal to target currency,
14	Legacy or DCT	BSIK	DMB E2	LC2 amount	S /4HANA	BSIK	DMB E2	LC2 amount	Copy source value if source currency is equal to target currency,
15	Legacy or DCT	BSIK	DMB E3	LC3 amount	S /4HANA	BSIK	KSL	Amount in Group Currency	Copy source value as the group currency does not change.
16	Legacy or DCT	BSIS	VAL UT	Value Date	S /4HANA	BSIK	BZD AT	Value Date	Copy source value
17	Legacy or DCT	BSIS	PRC TR	Profit Centre	S /4HANA	BSIK	PRC TR	Profit Centre	Profit centers should be populated on the offset item - conversion take-on G/L account
18	Legacy or DCT	BSIS	VBU ND	Company ID of Trading Partner	S /4HANA	BSIK	RAS SC	Company ID of Trading Partner	Map from source to target using Trading Partner mapping table
19	Legacy or DCT	BSIS	ZUO NR	Assignment Number	S /4HANA	BSIK	ZUO NR	Assignment Number	Copy source value
20	Legacy or DCT	BSIK	UMS KZ	Special G/L Indicator	S /4HANA	BSIK	UMS KZ	Special G/L Indicator	N/A
21	Legacy or DCT	BSIK	ZLS PR	Payment Block Key	S /4HANA	BSIK	ZLS PR	Payment Block Key	Map from source to target using Payment Block Key mapping table
22	Legacy or DCT	BSIK	ZLS CH	Payment method	S /4HANA	BSIK	ZLS CH	Payment method	Map from source to target using Payment method mapping table
23	Legacy or DCT	BSIK	ZTE RM	Payment Term	S /4HANA	BSIK	ZTE RM	Payment Term	Map from source to target using Payment term mapping table
24	Legacy or DCT	BSIK	HBKID	House bank	S /4HANA	BSIK	HBKID	House bank	Map from source to target using House bank mapping table
25	Legacy or DCT	BSIK	BVT YP	Partner bank type	S /4HANA	BSIK	BVT YP	Partner bank type	Map from source to target using Partner bank type mapping table
26	Legacy or DCT	BSIK	REB ZG	Invoice reference	S /4HANA	BSIK	REB ZG	Invoice reference	Leave blank
27	Legacy or DCT	BSIK	REB ZJ	Invoice reference fiscal year	S /4HANA	BSIK	REB ZJ	Invoice reference fiscal year	Leave blank
28	Legacy or DCT	BSIK	ZFB DT	Baseline Date	S /4HANA	BSIK	ZFB DT	Baseline Date	Copy source value
29	Legacy or DCT	BSIK	ZUO NR	Assignment Number	S /4HANA	BSIK	ZUO NR	Assignment Number	Legacy document number + legacy year
30	Legacy or DCT	BSIK	LZBKZ	SCB Indicator	S /4HANA	BSIK	LZBKZ	SCB Indicator	Map from source to target using Payment term mapping table
31	Legacy or DCT	BKPF	XRE F1_HD	Reference field 1 (header)	S /4HANA	BKPF	XRE F1_HD	Reference field 1 (header)	Copy source value
32	Legacy or DCT	BKPF	XRE F2_HD	Reference field 2 (header)	S /4HANA	BKPF	XRE F2_HD	Reference field 2 (header)	Copy source value
33	Legacy or DCT	BSIK	KID NO	Payment reference	S /4HANA	BSIK	KID NO	Payment reference	Copy source value
34	Legacy or DCT	BSIK	EBE LN	Purchasing document	S /4HANA	BSIK	EBE LN	Purchasing document	Map it to PO. Open PO cross reference table is used for mapping in both cases.
35	Legacy or DCT	BSIK	EBE LP	Purchasing document item	S /4HANA	BSIK	EBE LN	Purchasing document item	Map it to PO item. Open PO cross reference table is used for mapping.

36	Legacy or DCT	BSIK	XRE F1	Reference key1	S /4HANA	BSIK	XRE F1	Reference key1	Copy source value
37	Legacy or DCT	BSIK	XRE F2	Reference key2	S /4HANA	BSIK	XRE F2	Reference key2	Copy source value
38	Legacy or DCT	BSIK	XRE F3	Reference key3	S /4HANA	BSIK	XRE F3	Reference key3	Copy source value
39	Legacy or DCT	BSIK	UZA WE	Payment method supplement	S /4HANA	BSIK	UZA WE	Payment method supplement	Map from source to target using Payment method supplement mapping table
40	Legacy or DCT	BSIK	BUP LA	Business place	S /4HANA	BSIK	BUP LA	Business place	Map from source to target using Business place mapping table
41	Legacy or DCT	BSIK	SECO	Section code	S /4HANA	BSIK	SECO	Section code	Map from source to target using Section code mapping table

Transformation Mapping

Mapping Table Name	Mapping Table Description
Company Code	Mapping of legacy company codes to target system value
GL Account	Default offsetting GL account each open AP item
Profit Centre	Mapping of legacy Profit Center to target system value
Business Partner	Mapping of legacy vendor accounts to target system value
Trading Partner	Mapping of legacy trading partners to target system value
Business Area	Mapping of legacy Business Area to target system value
Currency Key	Mapping of legacy currency keys to target system value
Payment Block Key	Mapping of legacy payment block key to target system value
Payment Method	Mapping of legacy payment method to target system value
Payment Term	Mapping of legacy Payment Term to target system value
Open Purchase order cross references	Mapping of legacy PO to target system value
Payment method supplement	Mapping of legacy Payment method supplement to target system value
Business place	Mapping of legacy Business place to target system value
Section code	Mapping of legacy Section code to target system value
SCB Indicator	Mapping of legacy SCB Indicator to target system value
House bank	Mapping of legacy House bank to target system value
Partner bank type	Mapping of legacy Partner bank type to target system value
Special G/L Indicator	Mapping of legacy Special G/L Indicator to target system value
Document type	Default doc type for this object OPEN AP

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure all the fields that require value mapping, as stipulated. Mapping tables, have the correct values mapped and imported into tool.	Data team

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Pre-Load Validation

Project Team

Completeness

Task	Action
Generation of Pre-load reports	<p><u>Mandatory field check.</u> Based on S/4HANA target design fields, check if records have all mandatory fields filled and mapped, otherwise they should be flagged as error.</p> <p><u>Check Business Partners are extended to required company code</u></p> <p>Check if all mapped business partners exists in S/4HANA LFB1-LIFNR (Vendor) and LFB1-BUKRS (Company Code), and LFB1-LOEVM (Deletion Flag) must not be X</p> <p><u>Check signage of amount.</u></p> <p>Check whether source data (including DCT) has debit and credit entries in the same line. If sign is the same in all the three currency fields, then no action needed.</p> <p>If the sign in the document currency and company code currency field are different, then the document needs to be corrected in the source system or DCT.</p> <p>Ensure all transactions have values in Document Currency and Local Currency (i.e. no 0.00 allowed)</p>
Reconciliation of total	<p><u>Record Count</u></p> <p>Check the sum of record count of the AP open items in the load file is the same as source. The record count for AP Open Items will be done on the group basis. The fields in the group are consist of: Company Code, Vendor</p> <p><u>Check Amount in Document Currency and Local Currency</u></p> <p>Check the sum of the amount in Document Currency and Local Currency in load file is the same as source. If any of the sum is different, flag the record as error.</p>

Accuracy

Task	Action
Mandatory field mapping and transformation	<p>Obtain a list of the fields to be populated with values from mapping files and ensure all these fields contain S/4HANA values.</p> <p>Review the data report to ensure mapping value is not missing in tool.</p> <p>Capture errors in the Data Error report.</p>

Business

Completeness

Task	Action
Verify record count in Pre-load reports by region	<p>In legacy system, execute report AP Line Item Display (t/code: FBL1N) with selection parameters.</p> <p>Group the output of the report by Company Code and Vendor Account using subtotal function and compare the count in this report against the AP open items count in the pre-load file.</p> <p>The record count for AP Open Items may also be done on the more granular level. The recommended granular level or the subtotal fields can consist of: Company Code, Vendor, Profit Centre, Document Currency Key, Company ID for Trading Partner.</p> <p>If any of the count is different, raise defect and flag the relevant record as error.</p>

Accuracy

Task	Action
Conversion accuracy	<p>Verify AP open items are transformed accurately as per endorsed transformation/mapping rules.</p> <p>Review error reports in tool for any mismatch or missing transformed values.</p> <p>In legacy system, execute report AP Line Item Display (t/code: FBL1N) with selection parameters. If any of the sum is different, raise defect and flag the relevant record as error.</p>
Business partner balance on Company code and profit center level	<p>Check the total open item amount on Business partner at Company Code and Profit center level, against the total in legacy by Document, Local and Group currency. Apply currency rules where applicable</p>

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	Ensure the load tools are transported into the correct tool instance.	Data team
2	Ensure DCTs and all required mappings are submitted and complete	Data team
3	Ensure Pre-load sign-offs are obtained.	Data team
4	Execute tool for AP Open items	Data team
5	Generate the post load reports in tool.	Data team
6	Log errors as defects, if any and address resolutions. Close defects.	Data team
7	Resolve defects by reupload and re-generate post load reports if necessary.	Data team
8	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
9	Repeat steps 5 to 7 if necessary.	Data team

Load Phase and Dependencies

Configuration

Item #	Configuration item
1.	Company code-related configurations (posting period variant).
2.	Finance posting (document types, document number ranges)
3.	Currencies (currency keys, decimal places in currencies)
4.	Accounts Payable specific (payment term, payment method, payment block keys)

Conversion Objects

Object #	Preceding Object Conversion Approach
1067	GL Account Operational CoA (incl. secondary CE)
3018	Business Partners - FI Vendor (FLVN00)
1073	Profit center
9045	Open purchase order

Error Handling

Error type	Error description	Action taken
Posting Period Error	Posting period is blocked for posting	Review project / cutover plan and ensure posting periods can be opened for postings
Business partner does not exist	Business Partner record for the line item doesn't exist	Create the relevant Business Partner in the S/4HANA System
Profit Centre does not exist	Profit centre does not exist in company code	Ensure the profit centre mapping is correct and or create the profit centre if it is valid

Post-Load Validation

Project Team

Completeness

Task	Action
Reconciliation of Record Count	<p>Total number of records loaded for AP Open Items will be generated in the Post-load reports in tool based on the target table and fields mentioned.</p> <p>The reconciliation needs to be executed on the total number of 'valid' records and currency amount per company code in the source compared to total number of records and currency amount in S/4HANA</p> <p><u>Record Count</u></p> <p>Check the sum of record count of the open items in the load file is the same as S/4HANA. The record count for AP Open Items will be done on the group basis. The fields in the group are consist of: Company Code, Vendor Account</p> <p><u>Check Amount in Document Currency and Local Currency</u></p> <p>Check on line item level that the sum of the amount in Document Currency and Local Currency in the load file is the same as posted in S/4HANA. If any of the sum is different, flag the record as error.</p>

Accuracy

Task	Action
Check values in key fields for accuracy	<p>Post-load reports will have the same structure as the load file and some additional columns as required to facilitate the post load validation.</p> <p>Leverage on tool to create a Post Load report that reports S/4HANA loaded records along with the legacy values side-by-side to allow for 100% check of all these fields in the shortest possible time.</p> <p><u>Any</u> mismatch will be reported under the Post Load - Error report.</p>

Business

Completeness

Task	Action
Record Count Check	<p>Review the record count report from the Data Team and ensure it is correct by cross-checking with the record count confirmed during Pre-load Business Validations</p> <p>Business may also run transaction code FBL1N – Vendor Line Item Display or equivalent report in Fiori App to display loaded AP Open Items in S/4HANA and compare results against the pre-load reports generated from tool.</p>

Accuracy

Task	Action
Open items totals	Check business partner open item totals by Business partner, Company code, profit centre. Totals should be checked in Document, Local and Group currency.
Spot check	Business should choose some business partners and perform comprehensive check of open items, payment terms etc Such partners should have huge number of open items or be critical for payment runs in S4 or have certain complexity in conversion.

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.

Change log

Version	Published	Changed By	Comment
CURRENT (v. 25)	Apr 16, 2026 11:03	VAN NIEKERK-ext, ivan	
v. 24	Apr 16, 2026 11:01	VAN NIEKERK-ext, ivan	
v. 23	Jan 13, 2026 12:18	VAN NIEKERK-ext, ivan	
v. 22	Jan 13, 2026 12:16	VAN NIEKERK-ext, ivan	
v. 21	Dec 08, 2025 14:52	VAN NIEKERK-ext, ivan	Added DCT as per CR0209
v. 20	Nov 20, 2025 08:17	VAN NIEKERK-ext, ivan	

v. 19	Nov 20, 2025 08:12	VAN NIEKERK-ext, ivan	Serial Number Profile Updated
v. 18	Oct 23, 2025 11:50	VAN NIEKERK-ext, ivan	Updated PSTAT
v. 17	Oct 17, 2025 13:41	VAN NIEKERK-ext, ivan	Removed MMSTA NULL
v. 16	Oct 16, 2025 16:34	VAN NIEKERK-ext, ivan	Added Material Types to Relevancy as per Matrix







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Workflow history

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

Workflow history

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

From Dec 08, 2025 to Apr 16, 2026	Actor	Type	Activity	Version
Approved	 VAN NIEKERK-ext, ivan	Edit	updated the page at 2:52 pm	
Nov 24, 2025				
	 TAN-ext, Charmaine	State	changed state to Approved at 1:04 pm (State override) <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	v20
In Progress	 TAN-ext, Charmaine	State	gave <i>Minor change</i> approval at 1:04 pm <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	
From Aug 03, 2025 to Nov 20, 2025				
	RAYUDU-ext, Narasimha Kumar and VAN NIEKERK-ext, ivan	Edit	multiple updates from  RAYUDU-ext, Narasimha Kumar and  VAN NIEKERK-ext, ivan	
Aug 02, 2025				
	 RAYUDU-ext, Narasimha Kumar	Edit	created the page at 7:09 pm	
		State	changed state to In Progress at 5:09 pm	v1