

CNV-9065 Open Sales Orders - Standard/Rush/FOC /Consignment/Intercompany/Thirdparty>Returns/Credit Memo/Debit Memo

| | |
|--------------|--------------------|
| Status | Approved |
| Owner | LEW-ext, Chun Ming |
| Stakeholders | |

Purpose

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

Open sales orders are orders that are not fully delivered or billed and still require fulfillment or financial processing. This conversion ensures business continuity and data consistency for ongoing customer transactions. It should be a seamless migration, and business is able to continue working with open Sales Order in S/4 HANA.

Conversion Scope

The scope of this document covers the approach for converting Open Sales Orders, including relevant schedule lines and partner data, from legacy source systems into SAP S/4HANA.

From the current system landscape, open sales order data resides separately across legacy systems (WP2 and PF2), often with inconsistent formatting, incomplete references, and varying document structures. It is required to harmonize, cleanse, and validate the sales order data to ensure that only business-relevant, open orders are migrated to S/4HANA.

While WP2 and PF2 serve as the primary source systems, various transformation and mapping logic will be applied to generate load templates that conform to the target S/4HANA order structure, including header, item, schedule line, pricing, and partner functions. The conversion scope specifically includes order items that are not fully delivered or billed, with open quantities, future delivery dates, or billing schedules, and which remain critical to business continuity post go-live.

The data from legacy system includes:

1. Documents where the document category (VBAK-VBTYP) is either
 - a. "C" Standard order
 - b. "I" Order without charge
 - c. "K" Credit memo request
 - d. "L" Debit memo request
 - e. "H" Return order
2. Sales Order items with Open Quantities:
 - a. Delivery relevant order items with undelivered items, i.e., delivery quantity < order quantity.
 - b. Non delivery relevant order items (Credit/Debit Memo etc) with unbilled items, i.e., billed quantity < order quantity.
 - c. Order items where the delivery status is not marked as complete.
3. The Sales Area of the Sales Order are within the scope of S4 HANA.
4. Sales Orders created for the Customers and Materials in scope.

The data from legacy system excludes:

1. Fully Delivered and Billed Sales Order items:
 - a. Order items where all items are delivered (delivery complete) and invoiced (billing complete).
 - b. Order items archived in legacy system and no longer used operationally.
2. Orders Without Business or Legal Justification:
 - a. Orders with no meaningful transactional history, or created erroneously.
 - b. Orders flagged by business for exclusion due to redundancy.
3. M2 and M3 (VBAK-AUART) orders, these will be migrated as contract instead of Sales order.
4. Sales Orders listed in 9065_Drop_List (The list will include the open SO that shall not be migrated to S4). If the effort is too much to close the SO in the legacy, the business can list the SO number here to be excluded from migration.

The following table illustrating the possible legacy sales scenarios and it's corresponding S4 sales scenarios. The SAP documents might change due to re-design of the system landscape or system process.

Definition of documents :

- Standard Sales Orders and Customer Orders: Normal Sales Order
- Direct Delivery Sales Orders: Where a sales org is selling, but delivering from a plant that belongs to another affiliate
- IC SO : Sales Order created for another affiliate
- IC PO : Purchase Order created for another affiliate (Not in 9065 scope)
- IC STO : Intercompany Stock Transport Order

- Third Party Sales Orders : A purchase requisition (and subsequently a purchase order) is automatically triggered from the sales order. The vendor delivers the goods directly to the customer. No physical goods movement occurs in the Syensqo system, as the delivery is managed externally by the vendor. Generated PO in the legacy shall be closed if the SO is in the migration scope.
- Individual Purchase Order Sales Orders : A purchase requisition (and subsequently a purchase order) is automatically triggered from the sales order. The vendor delivers the goods to the Syensqo plant as Sales Order Special Stock (E-stock). The stock is reserved specifically for that sales order, and actual goods receipt and goods issue are recorded and managed within the system. Generated PO in the legacy shall be closed if the SO is in the migration scope.
- Credit / Debit Memo Request : Credit / Debit request created to reduce / increase customer account payable
- Return Order : A standard SAP ERP document created to process and manage the return of goods from a customer

| Scenario No | Source | Scope (Legacy Scenario) | Supplying Entity Target System | Receiving Entity Target System | Source Approx No. of Records | Target System | Target Approx No. of Records |
|-------------|------------|---|--------------------------------|--------------------------------|------------------------------|--|------------------------------|
| 1 | WP2 | Standard Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 29500 | S/4HANA ROW | 29500 |
| 2 | PF2 | Standard Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 5500 | S/4HANA ROW | 5500 |
| 3 | WP2 | Standard Open Sales Orders | S/4HANA China | S/4HANA China | 1500 | S/4HANA China | 1500 |
| 4 | PF2 | Standard Open Sales Orders | S/4HANA China | S/4HANA China | 1500 | S/4HANA China | 1500 |
| 7 | WP2 | Direct Delivery Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 2500 | S/4HANA ROW | 2500 |
| 8 | PF2 | Direct Delivery Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 500 | S/4HANA ROW | 500 |
| 9 | WP2 | Direct Delivery Open Sales Orders | S/4HANA China | S/4HANA China | 50 | S/4HANA China | 50 |
| 10 | PF2 | Direct Delivery Open Sales Orders | S/4HANA China | S/4HANA China | 500 | S/4HANA China | 500 |
| 11 | WP2 | Direct Delivery Open Sales Orders | S/4HANA ROW | S/4HANA China | 0 | S/4HANA China - Customer SO S/4HANA China- IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | 0 |
| 12 | PF2 | Direct Delivery Open Sales Orders | S/4HANA ROW | S/4HANA China | 200 | S/4HANA China - Customer SO S/4HANA China- IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | 200 |
| 13 | WP2 | Direct Delivery Open Sales Orders | S/4HANA China | S/4HANA ROW | 350 | S/4HANA ROW - Customer SO S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | 350 |
| 14 | PF2 | Direct Delivery Open Sales Orders | S/4HANA China | S/4HANA ROW | 20 | S/4HANA ROW - Customer SO S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | 20 |
| 15 | WP2 PF2 | WP2 IC Purchase Order PF2 IC Sales Order | S/4HANA ROW | S/4HANA ROW | N/A | S/4HANA ROW - IC STO (Out of Scope) | N/A |
| 16 | WP2 PF2 | PF2 IC Purchase Order WP2 IC Sales Order | S/4HANA ROW | S/4HANA ROW | N/A | S/4HANA ROW - IC STO (Out of Scope) | N/A |
| 17 | WP2 PF2 | WP2 IC Purchase Order PF2 IC Sales Order | S/4HANA China | S/4HANA China | N/A | S/4HANA China - IC STO (Out of Scope) | N/A |
| 18 | WP2 PF2 | PF2 IC Purchase Order WP2 IC Sales Order | S/4HANA China | S/4HANA China | N/A | S/4HANA China - IC STO (Out of Scope) | N/A |
| 19 | WP2 PF2 | WP2 IC Purchase Order PF2 IC Sales Order | S/4HANA ROW | S/4HANA China | N/A | S/4HANA China -IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | N/A |
| 20 | WP2 PF2 | PF2 IC Purchase Order WP2 IC Sales Order | S/4HANA ROW | S/4HANA China | N/A | S/4HANA China -IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | N/A |

| | | | | | | | |
|----|------------|---|---------------|---------------|-----|--|-----|
| 21 | WP2 PF2 | WP2 IC Purchase Order PF2 IC Sales Order | S/4HANA China | S/4HANA ROW | N/A | S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | N/A |
| 22 | WP2 PF2 | PF2 IC Purchase Order WP2 IC Sales Order | S/4HANA China | S/4HANA ROW | N/A | S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | N/A |
| 23 | WP2 | WP2 STO | S/4HANA ROW | S/4HANA ROW | N/A | S/4HANA ROW - IC STO (Out of Scope) | N/A |
| 24 | PF2 | PF2 STO | S/4HANA ROW | S/4HANA ROW | N/A | S/4HANA ROW - IC STO (Out of Scope) | N/A |
| 25 | WP2 | WP2 STO | S/4HANA China | S/4HANA China | N/A | S/4HANA China - IC STO (Out of Scope) | N/A |
| 26 | PF2 | PF2 STO | S/4HANA China | S/4HANA China | N/A | S/4HANA China - IC STO (Out of Scope) | N/A |
| 27 | WP2 | WP2 STO | S/4HANA ROW | S/4HANA China | N/A | S/4HANA China - IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | N/A |
| 28 | PF2 | PF2 STO | S/4HANA ROW | S/4HANA China | N/A | S/4HANA China - IC PO (Out of Scope) S/4HANA ROW - IC SO (Out of Scope) | N/A |
| 29 | WP2 | WP2 STO | S/4HANA China | S/4HANA ROW | N/A | S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | N/A |
| 30 | PF2 | PF2 STO | S/4HANA China | S/4HANA ROW | N/A | S/4HANA ROW - IC PO (Out of Scope) S/4HANA China - IC SO (Out of Scope) | N/A |
| 31 | WP2 | Third Party Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 100 | S/4HANA ROW *PO will be created automatically | 100 |
| 32 | PF2 | Third Party Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 100 | S/4HANA ROW *PO will be created automatically | 100 |
| 33 | WP2 | Third Party Open Sales Orders | S/4HANA China | S/4HANA China | 0 | S/4HANA China *PO will be created automatically | 0 |
| 34 | PF2 | Third Party Open Sales Orders | S/4HANA China | S/4HANA China | 0 | S/4HANA China *PO will be created automatically | 0 |
| 35 | WP2 | Individual Purchase Order Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 0 | S/4HANA ROW *PO will be created automatically | 0 |
| 36 | PF2 | Individual Purchase Order Open Sales Orders | S/4HANA ROW | S/4HANA ROW | 0 | S/4HANA ROW *PO will be created automatically | 0 |
| 37 | WP2 | Individual Purchase Order Open Sales Orders | S/4HANA China | S/4HANA China | 50 | S/4HANA China *PO will be created automatically | 50 |
| 38 | PF2 | Individual Purchase Order Open Sales Orders | S/4HANA China | S/4HANA China | 0 | S/4HANA China *PO will be created automatically | 0 |
| 39 | WP2 | Credit / Debit Memo Request | S/4HANA ROW | S/4HANA ROW | | S/4HANA ROW | |
| 40 | PF2 | Credit / Debit Memo Request | S/4HANA ROW | S/4HANA ROW | | S/4HANA ROW | |
| 41 | WP2 | Credit / Debit Memo Request | S/4HANA China | S/4HANA China | | S/4HANA China | |
| 42 | PF2 | Credit / Debit Memo Request | S/4HANA China | S/4HANA China | | S/4HANA China | |
| 43 | WP2 | Return Order | S/4HANA ROW | S/4HANA ROW | | S/4HANA ROW | |
| 44 | PF2 | Return Order | S/4HANA ROW | S/4HANA ROW | | S/4HANA ROW | |

| | | | | | | | |
|----|-----|--------------|---------------|---------------|--|---------------|--|
| 45 | WP2 | Return Order | S/4HANA China | S/4HANA China | | S/4HANA China | |
| 46 | PF2 | Return Order | S/4HANA China | S/4HANA China | | S/4HANA China | |

Additional Information

Multi-language Requirement

Document Management

Open Sales Orders attachment will be managed under CNV-9067 Attachment for open sales transaction

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 | Requirement |
|-------|-------|--------------|--|-----------|--------|-------------|
| VBAK | AUART | AUART | Sales Document Type | CHAR | 8 | Mandatory |
| VBAK | VKORG | VKORG | Sales Organization | CHAR | 8 | Mandatory |
| VBAK | VTWEG | VTWEG | Distribution Channel | CHAR | 4 | Mandatory |
| VBAK | SPART | SPART | Division | CHAR | 4 | Mandatory |
| VBAK | VKGRP | VKGRP | Sales Group | CHAR | 6 | Optional |
| VBAK | VKBUR | VKBUR | Sales Office | CHAR | 8 | Optional |
| VBAK | VDATU | EDATU_VBAK | Requested Delivery Date | DATS | 16 | Mandatory |
| VBKD | BSTDK | BSTDK | Customer Reference Date | DATS | 16 | Optional |
| VBKD | BSARK | BSARK | Customer Purchase Order Type | CHAR | 8 | Optional |
| VBKD | IHREZ | IHREZ | Your Reference | CHAR | 24 | Optional |
| VBAK | BNAME | BNAME_V | Name of orderer | CHAR | 70 | Optional |
| VBAK | TELF1 | TELF1_VP | Telephone Number | CHAR | 32 | Optional |
| VBKD | KONDA | KONDA | Customer Price Group | CHAR | 4 | Optional |
| VBKD | KDGRP | KDGRP | Customer Group | CHAR | 4 | Optional |
| VBKD | BZIRK | BZIRK | Sales District | CHAR | 12 | Optional |
| VBKD | PLTYP | PLTYP | Price List Type | CHAR | 4 | Optional |
| VBKD | INCO1 | INCO1 | Incoterms (Part 1) | CHAR | 6 | Optional |
| VBKD | INCO2 | INCO2 | Incoterms (Part 2) | CHAR | 56 | Optional |
| VBKD | ZTERM | DZTERM | Terms of Payment Key | CHAR | 8 | Optional |
| VBAK | LIFSK | LIFSK | Delivery Block (Document Header) | CHAR | 4 | Optional |
| VBAK | FAKSK | FAKSK | Billing Block in SD Document | CHAR | 4 | Optional |
| VBAK | AUGRU | AUGRU | Order Reason (Reason for the Business Transaction) | CHAR | 6 | Optional |
| VBAK | AUTLF | AUTLF | Complete Delivery Defined for Each Sales Order | CHAR | 2 | Optional |
| VBKD | PRSDT | PRSDT | Date for Pricing and Exchange Rate | DATS | 16 | Mandatory |
| VBAK | KVGR1 | KVGR1 | Customer Group 1 | CHAR | 6 | Optional |
| VBAK | KVGR2 | KVGR2 | Customer Group 2 | CHAR | 6 | Optional |
| VBAK | KVGR3 | KVGR3 | Customer Group 3 | CHAR | 6 | Optional |

| | | | | | | |
|------|----------|------------|---|------|----|-----------|
| VBAK | KVGR4 | KVGR4 | Customer Group 4 | CHAR | 6 | Optional |
| VBAK | KVGR5 | KVGR5 | Customer Group 5 | CHAR | 6 | Optional |
| VBKD | BSTKD | BSTKD | Customer Reference | CHAR | 70 | Optional |
| VBKD | BSTKD_E | BSTKD_E | Ship-to Party's Customer Reference | CHAR | 70 | Optional |
| VBKD | BSARK_E | BSARK_E | Ship-to Party Purchase Order Type | CHAR | 8 | Optional |
| VBKD | IHZREZ_E | IHZREZ_E | Ship-to Party Character | CHAR | 24 | Optional |
| VBAK | AUDAT | AUDAT | Document Date (Date Received/Sent) | DATS | 16 | Optional |
| VBAK | VSBED | VSBED | Shipping Conditions | CHAR | 4 | Optional |
| VBAK | MAHZA | MAHZA | Number of Contacts from the Customer | DEC | 2 | Optional |
| VBAK | VGBEL | VGBEL | Document Number of Reference Document | CHAR | 20 | Optional |
| VBAK | BUKRS_VF | BUKRS_VF | Company Code to Be Billed | CHAR | 8 | System |
| VBAK | TAXK1 | TAXK1_AK | Alternative Tax Classification | CHAR | 2 | Optional |
| VBAK | TAXK2 | TAXK2 | Tax Classification 2 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK3 | TAXK3 | Tax Classification 3 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK4 | TAXK4 | Tax Classification 4 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK5 | TAXK5 | Tax Classification 5 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK6 | TAXK6 | Tax Classification 6 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK7 | TAXK7 | Tax Classification 7 for Customer | CHAR | 2 | Optional |
| VBAK | TAXK8 | TAXK8 | Tax Classification 8 for Customer | CHAR | 2 | Optional |
| VBAK | XBLNR | XBLNR_V1 | Reference Document Number | CHAR | 32 | Optional |
| VBAK | ZUONR | ORDNR_V | Assignment Number | CHAR | 36 | Optional |
| VBKD | KZAZU | KZAZU_D | Order Combination Indicator | CHAR | 2 | Optional |
| VBKD | PERFK | PERFK | Invoice Dates (Calendar Identification) | CHAR | 4 | Optional |
| VBKD | PERRL | PERRL | Invoice List Schedule (calendar identification) | CHAR | 4 | Optional |
| VBKD | MRNKZ | MRNKZ | Manual Invoice Maintenance | CHAR | 2 | Optional |
| VBKD | VALTG | VALTG | Additional Value Days | NUMC | 4 | Optional |
| VBKD | VALDT | VALDT | Fixed Value Date | DATS | 16 | Optional |
| VBKD | ZLSCH | SCHZW_BSEG | Payment Method | CHAR | 2 | Optional |
| VBKD | KTGRD | KTGRD | Account Assignment Group for Customer | CHAR | 4 | Optional |
| VBKD | FKDAT | FKDAT | Billing Date | DATS | 16 | Optional |
| VBKD | FBUDA | FBUDA | Date on which services are rendered | DATS | 16 | Optional |
| VBKD | ABSSC | ABSSCHE_CM | Payment Guarantee Procedure | CHAR | 12 | Optional |
| VBKD | EMPST | EMPST | Receiving Point | CHAR | 50 | Optional |
| VBKD | LCNUM | LCNUM | Financial doc. processing: Internal financial doc. number | CHAR | 20 | Optional |
| VBKD | KDKG1 | KDKG1 | Customer condition group 1 | CHAR | 4 | Optional |
| VBKD | KDKG2 | KDKG2 | Customer condition group 2 | CHAR | 4 | Optional |
| VBKD | KDKG3 | KDKG3 | Customer condition group 3 | CHAR | 4 | Optional |
| VBKD | KDKG4 | KDKG4 | Customer condition group 4 | CHAR | 4 | Optional |
| VBKD | KDKG5 | KDKG5 | Customer condition group 5 | CHAR | 4 | Optional |
| VBAK | WAERK | WAERK | SD Document Currency | CUKY | 10 | Optional |
| VBAK | LANDTX | LANDTX | Tax Departure Country/Region | CHAR | 6 | Optional |
| VBAK | STCEG_L | LAND1TX | Tax Destination Country/Region | CHAR | 6 | Optional |
| VBAK | XEGDR | XEGDR | Indicator: Triangular Deal Within the EU | CHAR | 2 | Optional |
| VBKD | VSART | VSARTTR | Shipping Type | CHAR | 4 | Optional |
| VBKD | SDABW | SDABW | Special Processing Indicator | CHAR | 8 | Optional |
| VBAP | VBELN | VBELN_VA | Sales Document | CHAR | 20 | Mandatory |
| VBAP | POSNR | POSNR_VA | Sales Document Item | NUMC | 12 | Mandatory |

| | | | | | | |
|------|---------|------------|---|------|----|-----------|
| VBAP | UEPOS | UEPOS | Higher-Level Item in Bill of Material Structures | NUMC | 12 | Optional |
| VBAP | POSEX | POSEX | Item Number of the Underlying Purchase Order | CHAR | 12 | Optional |
| VBAP | GRPOS | GRPOS | Item for Which this Item is an Alternative | NUMC | 12 | Optional |
| VBAP | CHARG | CHARG_D | Batch Number | CHAR | 20 | Optional |
| VBAP | GRKOR | GRKOR | Delivery Group (Items are delivered together) | NUMC | 6 | Optional |
| VBAP | KZTLF | KZTLF | Partial delivery at item level | CHAR | 2 | Optional |
| VBAP | FAKSP | FAKSP_AP | Billing Block for Item | CHAR | 4 | Optional |
| VBKD | FKDAT | FKDAT | Billing Date | DATS | 16 | Optional |
| VBAP | WERKS | WERKS_EXT | Plant (Own or External) | CHAR | 8 | Optional |
| VBAP | LGORT | LGORT_D | Storage Location | CHAR | 8 | Optional |
| VBAP | ZMENG | DZMENG | Target Quantity in Sales Units | QUAN | 7 | Optional |
| VBAP | ZIEME | DZIEME | Target Quantity UoM | UNIT | 6 | Optional |
| VBAP | PSTYV | PSTYV | Sales Document Item Category | CHAR | 8 | Optional |
| VBAP | ARKTX | ARKTX | Short text for sales order item | CHAR | 80 | Optional |
| VBAP | MVGR1 | MVGR1 | Material Group 1 | CHAR | 6 | Optional |
| VBAP | MVGR2 | MVGR2 | Material Group 2 | CHAR | 6 | Optional |
| VBAP | MVGR3 | MVGR3 | Material Group 3 | CHAR | 6 | Optional |
| VBAP | MVGR4 | MVGR4 | Material Group 4 | CHAR | 6 | Optional |
| VBAP | MVGR5 | MVGR5 | Material Group 5 | CHAR | 6 | Optional |
| VBAP | PRODH | PRODH_D | Product Hierarchy | CHAR | 36 | Optional |
| VBAP | MATKL | MATKL | Material Group | CHAR | 18 | Optional |
| VBKD | BSTKD | BSTKD | Customer Reference | CHAR | 70 | Mandatory |
| VBKD | BSTDK | BSTDK | Customer Reference Date | DATS | 16 | Optional |
| VBKD | BSARK | BSARK | Customer Purchase Order Type | CHAR | 8 | Optional |
| VBKD | IHREZ | IHREZ | Your Reference | CHAR | 24 | Optional |
| VBKD | BSTKD_E | BSTKD_E | Ship-to Party's Customer Reference | CHAR | 70 | Optional |
| VBKD | BSARK_E | BSARK_E | Ship-to Party Purchase Order Type | CHAR | 8 | Optional |
| VBKD | IHREZ_E | IHREZ_E | Ship-to Party Character | CHAR | 24 | Optional |
| VBKD | KONDA | KONDA | Customer Price Group | CHAR | 4 | Optional |
| VBKD | KDGRP | KDGRP | Customer Group | CHAR | 4 | Optional |
| VBKD | BZIRK | BZIRK | Sales District | CHAR | 12 | Optional |
| VBKD | PLTYP | PLTYP | Price List Type | CHAR | 4 | Optional |
| VBKD | INCO1 | INCO1 | Incoterms (Part 1) | CHAR | 6 | Optional |
| VBKD | INCO2 | INCO2 | Incoterms (Part 2) | CHAR | 56 | Optional |
| VBKD | KZAZU | KZAZU_D | Order Combination Indicator | CHAR | 2 | Optional |
| VBKD | PERFK | PERFK | Invoice Dates (Calendar Identification) | CHAR | 4 | Optional |
| VBKD | PERRL | PERRL | Invoice List Schedule (calendar identification) | CHAR | 4 | Optional |
| VBKD | MRNKZ | MRNKZ | Manual Invoice Maintenance | CHAR | 2 | Optional |
| VBKD | VALTG | VALTG | Additional Value Days | NUMC | 4 | Optional |
| VBKD | VALDT | VALDT | Fixed Value Date | DATS | 16 | Optional |
| VBKD | ZTERM | DZTERM | Terms of Payment Key | CHAR | 8 | Optional |
| VBKD | ZLSCH | SCHZW_BSEG | Payment Method | CHAR | 2 | Optional |
| VBKD | KTGRD | KTGRD | Account Assignment Group for Customer | CHAR | 4 | Optional |
| VBKD | PRSDT | PRSDT | Date for Pricing and Exchange Rate | DATS | 16 | Optional |
| VBKD | FBUDA | FBUDA | Date on which services are rendered | DATS | 16 | Optional |
| VBKD | ABSSC | ABSSCHE_CM | Payment Guarantee Procedure | CHAR | 12 | Optional |
| VBKD | LCNUM | LCNUM | Financial doc. processing: Internal financial doc. number | CHAR | 20 | Optional |

| | | | | | | |
|------|------------|------------|--|------|----|-----------|
| VBKD | EMPST | EMPST | Receiving Point | CHAR | 50 | Optional |
| VBKD | KDKG1 | KDKG1 | Customer condition group 1 | CHAR | 4 | Optional |
| VBKD | KDKG2 | KDKG2 | Customer condition group 2 | CHAR | 4 | Optional |
| VBKD | KDKG3 | KDKG3 | Customer condition group 3 | CHAR | 4 | Optional |
| VBKD | KDKG4 | KDKG4 | Customer condition group 4 | CHAR | 4 | Optional |
| VBKD | KDKG5 | KDKG5 | Customer condition group 5 | CHAR | 4 | Optional |
| VBAP | VRKME | VRKME | Sales Unit | UNIT | 6 | Mandatory |
| VBAP | FMENG | FMENG | Quantity is fixed | CHAR | 2 | Optional |
| VBAP | UEBTK | UEBTK_V | Unlimited Overdelivery Allowed | CHAR | 2 | Optional |
| VBAP | UEBTO | UEBTO | Overdelivery Tolerance | DEC | 2 | Optional |
| VBAP | UNTT0 | UNTT0 | Underdelivery Tolerance | DEC | 2 | Optional |
| VBAP | SPART | SPART | Division | CHAR | 4 | Optional |
| VBAP | UMVKZ | UMVKZ | Numerator (factor) for conversion of sales quantity into SKU | DEC | 3 | Optional |
| VBAP | UMVKN | UMVKN | Denominator (divisor) for conversion of sales Qty into SKU | DEC | 3 | Optional |
| VBAP | BRGEW | BRGEW_AP | Gross Weight of the Item | QUAN | 8 | Optional |
| VBAP | NTGEW | NTGEW_AP | Net Weight of the Item | QUAN | 8 | Optional |
| VBAP | GEWEI | GEWEI | Unit of Weight | UNIT | 6 | Optional |
| VBAP | VOLUM | VOLUM_AP | Volume of the item | QUAN | 8 | Optional |
| VBAP | VOLEH | VOLEH | Volume Unit | UNIT | 6 | Optional |
| VBAP | LPRIO | LPRIO | Delivery Priority | NUMC | 4 | Optional |
| VBAP | VSTEL | VSTEL | Shipping Point / Receiving Point | CHAR | 8 | Optional |
| VBAP | ROUTE | ROUTE | Route | CHAR | 12 | Optional |
| VBAP | TAXM1 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM2 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM3 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM4 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM5 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM6 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM7 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM8 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | TAXM9 | TAXMT | Tax Classification for Material | CHAR | 2 | Optional |
| VBAP | KONDM | KONDM | Material Price Group | CHAR | 4 | Optional |
| VBAP | BWTAR | BWTAR_D | Valuation Type | CHAR | 20 | Optional |
| VBAP | FIXMG | FIXMG | Delivery Date and Quantity Fixed | CHAR | 2 | Optional |
| VBAP | BEDAE | BEDAE | Requirements type | CHAR | 8 | Optional |
| VBAP | EXART | EXART | Business Transaction Type | CHAR | 4 | Optional |
| VBAP | MFRGR | MFRGR | Material Freight Group | CHAR | 16 | Optional |
| VBAP | PMATN | PMATN | Pricing Reference Material | CHAR | 80 | Optional |
| VBAP | ANTLF | ANTLF | Maximum Number of Partial Deliveries Allowed Per Item | DEC | 1 | Optional |
| VBAP | J_1BTAXLW1 | J_1BTAXLW1 | Tax law: ICMS | CHAR | 6 | Optional |
| VBAP | J_1BTAXLW2 | J_1BTAXLW2 | Tax law: IPI | CHAR | 6 | Optional |
| VBAP | J_1BTXSDC | J_1BTXSDC_ | SD tax code | CHAR | 4 | Optional |
| VBAP | KMPMG | KMPMG | Component Quantity | QUAN | 7 | Optional |
| VBAP | WAERK | WAERK | SD Document Currency | CUKY | 10 | Optional |
| VBAP | PRCTR | PRCTR | Profit Center | CHAR | 20 | Optional |
| | | | Depreciation percentage for financial document | | | |

| | | | | | | |
|------|----------------|------------|--|------|-----|-----------|
| VBKD | AKPRZ | AKPRZ | processing | DEC | 3 | Optional |
| VBAP | VGBEL | VGBEL | Document Number of Reference Document | CHAR | 20 | Optional |
| VBAP | VGPOS | VGPOS | Item number of the reference item | NUMC | 12 | Optional |
| VBAP | KDMAT | MATNR_KU | Material Number Used by Customer | CHAR | 70 | Optional |
| VBKD | VSART | VSARTTR | Shipping Type | CHAR | 4 | Optional |
| VBKD | SDABW | SDABW | Special Processing Indicator | CHAR | 8 | Optional |
| VBAP | J_1BCFOP | J_1BCFOP | CFOP Code and Extension | CHAR | 20 | Optional |
| VBAP | MATWA | MATWA | Material Entered | CHAR | 80 | Optional |
| VBKD | J_1AFITP | J_1AFITP_D | Tax Type | CHAR | 4 | Optional |
| VBKD | J_1ARFZ | J_1ARFZVAT | Reason for Zero VAT | CHAR | 2 | Optional |
| VBAP | J_1BTAXLW4 | J_1BTAXLW4 | COFINS Tax Law | CHAR | 6 | Optional |
| VBAP | J_1BTAXLW5 | J_1BTAXLW5 | PIS Tax Law | CHAR | 6 | Optional |
| VBAP | PMATN | PMATN | Pricing Reference Material | CHAR | 80 | Optional |
| VBAP | MATWA | MATWA | Material Entered | CHAR | 80 | Optional |
| VBPA | PARVW | PARVW | Partner Function | CHAR | 4 | Optional |
| VBPA | KUNNR | KUNNR | Customer Number | CHAR | 20 | Optional |
| ADRC | TITLE | AD_TITLE | Form-of-Address Key | CHAR | 8 | Optional |
| ADRC | NAME1 | AD_NAME1 | Name 1 | CHAR | 80 | Optional |
| ADRC | NAME2 | AD_NAME2 | Name 2 | CHAR | 80 | Optional |
| ADRC | NAME3 | AD_NAME3 | Name 3 | CHAR | 80 | Optional |
| ADRC | NAME4 | AD_NAME4 | Name 4 | CHAR | 80 | Optional |
| ADRC | STREET | AD_STREET | Street | CHAR | 120 | Optional |
| VBPA | LAND1 | LAND1 | Country/Region Key | CHAR | 6 | Optional |
| ADRC | COUNTRY | LAND1 | Country/Region Key | CHAR | 6 | Optional |
| ADRC | POST_COD E1 | AD_PSTCD1 | City postal code | CHAR | 20 | Optional |
| ADRC | PO_BOX | AD_POBX | PO Box | CHAR | 20 | Optional |
| ADRC | PO_BOX_LOC | AD_POBXLOC | PO Box city | CHAR | 80 | Optional |
| ADRC | CITY1 | AD_CITY1 | City | CHAR | 80 | Optional |
| ADRC | CITY2 | AD_CITY2 | District | CHAR | 80 | Optional |
| ADRC | REGIO | REGIO | Region (State, Province, County) | CHAR | 6 | Optional |
| ADRC | PO_BOX | AD_POBX | PO Box | CHAR | 20 | Optional |
| ADR2 | TELNR_LONG | AD_TELNRLG | Complete Number: Dialing Code+Number+Extension | CHAR | 60 | Optional |
| ADR3 | FAXNR_LONG | AD_FXNRLNG | Complete Number: Dialing Code+Number+Extension | CHAR | 60 | Optional |
| STXH | TDSPRAS | SPRAS | Language Key | LANG | 2 | Optional |
| ADRC | LANGU | SPRAS | Language Key | LANG | 2 | Optional |
| VBPA | ABLAD | ABLAD | Unloading Point | CHAR | 50 | Optional |
| VBPA | LZONE | LZONE | Transportation zone to or from which the goods are delivered | CHAR | 20 | Optional |
| ADRC | TAXJURCO DE | AD_TXJCD | Tax Jurisdiction | CHAR | 30 | Optional |
| VBAP | EQART | EQART | Type of Technical Object | CHAR | 20 | Not used |
| STXH | LOGSYS | LOGSYS | Logical system | CHAR | 20 | Optional |
| VBPA | STCEG | STCEG | VAT Registration Number | CHAR | 40 | Optional |
| VBAP | POSNR | POSNR_VA | Sales Document Item | NUMC | 12 | Mandatory |
| VBEP | ETENR | ETENR | Schedule Line Number | NUMC | 8 | Mandatory |
| VBEP | EDATU | EDATU | Schedule Line Date | DATS | 16 | Mandatory |
| VBEP | WMENG | WMENG | Order Quantity in Sales Units | QUAN | 7 | Mandatory |
| VBEP | LIFSP | LIFSP_EP | Schedule Line Blocked for Delivery | CHAR | 4 | Optional |

| | | | | | | |
|-------------|-----------|---------------------|--|-----------|-------|-----------|
| VBEP | ETTYT | ETTYT | Schedule Line Category | CHAR | 4 | Optional |
| PRCD_ELEMTS | KPOSN | KPOSN | Condition item number | NUMC | 12 | Optional |
| PRCD_ELEMTS | KSCHL | KSCHA | Condition Type | CHAR | 8 | Optional |
| PRCD_ELEMTS | WAERS | WAERS | Currency Key | CUKY | 10 | Optional |
| PRCD_ELEMTS | KPEIN | KPEIN | Condition Pricing Unit | DEC | 3 | Optional |
| PRCD_ELEMTS | KDATU | VFPRC_TIMESTAMP | Timestamp for Pricing | CHAR | 28 | Optional |
| PRCD_ELEMTS | KKURS | KKURS | Condition exchange rate for conversion to local currency | DEC | 5 | Optional |
| PRCD_ELEMTS | KWERT | VFPRC_ELEMENT_VALUE | Condition Value | CURR | 8 | Optional |
| VBAK | WAERK | WAERK | SD Document Currency | CUKY | 10 | Optional |
| VBAK | VBELN | VBELN_VA | Sales Document | CHAR | 20 | Mandatory |
| VBAP | POSNR | POSNR_VA | Sales Document Item | NUMC | 12 | Mandatory |
| STXH | TDID | TDID | Text ID | CHAR | 8 | Optional |
| STXH | TDSRAS | SPRAS | Language Key | LANG | 2 | Optional |
| SRXL | READ_TEXT | TEXT | Text | LONG TEXT | 99999 | Optional |
| VBKD | INCO2_L | INCO2_L | Incoterms Location 1 | CHAR | 70 | Optional |
| VBKD | RR_RELTYP | RRREL | Revenue recognition category | CHAR | 1 | Optional |

Data Cleansing

| ID | Criticality | Error Message/Report Description | Rule | Output | Source System |
|----------|-------------|---|--|---|---------------|
| 9065-001 | C-1 | Sales order open for more than 3 years. | If Orders created (VBAK-ERDAT) for more than 3 years ago. | List of affected Sales Order with items | PF2/WP2 |
| 9065-002 | C-1 | Missing sold-to data | If the sold-to is not in scope for object 3003 | List of affected Sales Order with items | PF2/WP2 |
| 9065-003 | C-1 | Missing ship-to data | If the ship-to is not in scope for object 3003 | List of affected Sales Order with items | PF2/WP2 |
| 9065-004 | C-1 | Missing bill-to data | If the bill-to is not in scope for object 3003 | List of affected Sales Order with items | PF2/WP2 |
| 9065-005 | C-1 | Missing payer data | If the payer-to is not in scope for object 3003 | List of affected Sales Order with items | PF2/WP2 |
| 9065-006 | C-1 | Missing material master | If the material is not in scope for object 2003 | List of affected Sales Order with items | PF2/WP2 |
| 9065-007 | C-3 | Delivery note with planned PGI date beyond go-live date | If the DN PGI (VBEP-WADAT) is beyond go-live date. | List of affected Sales Order with items | PF2/WP2 |
| 9065-008 | C-3 | Open Credit / Debit Memo Request | If the document is not fully billed *Refer to the Credit / Debit Memo Request source data extraction criteria | List of open Credit / Debit Memo Request with items | PF2/WP2 |
| 9065-009 | C-3 | Open Return Order | If the Return Order is not processed completely *Refer to the Return Order source data extraction criteria | List of open Return Order with items | PF2/WP2 |
| 9065-010 | C-3 | Purchase order generated from "Third Party / Individual Purchase Order" with planned delivery date beyond go-live date. | If the PO planned delivery date is beyond go-live date, delete the PO. *Refer to the Individual Purchase Order / Third Party Open Sales Order extraction criteria | List of affected Purchase Order | PF2/WP2 |
| 9065-011 | C-3 | Delivered completed with tolerance. | If the SO is not fully delivered, and there is no plan to delivery the remainders. | List of affected Sales Order with items | PF2/WP2 |

Fields required in the report

List of Sales Orders and Return Orders

| Table | Field | Field Description |
|---------------|-------|-------------------------|
| Source System | | |
| VBAK | AUART | Sales Document Type |
| VBAK | VKORG | Sales Organization |
| VBAK | VTWEG | Distribution Channel |
| VBAK | SPART | Division |
| VBAK | ERDAT | Creation date |
| VBAP | VBELN | Sales Document |
| VBAK | KUNNR | Customer Number |
| ADRC | NAME1 | Name 1 |
| VBAP | POSNR | Sales Document Item |
| VBAP | WERKS | Plant (Own or External) |
| VBAP | MATNR | Material Entered |
| VBAP | ARKTX | Material description |

List of Purchase Order

| Table | Field | Field Description |
|---------------|-------|-----------------------|
| Source System | | |
| EKKO | EBELN | Purchase Order number |
| EKKO | AEDAT | Creation Date |

Conversion Process

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

The ETL (Extract, Transform, Load) process is a structured approach to data migration and management, ensuring high-quality data is seamlessly transferred across systems. Here's a breakdown of its key components:

1. Extraction

The process begins with extracting metadata and raw data from source systems, such as Syensqo ECC system (i.e., WP2/PF2) periodically. The extracted data is then staged for transformation.

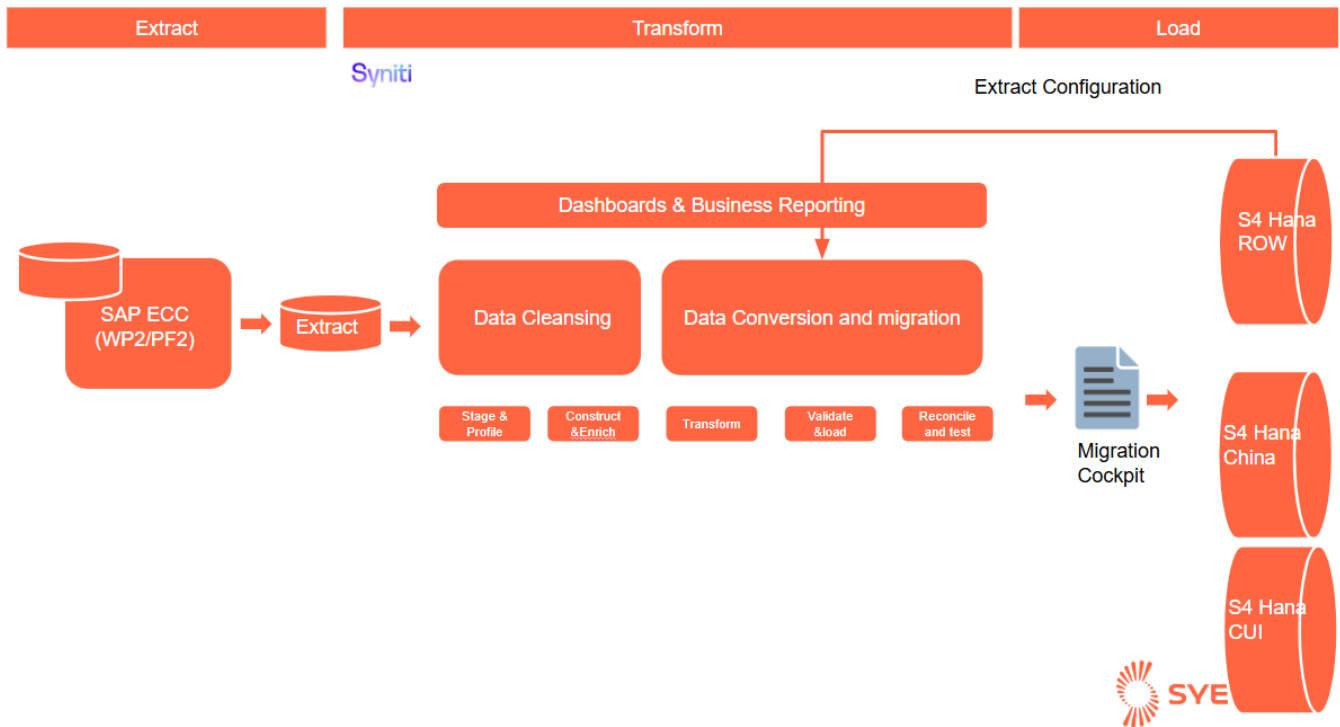
2. Transformation

Once extracted, the data undergoes cleansing, consolidation, and governance. This step ensures data integrity, consistency, and compliance with business rules. The transformation process includes:

- Data validation to remove inconsistencies.
- Standardization to align formats across datasets.
- Business rule application to refine data for operational use.

3. Loading

The transformed data is then loaded into the target S4 Hana system.



Data Privacy and Sensitivity

N/A

Extraction

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

1. The data exists. Syniti Migrate connects to the source and loads the data into Syniti Migrate. 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 Migrate 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 Syniti Migrate. This is to be conducted using DCT (Data Collection Template) in Syniti Migrate

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 | 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. | LTC Data team |
| 2 | 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 |
| 3 | Extraction Execution Plan - Establish execution timelines and batch processing schedules. - Assign responsibilities for extraction monitoring. - Document dependencies on other migration tasks. | Syniti |
| 4 | Data Quality and Validation | Syniti |

| | | |
|--|---|--|
| | - Define error handling mechanisms for extraction failures. | |
| | | |

Selection Screen *If applicable, this section will give the details on any selection screen parameters, including the parameter type, that are required to be entered to ensure consistent data extracts.*

| Selection Ref Screen | Parameter Name | Selection Type | Requirement | Value to be entered/set |
|----------------------|---|--|--|---|
| SE16N | Standard Open Sales Order Direct Delivery Open Sales Orders Individual Purchase Order Sales Order | To select: <ul style="list-style-type: none"> Standard or FOC Sales Order that is not fully delivered | Scenario 1-14, 31-34 under conversion scope This is to extract standard sales order and FOC sales order with open quantity. As long as the order is having open quantity, be it full or partially open, and it is not rejected, the order should be included in the migration. * The IC SO will be automatically created even though it is cross instance in S4 Hana. This is the design now, but yet to officially confirm | SELECT * FROM VBAK a inner join VBAP b on a.vbeln = b.VBELN and a.sourcedb = b.sourcedb LEFT JOIN vbup d ON b.vbeln = d.vbeln AND b.posnr = d.posnr and b.sourcedb = d.sourcedb inner join kna1 f on a.kunnr = f.kunnr and a.sourcedb = f.sourcedb inner join knvv g on a.kunnr = g.kunnr and a.vkorg = g.vkorg and a.vtweg = g.vtweg and a.spart = g.spart and a.sourcedb = g.sourcedb where a.vkorg in-scope and d.absta <> 'C' -- rejection status and f.loevm <> 'X' and g.loevm <> 'X' AND (a.VBTYP = 'C' OR a.VBTYP = 'I') and a.auart <> 'M3' and d.lfsta <> 'C' and d.lfsta <> '' |
| | IC STO (Out of scope) | To select: <ul style="list-style-type: none"> IC PO/SO from legacy, converting to IC STO scenario | Scenario 15-18 under conversion scope | Situation : IC PO/SO in legacy will be converted to Intercompany STO if the buying and selling entities are from the same S4 Hana system |
| | IC Open Sales Order (Out of scope) | To select: <ul style="list-style-type: none"> IC PO/SO from legacy, converting to IC PO/SO scenario | Scenario 19-22 under conversion scope * The IC SO will be automatically created even though it is cross instance in S4 Hana. This is the design now, but yet to officially confirm | Situation : IC PO/SO in legacy will be converted to Purchase Order and Sales Order if the buying and selling entities are from different S4 Hana system To-be : 1. Open PO quantity will be converted into a Purchase Order under buying entity 2. The Purchase Order will be the base for the IC Sales order in the selling entity |
| | IC STO (Out of scope) | To select: <ul style="list-style-type: none"> STO from legacy, converting to STO scenario | Scenario 23-26 under conversion scope | Situation : Intercompany STO in legacy will be converted to Intercompany STO if the buying and selling entities are from the same S4 Hana system |
| | IC Open Sales Order (Out of scope) | To select: <ul style="list-style-type: none"> STO from legacy, converting to IC PO/SO scenario | Scenario 27-29 under conversion scope * The IC SO will be automatically created even though it is cross instance in S4 Hana. This is the design now, but yet to officially confirm | Situation : Stock Transport Order in legacy will be converted to Purchase Order and Sales Order if the buying and selling entities are from different S4 Hana system To-be : 1. Open STO quantity will be converted into a Purchase Order under buying entity 2. The STO will be the base for the IC Sales order in the selling entity |
| | Third Party Sales Order | To select: <ul style="list-style-type: none"> Third Party Sales Order that is not fully billed | Scenario 35-38 under conversion scope This is to extract Third Party Sales Order sales order with open quantity. As long as the order is having open quantity, be it full or partially open, and it is not rejected, the order should be included in the migration. There is no delivery created for this case, hence, the open quantity is equal to the SO quantity minus the billed quantity. | SELECT * VBAK a inner join VBAP b on a.vbeln = b.VBELN and a.sourcedb = b.sourcedb LEFT JOIN vbup d ON b.vbeln = d.vbeln AND b.posnr = d.posnr and b.sourcedb = d.sourcedb inner join kna1 f on a.kunnr = f.kunnr and a.sourcedb = f.sourcedb inner join knvv g on a.kunnr = g.kunnr and a.vkorg = g.vkorg and a.vtweg = g.vtweg and a.spart = g.spart and a.sourcedb = g.sourcedb where a.vkorg in-scope and d.absta <> 'C' -- rejection status and f.loevm <> 'X' and g.loevm <> 'X' AND (a.VBTYP = 'C' OR a.VBTYP = 'I') and a.auart <> 'M3' and d.lfsta = '' and d.fksaa <> 'C' |
| | Credit / Debit Memo Request | To select: | Scenario 39-42 under conversion scope | SELECT * FROM VBAK a inner join VBAP b on a.vbeln = b.VBELN and a.sourcedb = b.sourcedb LEFT JOIN vbup d ON b.vbeln = d.vbeln AND b.posnr = d. |

| | | | | |
|--|--------------|--|---------------------------------------|---|
| | | <ul style="list-style-type: none"> Credit / Debit Memo Request that is not fully billed | | <pre> posnr and b.sourcedb = d.sourcedb inner join kna1 f on a.kunnr = f.kunnr and a.sourcedb = f.sourcedb inner join knvv g on a.kunnr = g.kunnr and a.vkorg = g.vkorg and a.vtweg = g.vtweg and a.spart = g.spart and a.sourcedb = g.sourcedb where a.vkorg in-scope and d.absta <> 'C' -- rejection status and f.loevm <> 'X' and g.loevm <> 'X' AND (a.VBTYP = 'K' OR a.VBTYP = 'L') and d.lfst = '' and d.fksaa <> 'C' </pre> |
| | Return Order | <p>To select:</p> <ul style="list-style-type: none"> Return Order that is not fully processed | Scenario 43-46 under conversion scope | <pre> SELECT * FROM VBAK a inner join VBAP b on a.vbeln = b.VBELN and a.sourcedb = b.sourcedb LEFT JOIN vbup d ON b.vbeln = d.vbeln AND b.posnr = d.posnr and b.sourcedb = d.sourcedb inner join kna1 f on a.kunnr = f.kunnr and a.sourcedb = f.sourcedb inner join knvv g on a.kunnr = g.kunnr and a.vkorg = g.vkorg and a.vtweg = g.vtweg and a.spart = g.spart and a.sourcedb = g.sourcedb where a.vkorg in-scope and d.absta <> 'C' -- rejection status and f.loevm <> 'X' and g.loevm <> 'X' AND (a.VBTYP = 'H') and d.lfst <> 'C' and d.lfst <> '' </pre> |

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.

DCT Rules

| Field Name | Field Description | Rule |
|------------|-------------------|------|
| | | |
| | | |
| | | |
| | | |

Extraction Dependencies

| Item # | Step Description | Team Responsible |
|--------|--|------------------|
| 1 | <p>Source System Availability</p> <ul style="list-style-type: none"> Ensure that the source database or application is accessible. Confirm that necessary credentials and permissions are granted | Syensqo IT |
| 2 | <p>Data Structure</p> <ul style="list-style-type: none"> Identify relationships between tables, views, and stored procedures. | Syniti |
| 3 | <p>Referential Integrity</p> <ul style="list-style-type: none"> Ensure dependent records are extracted together. | Syniti |
| 4 | <p>Extraction Methodology</p> <ul style="list-style-type: none"> Define whether extraction is full, incremental, or delta-based. Establish batch processing schedules for large datasets. | Syniti |
| 5 | <p>Performance and Scalability Considerations</p> <ul style="list-style-type: none"> Optimize extraction queries to prevent system overload. Ensure network bandwidth supports data transfer volumes. | Syniti |

| | | |
|---|---|------------------------|
| 6 | Security and Compliance <ul style="list-style-type: none"> Adhere to regulatory standards for sensitive information if applicable | Syniti |
| 7 | Close all Credit / Debit Memo Request and Return Order <ul style="list-style-type: none"> All Credit / Debit Memo Request and Return Order has to be completely billed or rejected | Data team and Business |
| 8 | Close all Delivery Note <ul style="list-style-type: none"> Once a delivery note is created, the corresponding quantity is deducted from the open quantity in the sales order. To ensure accurate reflection of open sales order quantities, all delivery notes must be closed. During migration, each delivery note should be completed through to the billing document posted to accounting. If a delivery note cannot be completed, it should be deleted. | Data team and Business |

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 Migrate to make the data Target ready:

- Perform value mapping and data transformation rules.
 - Legacy values are mapped to the to-be values (this could include a default value)
 - Values are transformed according to the rules defined in Syniti Migrate
- 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 | 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, Functional Team |
| 2 | Data Mapping and Standardization - Align source fields with target fields. - Ensure unit consistency (e.g., currency, measurement units) | Data Team, Functional Team |
| 3 | Business Rule Application - Implement data enrichment/collection if applicable - Apply conditional transformations based on predefined logic/business rules | Data Team, Functional Team |
| 4 | Transformation Execution Plan - Define batch processing schedules. - Assign responsibilities for monitoring execution. - Establish error-handling mechanisms | Syniti |
| 5 | Configure transformation rules in Syniti Migrate (including calculated fields, formatting rules, etc.) | Syniti |
| 6 | Review transformation logic and mappings with Business for confirmation | Business Team + Functional Team (L2C) |
| 7 | Perform initial transformation run and generate draft target-ready dataset | Data Team (Syniti), |
| 8 | Review draft target-ready data for structure and completeness | Data Team (L2C), Functional Team (L2C) |
| 9 | Share transformed data with Business for Pre-load Validation | Business Team |
| 10 | Incorporate feedback from Business and refine mappings or transformation logic as needed | Data Team (L2C) |
| 11 | Finalize and approve transformed data as Target Ready Load File | Business + Functional (L2C) + Data Team (L2C) |
| 12 | Handover final file to Load Team or trigger the load via Syniti Load Workbench | Data Team (Syniti), Data Load Team |

Transformation Rules

| Rule # | Source system | Source Table | Source Field | Source Description | Target System | Target Table | Target Field | Target Description | Transformation Logic | Mapping Table |
|--------|---------------|--------------|--------------|------------------------------|---------------|--------------|--------------|------------------------------|----------------------|---|
| Header | | | | | | | | | | |
| 1 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 2 | WP2 & PF2 | VBAK | AUART | Sales Document Type | S/4 HANA | VBAK | AUART | Sales Document Type | Mapping | MAP_AUART |
| 3 | WP2 & PF2 | N/A | N/A | | S/4 HANA | VBAK | VKORG | Sales Organization | Rule | <p>CHECK MAP_VKORG</p> <p>IF 1 legacy is mapped to only 1 target VKORG, take the target VKORG</p> <p>ELSE -- More than 1 target VKORG, derive with below logic</p> <p>The assumption is that the material has derived the right sales org based on the profit center. The SO will be created to the sales org that the material has been extended to.</p> <p>Refer to material master sales view (MVKE), take the Sales Org extended the company code. The assumption is that the same material should be extended to only 1 GBU within the same company code</p> <p>Select VKORG from MVKE A, TVKO B where A.MATNR = VBAP-MATNR and B.BUKRS = VBAK-BUKRS_VF</p> <p>If there are materials from several sales orgs, the Sales Order need to be split accordingly by sales org</p> |
| 4 | WP2 & PF2 | N/A | N/A | | S/4 HANA | VBAK | VTWEG | Distribution Channel | Rule | <p>Definition of Distribution Channel</p> <p>When the ship-to party/Delivery plant are in the same country, it is 20 -Domestic DC</p> <p>When the ship-to party/Delivery plant are in the Different country, it is 10 Export DC</p> <p>When the sold-to is Intercompany BP, it is always 30 - Intercompany DC</p> <p>Select VBUND from KNA1 (S4) where KNA1.KUNNR = VBAK-KUNNR</p> <p>If VBUND Not Blank Then VTWEG = "30" Else</p> <p>*If the item Ship-to is provided, take the Target Country from the item ship-to, otherwise, take from the header ship-to</p> <p>If VBPA-PARVW = SH AND VBPA-POSNR = VBAP-POSNR for the item is not blank then -- Taking item ship-to T_Country = VBPA-LAND1 Else T_Country = VBPA-PARVW where VBPA-PARVW = SH and VBPA-POSNR = BLANK - Taking header ship-to EndIf</p> <p>Select LAND1 from as S_Country T001W where VBAP-WERKS= T001W-WERKS</p> <p>If S_Country Not Equal T_Country then VTCEG = "10" Else VTCEG = "20" EndIf</p> <p>If there are 2 different VTCEG determined, 2 Sales orders need to be split accordingly by VTCEG.</p> |
| 5 | WP2 & PF2 | VBAK | SPART | Division | S/4 HANA | VBAK | SPART | Division | Default : 01 | |
| 6 | WP2 & PF2 | VBAK | VKGRP | Sales Group | S/4 HANA | VBAK | VKGRP | Sales Group | Rule | Default : Blank |
| 7 | WP2 & PF2 | VBAK | VKBUR | Sales Office | S/4 HANA | VBAK | VKBUR | Sales Office | Mapping | MAP_VKBUR |
| 8 | WP2 & PF2 | VBAK | VDATU | Requested Delivery Date | S/4 HANA | VBAK | VDATU | Requested Delivery Date | Copy 1:1 | |
| 9 | WP2 & PF2 | VBKD | BSTDK | Customer Reference Date | S/4 HANA | VBKD | BSTDK | Customer Reference Date | Copy 1:1 | |
| 10 | WP2 & PF2 | VBKD | BSARK | Customer Purchase Order Type | S/4 HANA | VBKD | BSARK | Customer Purchase Order Type | Mapping | MAP_BSARK |
| 11 | WP2 & PF2 | VBKD | IHREZ | Your Reference | S/4 HANA | VBKD | IHREZ | Your Reference | Copy 1:1 | |
| 12 | WP2 & PF2 | VBAK | BNAME | Name of orderer | S/4 HANA | VBAK | BNAME | Name of orderer | Copy 1:1 | |
| 13 | WP2 & PF2 | VBAK | TELF1 | Telephone Number | S/4 HANA | VBAK | TELF1 | Telephone Number | Copy 1:1 | |
| 14 | WP2 & PF2 | VBKD | KONDA | Customer Price Group | S/4 HANA | VBKD | KONDA | Customer Price Group | Mapping | MAP_KONDA |
| 15 | WP2 & PF2 | VBKD | KDGRP | Customer Group | S/4 HANA | VBKD | KDGRP | Customer Group | Mapping | MAP_KDGRP |
| 16 | WP2 & PF2 | VBKD | BZIRK | Sales District | S/4 HANA | VBKD | BZIRK | Sales District | Mapping | MAP_BZIRK |
| 17 | WP2 & PF2 | VBKD | PLTYP | Price List Type | S/4 HANA | VBKD | PLTYP | Price List Type | Mapping | MAP_PLTYP |
| | | | | Incoterms (Part | | | | Incoterms (Part | | |

| | | | | | | | | | | |
|----|-----------|------|---------|--|----------|------|----------|--|-------------|-----------|
| 18 | WP2 & PF2 | VBKD | INCO1 | 1) | S/4 HANA | VBKD | INCO1 | 1) | Mapping | MAP_INCO1 |
| 19 | WP2 & PF2 | VBKD | INCO2 | Incoterms (Part 2) | S/4 HANA | VBKD | INCO2 | Incoterms (Part 2) | Copy 1:1 | |
| 20 | WP2 & PF2 | VBKD | ZTERM | Terms of Payment Key | S/4 HANA | VBKD | ZTERM | Terms of Payment Key | Mapping | MAP_ZTERM |
| 21 | WP2 & PF2 | VBAK | LIFSK | Delivery Block (Document Header) | S/4 HANA | VBAK | LIFSK | Delivery Block (Document Header) | Mapping | MAP_LIFSK |
| 22 | WP2 & PF2 | VBAK | FAKSK | Billing Block in SD Document | S/4 HANA | VBAK | FAKSK | Billing Block in SD Document | Mapping | MAP_FAKSK |
| 23 | WP2 & PF2 | VBAK | AUGRU | Order Reason (Reason for the Business Transaction) | S/4 HANA | VBAK | AUGRU | Order Reason (Reason for the Business Transaction) | Mapping | MAP_AUGRU |
| 24 | WP2 & PF2 | VBAK | AUTLF | Complete Delivery Defined for Each Sales Order | S/4 HANA | VBAK | AUTLF | Complete Delivery Defined for Each Sales Order | Copy 1:1 | |
| 25 | WP2 & PF2 | VBKD | PRSDT | Date for Pricing and Exchange Rate | S/4 HANA | VBKD | PRSDT | Date for Pricing and Exchange Rate | Copy 1:1 | |
| 26 | WP2 & PF2 | VBAK | KVGR1 | Customer Group 1 | S/4 HANA | VBAK | KVGR1 | Customer Group 1 | Mapping | MAP_KVGR1 |
| 27 | WP2 & PF2 | VBAK | KVGR2 | Customer Group 2 | S/4 HANA | VBAK | KVGR2 | Customer Group 2 | Mapping | MAP_KVGR2 |
| 28 | WP2 & PF2 | VBAK | KVGR3 | Customer Group 3 | S/4 HANA | VBAK | KVGR3 | Customer Group 3 | Mapping | MAP_KVGR3 |
| 29 | WP2 & PF2 | VBAK | KVGR4 | Customer Group 4 | S/4 HANA | VBAK | KVGR4 | Customer Group 4 | Mapping | MAP_KVGR4 |
| 30 | WP2 & PF2 | VBAK | KVGR5 | Customer Group 5 | S/4 HANA | VBAK | KVGR5 | Customer Group 5 | Mapping | MAP_KVGR5 |
| 31 | WP2 & PF2 | VBKD | BSTKD | Customer Reference | S/4 HANA | VBKD | BSTKD | Customer Reference | Copy 1:1 | |
| 32 | WP2 & PF2 | VBKD | BSTKD_E | Ship-to Party's Customer Reference | S/4 HANA | VBKD | BSTKD_E | Ship-to Party's Customer Reference | Copy 1:1 | |
| 33 | WP2 & PF2 | VBKD | BSARK_E | Ship-to Party Purchase Order Type | S/4 HANA | VBKD | BSARK_E | Ship-to Party Purchase Order Type | Mapping | MAP_BSARK |
| 34 | WP2 & PF2 | VBKD | IHREZ_E | Ship-to Party Character | S/4 HANA | VBKD | IHREZ_E | Ship-to Party Character | Copy 1:1 | |
| 35 | WP2 & PF2 | VBAK | AUDAT | Document Date (Date Received /Sent) | S/4 HANA | VBAK | AUDAT | Document Date (Date Received /Sent) | Copy 1:1 | |
| 36 | WP2 & PF2 | VBAK | VSBED | Shipping Conditions | S/4 HANA | VBAK | VSBED | Shipping Conditions | Mapping | MAP_VSBED |
| 37 | WP2 & PF2 | VBAK | MAHZA | Number of Contacts from the Customer | S/4 HANA | VBAK | MAHZA | Number of Contacts from the Customer | Copy 1:1 | |
| 38 | WP2 & PF2 | VBAK | VGBEL | Document Number of Reference Document | S/4 HANA | VBAK | VGBEL | Document Number of Reference Document | Mapping | SO_XREF |
| 39 | | | | | S/4 HANA | VBAK | BUKRS_VF | Company Code to Be Billed | Auto derive | |
| 40 | WP2 & PF2 | VBAK | TAXK1 | Alternative Tax Classification | S/4 HANA | VBAK | TAXK1 | Alternative Tax Classification | Mapping | MAP_TAXKD |
| 41 | WP2 & PF2 | VBAK | TAXK2 | Tax Classification 2 for Customer | S/4 HANA | VBAK | TAXK2 | Tax Classification 2 for Customer | Mapping | MAP_TAXKD |
| 42 | WP2 & PF2 | VBAK | TAXK3 | Tax Classification 3 for Customer | S/4 HANA | VBAK | TAXK3 | Tax Classification 3 for Customer | Mapping | MAP_TAXKD |
| 43 | WP2 & PF2 | VBAK | TAXK4 | Tax Classification 4 for Customer | S/4 HANA | VBAK | TAXK4 | Tax Classification 4 for Customer | Mapping | MAP_TAXKD |
| 44 | WP2 & PF2 | VBAK | TAXK5 | Tax Classification 5 for Customer | S/4 HANA | VBAK | TAXK5 | Tax Classification 5 for Customer | Mapping | MAP_TAXKD |
| 45 | WP2 & PF2 | VBAK | TAXK6 | Tax Classification 6 for Customer | S/4 HANA | VBAK | TAXK6 | Tax Classification 6 for Customer | Mapping | MAP_TAXKD |
| 46 | WP2 & PF2 | VBAK | TAXK7 | Tax Classification 7 for Customer | S/4 HANA | VBAK | TAXK7 | Tax Classification 7 for Customer | Mapping | MAP_TAXKD |
| 47 | WP2 & PF2 | VBAK | TAXK8 | Tax Classification 8 for Customer | S/4 HANA | VBAK | TAXK8 | Tax Classification 8 for Customer | Mapping | MAP_TAXKD |
| 48 | WP2 & PF2 | VBAK | XBLNR | Reference Document Number | S/4 HANA | VBAK | XBLNR | Reference Document Number | Copy 1:1 | |
| 49 | WP2 & PF2 | VBAK | ZUONR | Assignment Number | S/4 HANA | VBAK | ZUONR | Assignment Number | Copy 1:1 | |
| 50 | WP2 & PF2 | VBKD | KZAZU | Order Combination Indicator | S/4 HANA | VBKD | KZAZU | Order Combination Indicator | Copy 1:1 | |
| 51 | WP2 & PF2 | VBKD | PERFK | Invoice Dates (Calendar Identification) | S/4 HANA | VBKD | PERFK | Invoice Dates (Calendar Identification) | Mapping | MAP_PERFK |

| | | | | | | | | | | |
|-------------|-----------|------|---------|---|----------|------|---------|---|-------------|---|
| 52 | WP2 & PF2 | VBKD | PERRL | Invoice List Schedule (calendar identification) | S/4 HANA | VBKD | PERRL | Invoice List Schedule (calendar identification) | Mapping | MAP_PERFK |
| 53 | WP2 & PF2 | VBKD | MRNKZ | Manual Invoice Maintenance | S/4 HANA | VBKD | MRNKZ | Manual Invoice Maintenance | Copy 1:1 | |
| 54 | WP2 & PF2 | VBKD | VALTG | Additional Value Days | S/4 HANA | VBKD | VALTG | Additional Value Days | Copy 1:1 | |
| 55 | WP2 & PF2 | VBKD | VALDT | Fixed Value Date | S/4 HANA | VBKD | VALDT | Fixed Value Date | Copy 1:1 | |
| 56 | WP2 & PF2 | VBKD | ZLSCH | Payment Method | S/4 HANA | VBKD | ZLSCH | Payment Method | Mapping | MAP_ZLSCH |
| 57 | WP2 & PF2 | VBKD | KTGRD | Account Assignment Group for Customer | S/4 HANA | VBKD | KTGRD | Account Assignment Group for Customer | Mapping | MAP_KTGRD |
| 58 | WP2 & PF2 | VBKD | FKDAT | Billing Date | S/4 HANA | VBKD | FKDAT | Billing Date | Copy 1:1 | |
| 59 | WP2 & PF2 | VBKD | FBUDA | Date on which services are rendered | S/4 HANA | VBKD | FBUDA | Date on which services are rendered | Copy 1:1 | |
| 60 | WP2 & PF2 | VBKD | ABSSC | Payment Guarantee Procedure | S/4 HANA | VBKD | ABSSC | Payment Guarantee Procedure | Mapping | MAP_ABSSC |
| 61 | WP2 & PF2 | VBKD | EMPST | Receiving Point | S/4 HANA | VBKD | EMPST | Receiving Point | Copy 1:1 | |
| 62 | WP2 & PF2 | VBKD | LCNUM | Financial doc. processing: Internal financial doc. number | S/4 HANA | VBKD | LCNUM | Financial doc. processing: Internal financial doc. number | Copy 1:1 | |
| 63 | WP2 & PF2 | VBKD | KDKG1 | Customer condition group 1 | S/4 HANA | VBKD | KDKG1 | Customer condition group 1 | Mapping | MAP_KDKGX |
| 64 | WP2 & PF2 | VBKD | KDKG2 | Customer condition group 2 | S/4 HANA | VBKD | KDKG2 | Customer condition group 2 | Mapping | MAP_KDKGX |
| 65 | WP2 & PF2 | VBKD | KDKG3 | Customer condition group 3 | S/4 HANA | VBKD | KDKG3 | Customer condition group 3 | Mapping | MAP_KDKGX |
| 66 | WP2 & PF2 | VBKD | KDKG4 | Customer condition group 4 | S/4 HANA | VBKD | KDKG4 | Customer condition group 4 | Mapping | MAP_KDKGX |
| 67 | WP2 & PF2 | VBKD | KDKG5 | Customer condition group 5 | S/4 HANA | VBKD | KDKG5 | Customer condition group 5 | Mapping | MAP_KDKGX |
| 68 | WP2 & PF2 | VBAK | WAERK | SD Document Currency | S/4 HANA | VBAK | WAERK | SD Document Currency | Copy 1:1 | |
| 69 | WP2 & PF2 | VBAK | LANDTX | Tax Departure Country/Region | S/4 HANA | VBAK | LANDTX | Tax Departure Country/Region | Mapping | MAP_LAND1 |
| 70 | WP2 & PF2 | VBAK | STCEG_L | Tax Destination Country/Region | S/4 HANA | VBAK | STCEG_L | Tax Destination Country/Region | Mapping | MAP_LAND1 |
| 71 | WP2 & PF2 | VBAK | XEGDR | Indicator: Triangular Deal Within the EU | S/4 HANA | VBAK | XEGDR | Indicator: Triangular Deal Within the EU | Copy 1:1 | |
| 72 | | | | | S/4 HANA | VBKD | VSART | Shipping Type | Auto derive | |
| 73 | WP2 & PF2 | VBKD | SDABW | Special Processing Indicator | S/4 HANA | VBKD | SDABW | Special Processing Indicator | Mapping | MAP_SDABW |
| 74 | | | | | S/4 HANA | VBKD | INCO2_L | Incoterms Location 1 | Auto derive | |
| 75 | | | | | S/4 HANA | VBKD | RRREL | Revenue recognition category | Auto derive | |
| Item | | | | | | | | | | |
| 76 | WP2 & PF2 | VBAP | VBELN | Sales Document | S/4 HANA | VBAP | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 77 | WP2 & PF2 | VBAP | POSNR | Sales Document Item | S/4 HANA | VBAP | POSNR | Sales Document Item | Copy 1:1 | |
| 78 | WP2 & PF2 | VBAP | UEPOS | Higher-Level Item in Bill of Material Structures | S/4 HANA | VBAP | UEPOS | Higher-Level Item in Bill of Material Structures | Copy 1:1 | |
| 79 | WP2 & PF2 | VBAP | POSEX | Item Number of the Underlying Purchase Order | S/4 HANA | VBAP | POSEX | Item Number of the Underlying Purchase Order | Copy 1:1 | |
| 80 | WP2 & PF2 | VBAP | GRPOS | Item for Which this Item is an Alternative | S/4 HANA | VBAP | GRPOS | Item for Which this Item is an Alternative | Copy 1:1 | |
| 81 | WP2 & PF2 | VBAP | CHARG | Batch Number | S/4 HANA | VBAP | CHARG | Batch Number | Copy 1:1 | |
| 82 | WP2 & PF2 | VBAP | GRKOR | Delivery Group (Items are delivered together) | S/4 HANA | VBAP | GRKOR | Delivery Group (Items are delivered together) | Copy 1:1 | |
| 83 | WP2 & PF2 | VBAP | KZTLF | Partial delivery at item level | S/4 HANA | VBAP | KZTLF | Partial delivery at item level | Copy 1:1 | |
| 84 | WP2 & PF2 | VBAP | FAKSP | Billing Block for Item | S/4 HANA | VBAP | FAKSP | Billing Block for Item | Mapping | MAP_FAKSK |
| 85 | WP2 & PF2 | VBKD | FKDAT | Billing Date | S/4 HANA | VBKD | FKDAT | Billing Date | Copy 1:1 | |
| 86 | WP2 & PF2 | VBAP | WERKS | Plant | S/4 HANA | VBAP | WERKS | Plant | Mapping | MAP_WERKS |

| 87 | WP2 & PF2 | VBAP | LGORT | Storage Location | S/4 HANA | VBAP | LGORT | Storage Location | Mapping | MAP_LGORT |
|-----|-----------|------|---------|------------------------------------|----------|------|---------|------------------------------------|-------------|---|
| | | | | | | | | | | <p>Business Logic:</p> <p>If VBEP-LFREL is NULL (no delivery schedule for the sales order item):</p> <ul style="list-style-type: none"> order_qty = VBAP-ZMENG (order quantity) billed_qty = Total billed quantity from billing items (VBRP), linked via VGBEL /VGPOS, excluding billing documents where VBRK.FKSTO = 'X' (cancelled) ZMENG (unbilled quantity) = order_qty - billed_qty <p>SQL Query :</p> <pre>SELECT vbap.vbeln, -- Sales order number vbap. posnr, -- Sales order item vbap.zmeng AS order_qty, -- Order quantity COALESCE(b.billed_ qty, 0) AS billed_qty, -- Billed quantity (default 0 if none) vbap.zmeng - COALESCE(b.billed_qty, 0) AS zmeng -- Unbilled quantity FROM vbap LEFT JOIN (SELECT vbrp.vgbel AS order_vbeln, vbrp. vgpos AS order_posnr, SUM(vbrp.fkimg) AS billed_qty FROM vbrp INNER JOIN vbrk ON vbrp. vbeln = vbrk.vbeln WHERE vbrk.fksto != 'X' -- Exclude cancelled billing documents GROUP BY vbrp.vgbel, vbrp.vgpos) b ON b.order_vbeln = vbap.vbeln AND b.order_posnr = vbap.posnr LEFT JOIN vbep ON vbep.vbeln = vbap.vbeln AND vbep.posnr = vbap.posnr WHERE vbep.lfrel IS N ULL -- Only select items with no VBEP entry (LFREL is NULL)</pre> <p>Sales Order and Billing Type Pairing</p> <ul style="list-style-type: none"> Only include billing documents where the sales order type and billing document type match as follows: <ul style="list-style-type: none"> Sales Order: VBAK-VBTYP in ('C', 'I') and VBRK-VBTYP = 'M' Return: VBAK-VBTYP = 'H' and VBRK-VBTYP = 'O' Debit Memo: VBAK-VBTYP = 'L' and VBRK-VBTYP = 'P' Credit Memo: VBAK-VBTYP = 'K' and VBRK-VBTYP = 'O' For each sales order item, check the type of the sales order (VBAK-VBTYP). When summing up the billed quantity from billing documents, only include those billing documents where the type (VBRK-VBTYP) matches the allowed type for that sales order. This ensures that, for example, a credit memo is not counted as billed quantity for a standard sales order, and vice versa. |
| 88 | WP2 & PF2 | | | | S/4 HANA | VBAP | ZMENG | Target Quantity in Sales Units | Rule | |
| 89 | WP2 & PF2 | VBAP | ZIEME | Target Quantity UoM | S/4 HANA | VBAP | ZIEME | Target Quantity UoM | Mapping | MAP_MEINS |
| 90 | WP2 & PF2 | VBAP | PSTYV | Sales Document Item Category | S/4 HANA | VBAP | PSTYV | Sales Document Item Category | Mapping | MAP_PSTYV |
| 91 | WP2 & PF2 | VBAP | ARKTX | Short text for sales order item | S/4 HANA | VBAP | ARKTX | Short text for sales order item | Copy 1:1 | |
| 92 | WP2 & PF2 | VBAP | MVGR1 | Material Group 1 | S/4 HANA | VBAP | MVGR1 | Material Group 1 | Mapping | MAP_MVGR1 |
| 93 | WP2 & PF2 | VBAP | MVGR2 | Material Group 2 | S/4 HANA | VBAP | MVGR2 | Material Group 2 | Mapping | MAP_MVGR2 |
| 94 | WP2 & PF2 | VBAP | MVGR3 | Material Group 3 | S/4 HANA | VBAP | MVGR3 | Material Group 3 | Mapping | MAP_MVGR3 |
| 95 | WP2 & PF2 | VBAP | MVGR4 | Material Group 4 | S/4 HANA | VBAP | MVGR4 | Material Group 4 | Mapping | MAP_MVGR4 |
| 96 | WP2 & PF2 | VBAP | MVGR5 | Material Group 5 | S/4 HANA | VBAP | MVGR5 | Material Group 5 | Mapping | MAP_MVGR5 |
| 97 | | | | | S/4 HANA | VBAP | PRODH | Product Hierarchy | Auto derive | |
| 98 | WP2 & PF2 | VBAP | MATKL | Material Group | S/4 HANA | VBAP | MATKL | Material Group | Mapping | MAP_MATKL |
| 99 | WP2 & PF2 | VBKD | BSTKD | Customer Reference | S/4 HANA | VBKD | BSTKD | Customer Reference | Copy 1:1 | |
| 100 | WP2 & PF2 | VBKD | BSTDK | Customer Reference Date | S/4 HANA | VBKD | BSTDK | Customer Reference Date | Copy 1:1 | |
| 101 | WP2 & PF2 | VBKD | BSARK | Customer Purchase Order Type | S/4 HANA | VBKD | BSARK | Customer Purchase Order Type | Mapping | MAP_BSARK |
| 102 | WP2 & PF2 | VBKD | IHREZ | Your Reference | S/4 HANA | VBKD | IHREZ | Your Reference | Copy 1:1 | |
| 103 | WP2 & PF2 | VBKD | BSTKD_E | Ship-to Party's Customer Reference | S/4 HANA | VBKD | BSTKD_E | Ship-to Party's Customer Reference | Copy 1:1 | |
| 104 | WP2 & PF2 | VBKD | BSARK_E | Ship-to Party Purchase Order Type | S/4 HANA | VBKD | BSARK_E | Ship-to Party Purchase Order Type | Mapping | MAP_BSARK |
| 105 | WP2 & PF2 | VBKD | IHREZ_E | Ship-to Party Character | S/4 HANA | VBKD | IHREZ_E | Ship-to Party Character | Copy 1:1 | |
| 106 | WP2 & PF2 | VBKD | KONDA | Customer Price Group | S/4 HANA | VBKD | KONDA | Customer Price Group | Mapping | MAP_KONDA |
| 107 | WP2 & PF2 | VBKD | KDGRP | Customer Group | S/4 HANA | VBKD | KDGRP | Customer Group | Mapping | MAP_KDGRP |
| 108 | WP2 & PF2 | VBKD | BZIRK | Sales District | S/4 HANA | VBKD | BZIRK | Sales District | Mapping | MAP_BZIRK |
| 109 | WP2 & PF2 | VBKD | PLTYP | Price List Type | S/4 HANA | VBKD | PLTYP | Price List Type | Mapping | MAP_PLTYP |

| | | | | | | | | | | |
|-----|-----------|------|-------|--|----------|------|-------|--|--------------|-----------|
| 110 | WP2 & PF2 | VBKD | INCO1 | Incoterms (Part 1) | S/4 HANA | VBKD | INCO1 | Incoterms (Part 1) | Mapping | MAP_INCO1 |
| 111 | WP2 & PF2 | VBKD | INCO2 | Incoterms (Part 2) | S/4 HANA | VBKD | INCO2 | Incoterms (Part 2) | Copy 1:1 | |
| 112 | WP2 & PF2 | VBKD | KZAZU | Order Combination Indicator | S/4 HANA | VBKD | KZAZU | Order Combination Indicator | Copy 1:1 | |
| 113 | WP2 & PF2 | VBKD | PERFK | Invoice Dates (Calendar Identification) | S/4 HANA | VBKD | PERFK | Invoice Dates (Calendar Identification) | Mapping | MAP_PERFK |
| 114 | WP2 & PF2 | VBKD | PERRL | Invoice List Schedule (calendar identification) | S/4 HANA | VBKD | PERRL | Invoice List Schedule (calendar identification) | Mapping | MAP_PERFK |
| 115 | WP2 & PF2 | VBKD | MRNKZ | Manual Invoice Maintenance | S/4 HANA | VBKD | MRNKZ | Manual Invoice Maintenance | Copy 1:1 | |
| 116 | WP2 & PF2 | VBKD | VALTG | Additional Value Days | S/4 HANA | VBKD | VALTG | Additional Value Days | Copy 1:1 | |
| 117 | WP2 & PF2 | VBKD | VALDT | Fixed Value Date | S/4 HANA | VBKD | VALDT | Fixed Value Date | Copy 1:1 | |
| 118 | WP2 & PF2 | VBKD | ZTERM | Terms of Payment Key | S/4 HANA | VBKD | ZTERM | Terms of Payment Key | Mapping | MAP_ZTERM |
| 119 | WP2 & PF2 | VBKD | ZLSCH | Payment Method | S/4 HANA | VBKD | ZLSCH | Payment Method | Mapping | MAP_ZLSCH |
| 120 | WP2 & PF2 | VBKD | KTGRD | Account Assignment Group for Customer | S/4 HANA | VBKD | KTGRD | Account Assignment Group for Customer | Mapping | MAP_KTGRD |
| 121 | WP2 & PF2 | VBKD | PRSDT | Date for Pricing and Exchange Rate | S/4 HANA | VBKD | PRSDT | Date for Pricing and Exchange Rate | Copy 1:1 | |
| 122 | WP2 & PF2 | VBKD | FBUDA | Date on which services are rendered | S/4 HANA | VBKD | FBUDA | Date on which services are rendered | Copy 1:1 | |
| 123 | WP2 & PF2 | VBKD | ABSSC | Payment Guarantee Procedure | S/4 HANA | VBKD | ABSSC | Payment Guarantee Procedure | Mapping | MAP_ABSSC |
| 124 | WP2 & PF2 | VBKD | LCNUM | Financial doc. processing: Internal financial doc. number | S/4 HANA | VBKD | LCNUM | Financial doc. processing: Internal financial doc. number | Copy 1:1 | |
| 125 | WP2 & PF2 | VBKD | EMPST | Receiving Point | S/4 HANA | VBKD | EMPST | Receiving Point | Copy 1:1 | |
| 126 | WP2 & PF2 | VBKD | KDKG1 | Customer condition group 1 | S/4 HANA | VBKD | KDKG1 | Customer condition group 1 | Mapping | MAP_KDKGX |
| 127 | WP2 & PF2 | VBKD | KDKG2 | Customer condition group 2 | S/4 HANA | VBKD | KDKG2 | Customer condition group 2 | Mapping | MAP_KDKGX |
| 128 | WP2 & PF2 | VBKD | KDKG3 | Customer condition group 3 | S/4 HANA | VBKD | KDKG3 | Customer condition group 3 | Mapping | MAP_KDKGX |
| 129 | WP2 & PF2 | VBKD | KDKG4 | Customer condition group 4 | S/4 HANA | VBKD | KDKG4 | Customer condition group 4 | Mapping | MAP_KDKGX |
| 130 | WP2 & PF2 | VBKD | KDKG5 | Customer condition group 5 | S/4 HANA | VBKD | KDKG5 | Customer condition group 5 | Mapping | MAP_KDKGX |
| 131 | WP2 & PF2 | VBAP | VRKME | Sales Unit | S/4 HANA | VBAP | VRKME | Sales Unit | Mapping | MAP_MEINS |
| 132 | WP2 & PF2 | VBAP | FMENG | Quantity is fixed | S/4 HANA | VBAP | FMENG | Quantity is fixed | Copy 1:1 | |
| 133 | WP2 & PF2 | VBAP | UEBTK | Unlimited Overdelivery Allowed | S/4 HANA | VBAP | UEBTK | Unlimited Overdelivery Allowed | Copy 1:1 | |
| 134 | WP2 & PF2 | VBAP | UEBTO | Overdelivery Tolerance | S/4 HANA | VBAP | UEBTO | Overdelivery Tolerance | Copy 1:1 | |
| 135 | WP2 & PF2 | VBAP | UNTT0 | Underdelivery Tolerance | S/4 HANA | VBAP | UNTT0 | Underdelivery Tolerance | Copy 1:1 | |
| 136 | WP2 & PF2 | VBAP | SPART | Division | S/4 HANA | VBAP | SPART | Division | Default : 01 | |
| 137 | WP2 & PF2 | VBAP | UMVKZ | Numerator (factor) for conversion of sales quantity into SKU | S/4 HANA | VBAP | UMVKZ | Numerator (factor) for conversion of sales quantity into SKU | Copy 1:1 | |
| 138 | WP2 & PF2 | VBAP | UMVKN | Denominator (divisor) for conversion of sales Qty into SKU | S/4 HANA | VBAP | UMVKN | Denominator (divisor) for conversion of sales Qty into SKU | Copy 1:1 | |
| 139 | WP2 & PF2 | VBAP | BRGEW | Gross Weight of the Item | S/4 HANA | VBAP | BRGEW | Gross Weight of the Item | Copy 1:1 | |
| 140 | WP2 & PF2 | VBAP | NTGEW | Net Weight of the Item | S/4 HANA | VBAP | NTGEW | Net Weight of the Item | Copy 1:1 | |
| 141 | WP2 & PF2 | VBAP | GEWEI | Unit of Weight | S/4 HANA | VBAP | GEWEI | Unit of Weight | Copy 1:1 | |
| 142 | WP2 & PF2 | VBAP | VOLUM | Volume of the item | S/4 HANA | VBAP | VOLUM | Volume of the item | Copy 1:1 | |
| 143 | WP2 & PF2 | VBAP | VOLEH | Volume Unit | S/4 HANA | VBAP | VOLEH | Volume Unit | Copy 1:1 | |
| 144 | WP2 & PF2 | VBAP | LPRIO | Delivery Priority | S/4 HANA | VBAP | LPRIO | Delivery Priority | Mapping | MAP_LPRIO |
| 145 | WP2 & PF2 | VBAP | VSTEL | Shipping Point / Receiving Point | S/4 HANA | VBAP | VSTEL | Shipping Point / Receiving Point | Mapping | MAP_VSTEL |
| 146 | WP2 & PF2 | VBAP | ROUTE | Route | S/4 HANA | VBAP | ROUTE | Route | Mapping | MAP_ROUTE |

| | | | | | | | | | | |
|-----|-----------|------|------------|---|----------|------|------------|---|-------------|----------------|
| 147 | WP2 & PF2 | VBAP | TAXM1 | Tax Classification for Material | S/4 HANA | VBAP | TAXM1 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 148 | WP2 & PF2 | VBAP | TAXM2 | Tax Classification for Material | S/4 HANA | VBAP | TAXM2 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 149 | WP2 & PF2 | VBAP | TAXM3 | Tax Classification for Material | S/4 HANA | VBAP | TAXM3 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 150 | WP2 & PF2 | VBAP | TAXM4 | Tax Classification for Material | S/4 HANA | VBAP | TAXM4 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 151 | WP2 & PF2 | VBAP | TAXM5 | Tax Classification for Material | S/4 HANA | VBAP | TAXM5 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 152 | WP2 & PF2 | VBAP | TAXM6 | Tax Classification for Material | S/4 HANA | VBAP | TAXM6 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 153 | WP2 & PF2 | VBAP | TAXM7 | Tax Classification for Material | S/4 HANA | VBAP | TAXM7 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 154 | WP2 & PF2 | VBAP | TAXM8 | Tax Classification for Material | S/4 HANA | VBAP | TAXM8 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 155 | WP2 & PF2 | VBAP | TAXM9 | Tax Classification for Material | S/4 HANA | VBAP | TAXM9 | Tax Classification for Material | Mapping | MAP_TAXKM |
| 156 | WP2 & PF2 | VBAP | KONDM | Material Price Group | S/4 HANA | VBAP | KONDM | Material Price Group | Mapping | MAP_KONDM |
| 157 | WP2 & PF2 | VBAP | BWTAR | Valuation Type | S/4 HANA | VBAP | BWTAR | Valuation Type | Mapping | MAP_BWTAR |
| 158 | WP2 & PF2 | VBAP | FIXMG | Delivery Date and Quantity Fixed | S/4 HANA | VBAP | FIXMG | Delivery Date and Quantity Fixed | Copy 1:1 | |
| 159 | WP2 & PF2 | VBAP | BEDAE | Requirements type | S/4 HANA | VBAP | BEDAE | Requirements type | Mapping | MAP_BEDAE |
| 160 | WP2 & PF2 | VBAP | EXART | Business Transaction Type | S/4 HANA | VBAP | EXART | Business Transaction Type | Mapping | MAP_EXART |
| 161 | WP2 & PF2 | VBAP | MFRGR | Material Freight Group | S/4 HANA | VBAP | MFRGR | Material Freight Group | Mapping | MAP_MFRGR |
| 162 | WP2 & PF2 | VBAP | PMATN | Pricing Reference Material | S/4 HANA | VBAP | PMATN | Pricing Reference Material | Mapping | Material_XREF |
| 163 | WP2 & PF2 | VBAP | ANTLF | Maximum Number of Partial Deliveries Allowed Per Item | S/4 HANA | VBAP | ANTLF | Maximum Number of Partial Deliveries Allowed Per Item | Copy 1:1 | |
| 164 | WP2 & PF2 | VBAP | J_1BTAXLW1 | Tax law: ICMS | S/4 HANA | VBAP | J_1BTAXLW1 | Tax law: ICMS | Mapping | MAP_J_1BTAXLW1 |
| 165 | WP2 & PF2 | VBAP | J_1BTAXLW2 | Tax law: IPI | S/4 HANA | VBAP | J_1BTAXLW2 | Tax law: IPI | Mapping | MAP_J_1BTAXLW2 |
| 166 | WP2 & PF2 | VBAP | J_1BTXSDC | SD tax code | S/4 HANA | VBAP | J_1BTXSDC | SD tax code | Mapping | MAP_J_1BTXSDC |
| 167 | WP2 & PF2 | VBAP | KMPMG | Component Quantity | S/4 HANA | VBAP | KMPMG | Component Quantity | Copy 1:1 | |
| 168 | WP2 & PF2 | VBAP | WAERK | SD Document Currency | S/4 HANA | VBAP | WAERK | SD Document Currency | Copy 1:1 | |
| 169 | WP2 & PF2 | VBAP | PRCTR | Profit Center | S/4 HANA | VBAP | PRCTR | Profit Center | Mapping | MAP_PRCTR |
| 170 | WP2 & PF2 | VBKD | AKPRZ | Depreciation percentage for financial document processing | S/4 HANA | VBKD | AKPRZ | Depreciation percentage for financial document processing | Copy 1:1 | |
| 171 | WP2 & PF2 | VBAP | VBEL | Document Number of Reference Document | S/4 HANA | VBAP | VBEL | Document Number of Reference Document | Mapping | SO_XREF |
| 172 | WP2 & PF2 | VBAP | VGPOS | Item number of the reference item | S/4 HANA | VBAP | VGPOS | Item number of the reference item | Copy 1:1 | |
| 173 | WP2 & PF2 | VBAP | KDMAT | Customer Material | S/4 HANA | VBAP | KDMAT | Customer Material | Copy 1:1 | |
| 174 | | | | | S/4 HANA | VBKD | VSART | Shipping Type | Auto derive | |
| 175 | WP2 & PF2 | VBKD | SDABW | Special Processing Indicator | S/4 HANA | VBKD | SDABW | Special Processing Indicator | Mapping | MAP_SDABW |
| 176 | WP2 & PF2 | VBAP | J_1BCFOP | CFOP code and extension | S/4 HANA | VBAP | J_1BCFOP | CFOP code and extension | Mapping | MAP_J_1BCFOP |
| 177 | WP2 & PF2 | VBAP | MATWA | Material entered | S/4 HANA | VBAP | MATWA | Material entered | Mapping | Material_XREF |
| 178 | WP2 & PF2 | VBKD | J_1AFITP | Tax Type | S/4 HANA | VBKD | J_1AFITP | Tax Type | Mapping | MAP_1AFITP |
| 179 | WP2 & PF2 | VBKD | J_1ARFZ | Reason for Zero VAT | S/4 HANA | VBKD | J_1ARFZ | Reason for Zero VAT | Mapping | MAP_1ARFZ |
| 180 | WP2 & PF2 | VBAP | J_1BTAXLW4 | COFINS Tax Law | S/4 HANA | VBAP | J_1BTAXLW4 | COFINS Tax Law | Mapping | MAP_J_1BTAXLW4 |
| 181 | WP2 & PF2 | VBAP | J_1BTAXLW5 | PIS Tax Law | S/4 HANA | VBAP | J_1BTAXLW5 | PIS Tax Law | Mapping | MAP_J_1BTAXLW5 |
| | | | | Pricing Reference | | | | Pricing Reference | | |

| | | | | | | | | | | |
|--|-----------|------|-------------|--|----------|------|-------------|--|-------------|---|
| 182 | WP2 & PF2 | VBAP | PMATN | Material | S/4 HANA | VBAP | PMATN | Material | Mapping | Material_XREF |
| 183 | | | | | S/4 HANA | VBKD | INCO2_L | Incoterms Location 1 | Auto derive | |
| Partner | | | | | | | | | | |
| 184 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 185 | WP2 & PF2 | VBPA | PARVW | Partner Function | S/4 HANA | VBPA | PARVW | Partner Function | Mapping | MAP_PARVW |
| 186 | WP2 & PF2 | VBPA | KUNNR | Customer Number | S/4 HANA | VBPA | KUNNR | Customer Number | Mapping | Customer_XREF |
| 187 | WP2 & PF2 | ADRC | TITLE | Form of address | S/4 HANA | ADRC | TITLE | Form of address | Copy 1:1 | |
| 188 | WP2 & PF2 | ADRC | NAME1 | Name 1 | S/4 HANA | ADRC | NAME1 | Name 1 | Copy 1:1 | |
| 189 | WP2 & PF2 | ADRC | NAME2 | Name 2 | S/4 HANA | ADRC | NAME2 | Name 2 | Copy 1:1 | |
| 190 | WP2 & PF2 | ADRC | NAME3 | Name 3 | S/4 HANA | ADRC | NAME3 | Name 3 | Copy 1:1 | |
| 191 | WP2 & PF2 | ADRC | NAME4 | Name 4 | S/4 HANA | ADRC | NAME4 | Name 4 | Copy 1:1 | |
| 192 | WP2 & PF2 | ADRC | STREET | Street and House Number | S/4 HANA | ADRC | STREET | Street and House Number | Copy 1:1 | |
| 193 | WP2 & PF2 | VBPA | LAND1 | Country/Region Key | S/4 HANA | VBPA | LAND1 | Country/Region Key | Rule | If source VBPA-ADRDA = "E", THEN MAP_LAND1 |
| 194 | WP2 & PF2 | ADRC | COUNTRY | Country/Region Key in ISO Code | S/4 HANA | ADRC | COUNTRY | Country/Region Key in ISO Code | Rule | If source VBPA-ADRDA = "E", THEN MAP_LAND1 |
| 195 | WP2 & PF2 | ADRC | POST_COD E1 | Postal Code | S/4 HANA | ADRC | POST_CO DE1 | Postal Code | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 196 | WP2 & PF2 | ADRC | PO_BOX | P.O. Box Postal Code | S/4 HANA | ADRC | PO_BOX | P.O. Box Postal Code | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 197 | WP2 & PF2 | ADRC | PO_BOX_L OC | PO Box city | S/4 HANA | ADRC | PO_BOX_L OC | PO Box city | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 198 | WP2 & PF2 | ADRC | CITY1 | City | S/4 HANA | ADRC | CITY1 | City | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 199 | WP2 & PF2 | ADRC | CITY2 | District | S/4 HANA | ADRC | CITY2 | District | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 200 | WP2 & PF2 | ADRC | REGIO | Region (State, Province, County) | S/4 HANA | ADRC | REGIO | Region (State, Province, County) | Rule | If source VBPA-ADRDA = "E", THEN MAP_REGIO |
| 201 | WP2 & PF2 | ADRC | PO_BOX | PO Box | S/4 HANA | ADRC | PO_BOX | PO Box | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 202 | WP2 & PF2 | ADR2 | TELNR_LO NG | First telephone number | S/4 HANA | ADR2 | TELNR_LO NG | First telephone number | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 203 | WP2 & PF2 | ADR2 | TELNR_LO NG | Second telephone number | S/4 HANA | ADR2 | TELNR_LO NG | Second telephone number | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 204 | WP2 & PF2 | ADR3 | FAXNR_LO NG | Fax Number | S/4 HANA | ADR3 | FAXNR_LO NG | Fax Number | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 205 | WP2 & PF2 | ADRC | LANGU | Language Key | S/4 HANA | ADRC | LANGU | Language Key | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 206 | WP2 & PF2 | ADRC | LANGU | 2-Character SAP Language Code | S/4 HANA | ADRC | LANGU | 2-Character SAP Language Code | Rule | If source VBPA-ADRDA = "E", THEN Copy 1:1 |
| 207 | WP2 & PF2 | VBPA | ABLAD | Unloading Point | S/4 HANA | VBPA | ABLAD | Unloading Point | Copy 1:1 | |
| 208 | WP2 & PF2 | VBPA | LZONE | Transportation zone to or from which the goods are delivered | S/4 HANA | VBPA | LZONE | Transportation zone to or from which the goods are delivered | Copy 1:1 | |
| 209 | WP2 & PF2 | VBPA | STCEG | VAT Reg. No. | S/4 HANA | VBPA | STCEG | VAT Reg. No. | Copy 1:1 | |
| 210 | WP2 & PF2 | ADRC | TAXJURCO DE | Tax Jurisdiction | S/4 HANA | ADRC | TAXJURCO DE | Tax Jurisdiction | Copy 1:1 | |
| Schedule line | | | | | | | | | | |
| 211 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 212 | WP2 & PF2 | VBAP | POSNR | Sales Document Item | S/4 HANA | VBAP | POSNR | Sales Document Item | Copy 1:1 | |
| 213 | WP2 & PF2 | VBEP | ETENR | Schedule Line Number | S/4 HANA | VBEP | ETENR | Schedule Line Number | Copy 1:1 | |
| 214 | WP2 & PF2 | VBEP | EDATU | Schedule Line Date | S/4 HANA | VBEP | EDATU | Schedule Line Date | Copy 1:1 | |
| <p>Business Logic:</p> <p>Situation A: Delivery-Related Sales Order Item - Condition: VBEP-LFREL = 'X' (Delivery-related)</p> <ul style="list-style-type: none"> Calculation: Order Quantity: order_qty = VBAP-KWMENG Delivered Quantity: Sum of delivered quantity from delivery items (LIPS), mapped via VGBEL/VGPOS: WMENG = order_qty - delivered_qty <p>Situation B: Non-Delivery-Related Sales Order Item - Condition: VBEP-LFREL IS BLANK (Non-delivery-related)</p> <ul style="list-style-type: none"> Order Quantity: order_qty = VBAP-KWMENG | | | | | | | | | | |

| | | | | | | | | | | | |
|--------------------------|-----------|------|-------|--|----------|---------------|-------|--|----------|---|--|
| | | | | | | | | | | | <ul style="list-style-type: none"> Billed Quantity: Use the billed quantity as defined in your transformation rule 88 (which includes the correct pairing of sales order and billing document types). WMENG= order_qty - billed_qty <p>SQL Query to get delivered quantity</p> <pre> SELECT vbap.vbeln, -- Sales order number -- Sales order item vbap.posnr, -- Sales order item vbap.kwmeng AS order_qty, -- Order quantity COALESCE(del.delivered_qty, 0) AS delivered_qty, -- Delivered quantity (default 0 if none) vbap.kwmeng - COALESCE(del.delivered_qty, 0) AS open_qty -- Open quantity FROM vbap LEFT JOIN vbep ON vbep.vbeln = vbap.vbeln AND vbep.posnr = vbap.posnr LEFT JOIN (SELECT vgbel AS order_vbeln, vgpos AS order_posnr, SUM(Ifirmg) AS delivered_qty FROM ligs GROUP BY vgbel, vgpos) del ON del.order_vbeln = vbap.vbeln AND del.order_posnr = vbap.posnr WHERE vbep.ifrel = 'X' -- Only delivery-related items </pre> <p>Distribution rule to VBEP</p> <p>Distribute the open_qty according to legacy VBEP-BMENG, sort by legacy VBEP_EDATU the greatest to the lowest date.</p> <p>During sales order migration, the open_qty must be redistributed among the existing confirmed schedule lines quantity (VBEP-BMENG). The distribution shall follow a descending order of schedule line dates (VBEP-VDATU) — i.e., allocate to the latest (greatest) schedule date first, then progressively to earlier dates, until the total open quantity is fully distributed.</p> |
| 215 | WP2 & PF2 | N/A | N/A | | S/4 HANA | VBEP | WMENG | Order Quantity in Sales Units | Rule | | |
| 216 | WP2 & PF2 | VBEP | LIFSP | Schedule Line Blocked for Delivery | S/4 HANA | VBEP | LIFSP | Schedule Line Blocked for Delivery | Mapping | MAP_LIFSD | |
| 217 | WP2 & PF2 | VBEP | ETYP | Schedule Line Category | S/4 HANA | VBEP | ETYP | Schedule Line Category | Mapping | MAP_ETYP | |
| Header Conditions | | | | | | | | | | | |
| 218 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF | |
| 219 | WP2 & PF2 | KONV | KSCHL | Condition Type | S/4 HANA | PRCD_ELEMENTS | KSCHL | Condition Type | Mapping | MAP_KSCHL_A-V | |
| 220 | WP2 & PF2 | KONV | WAERS | Currency Key | S/4 HANA | PRCD_ELEMENTS | WAERS | Currency Key | Mapping | MAP_WAERS | |
| 221 | WP2 & PF2 | KONV | KPEIN | Condition Pricing Unit | S/4 HANA | PRCD_ELEMENTS | KPEIN | Condition Pricing Unit | Copy 1:1 | | |
| 222 | WP2 & PF2 | KONV | KDATU | Condition Pricing Date | S/4 HANA | PRCD_ELEMENTS | KDATU | Condition Pricing Date | Copy 1:1 | | |
| 223 | WP2 & PF2 | KONV | KKURS | Condition exchange rate for conversion to local currency | S/4 HANA | PRCD_ELEMENTS | KKURS | Condition exchange rate for conversion to local currency | Copy 1:1 | | |
| 224 | WP2 & PF2 | KONV | KWERT | Condition value | S/4 HANA | PRCD_ELEMENTS | KWERT | Condition value | Copy 1:1 | | |
| 225 | WP2 & PF2 | VBAK | WAERK | SD Document Currency | S/4 HANA | VBAK | WAERK | SD Document Currency | Mapping | MAP_WAERS | |
| Item Conditions | | | | | | | | | | | |
| 226 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF | |
| 227 | WP2 & PF2 | KONV | KPOSN | Condition item number | S/4 HANA | PRCD_ELEMENTS | KPOSN | Condition item number | Copy 1:1 | | |
| 228 | WP2 & PF2 | KONV | KSCHL | Condition Type | S/4 HANA | PRCD_ELEMENTS | KSCHL | Condition Type | Mapping | MAP_KSCHL_A-V | |
| 229 | WP2 & PF2 | KONV | WAERS | Currency Key | S/4 HANA | PRCD_ELEMENTS | WAERS | Currency Key | Mapping | MAP_WAERS | |
| 230 | WP2 & PF2 | KONV | KPEIN | Condition Pricing Unit | S/4 HANA | PRCD_ELEMENTS | KPEIN | Condition Pricing Unit | Copy 1:1 | | |
| 231 | WP2 & PF2 | KONV | KDATU | Condition Pricing Date | S/4 HANA | PRCD_ELEMENTS | KDATU | Condition Pricing Date | Copy 1:1 | | |
| | | | | Condition exchange rate | | | | Condition exchange rate | | | |

| | | | | | | | | | | |
|--------------------|-----------|------|-----------|----------------------------------|----------|---------------|-----------|----------------------------------|----------|---|
| 232 | WP2 & PF2 | KONV | KKURS | for conversion to local currency | S/4 HANA | PRCD_ELEMENTS | KKURS | for conversion to local currency | Copy 1:1 | |
| 233 | WP2 & PF2 | KONV | KWERT | Condition value | S/4 HANA | PRCD_ELEMENTS | KWERT | Condition value | Copy 1:1 | |
| 234 | WP2 & PF2 | KONV | WAERS | SD Document Currency | S/4 HANA | PRCD_ELEMENTS | WAERS | SD Document Currency | Mapping | MAP_WAERS |
| Header Text | | | | | | | | | | |
| 235 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 236 | WP2 & PF2 | VBAP | POSNR | Sales Document Item | S/4 HANA | VBAP | POSNR | Sales Document Item | Copy 1:1 | |
| 237 | WP2 & PF2 | STXH | TDID | Text ID | S/4 HANA | STXH | TDID | Text ID | Mapping | MAP_TDID |
| 238 | WP2 & PF2 | STXH | TDSPRAS | Language Key | S/4 HANA | STXH | TDSPRAS | Language Key | Copy 1:1 | |
| 239 | WP2 & PF2 | SRXL | READ_TEXT | Text Line | S/4 HANA | SRXL | READ_TEXT | Text Line | Copy 1:1 | |
| Item Text | | | | | | | | | | |
| 240 | WP2 & PF2 | VBAK | VBELN | Sales Document | S/4 HANA | VBAK | VBELN | Sales Document | Copy 1:1 | The value in the load file of this field is from source system, once it is loaded, the SO number will not be same in the target S4. The mapping will be provided in SO_XREF |
| 241 | WP2 & PF2 | VBAP | POSNR | Sales Document Item | S/4 HANA | VBAP | POSNR | Sales Document Item | Copy 1:1 | |
| 242 | WP2 & PF2 | STXH | TDID | Text ID | S/4 HANA | STXH | TDID | Text ID | Mapping | MAP_TDID |
| 243 | WP2 & PF2 | STXH | TDSPRAS | Language Key | S/4 HANA | STXH | TDSPRAS | Language Key | Copy 1:1 | |
| 244 | WP2 & PF2 | SRXL | READ_TEXT | Text Line | S/4 HANA | SRXL | READ_TEXT | Text Line | Copy 1:1 | |

Transformation Mapping

| Mapping Table Name | Mapping Table Description |
|--------------------|----------------------------------|
| MAP_VKORG | Sales Organization |
| MAP_VTWEG | Distribution Channel |
| MAP_SPART | Division |
| MAP_VKBUR | Sales Office |
| MAP_VKGRP | Sales Group |
| MAP_FAKSK | Sales Document Billing Block |
| MAP_AUGRU | Order Reason |
| MAP_ZTERM | Payment terms |
| MAP_PS_PSP_PNR | WBS Element Number |
| MAP_TDID | Text ID |
| MAP_MEINS | Unit of Measure |
| MAP_WERKS | Plant |
| MAP_LGORT | Storage Location |
| MAP_PSTYV | Sales Document Item Category |
| MAP_PARVW | Partner function |
| MAP_AUART | Sales Document Type |
| MAP_BSARK | Customer Purchase Order Type |
| MAP_KONDA | Customer Price Group |
| MAP_KDGRP | Customer Group |
| MAP_BZIRK | Sales District |
| MAP_PLTYP | Price List Type |
| MAP_INCO1 | Incoterms (Part 1) |
| MAP_LIFSK | Delivery Block (Document Header) |

| | |
|----------------|---|
| MAP_KVGR1 | Customer Group 1 |
| MAP_KVGR2 | Customer Group 2 |
| MAP_KVGR3 | Customer Group 3 |
| MAP_KVGR4 | Customer Group 4 |
| MAP_KVGR5 | Customer Group 5 |
| MAP_VSBED | Shipping Conditions |
| SO_XREF | Sales Order XREF |
| MAP_TAXKD | Tax Classification for Customer |
| MAP_PERFK | Invoice Dates (Calendar Identification) |
| MAP_ZLSCH | Payment Method |
| MAP_KTGRD | Account Assignment Group for Customer |
| MAP_ABSSC | Payment Guarantee Procedure |
| MAP_KDKGX | Customer condition group |
| MAP_LAND1 | Country Key |
| MAP_SDABW | Special Processing Indicator |
| MAP_MVGR1 | Material Group 1 |
| MAP_MVGR2 | Material Group 2 |
| MAP_MVGR3 | Material Group 3 |
| MAP_MVGR4 | Material Group 4 |
| MAP_MVGR5 | Material Group 5 |
| MAP_PRODH | Product Hierarchy |
| MAP_MATKL | Material Group |
| MAP_LPRI0 | Delivery Priority |
| MAP_VSTEL | Shipping Point / Receiving Point |
| MAP_ROUTE | Route |
| MAP_TAXKM | Tax Classification for Material |
| MAP_KONDM | Material Price Group |
| MAP_BWTAR | Valuation Type |
| MAP_BEDAE | Requirements type |
| MAP_EXART | Business Transaction Type |
| MAP_MFRGR | Material Freight Group |
| Material_XREF | Material XREF |
| MAP_1AFITP | Tax Type |
| MAP_1ARFZ | Reason for Zero VAT |
| MAP_J_1BTAXLW1 | Tax law: ICMS |
| MAP_J_1BTAXLW2 | Tax law: IPI |
| MAP_J_1BTXSDC | SD tax code |
| MAP_PRCTR | Profit Centre |
| MAP_J_1BCFOP | CFOP code and extension |
| MAP_J_1BTAXLW4 | COFINS Tax Law |
| MAP_J_1BTAXLW5 | PIS Tax Law |

| | |
|---------------|--|
| Customer_XREF | Customer Number |
| MAP_LZONE | Transportation zone to or from which the goods are delivered |
| MAP_LIFSD | Schedule Line Blocked for Delivery |
| MAP_ETTYP | Schedule Line Category |
| MAP_KSCHL_A-V | Condition Type |
| MAP_WAERS | Currency |

Transformation Dependencies

List the steps that need to occur before transformation can commence

| Item # | Step Description | Team Responsible |
|--------|---|------------------|
| 1 | Source Data Integrity - Ensure extracted data is complete, accurate, and consistent. - Validate that data types and formats align with transformation requirements. | Syniti |
| 2 | Referential Integrity - Ensure dependent records are transformed together or in advance | Syniti |
| 3 | Transformation Logic and Mapping - Define data mapping rules between source and target schemas. | Data Team |
| 4 | Performance and Scalability Considerations - Optimize transformation processes for large datasets. - Ensure system resources can handle transformation workloads | Syniti |
| 5 | 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 |
|-----------------------------------|---|
| Validate mandatory and key fields | <p>Mandatory field check. Based on S/4HANA target design fields, sales order type configuration, item category determination and schedule line category.</p> <ul style="list-style-type: none"> Check if records have all mandatory fields filled and mapped (e.g. Sales Document Type, Sales Organization, Distribution Channel, Division, Sold-to Party, Ship-to Party, Material, Quantity, Requested Delivery Date, Pricing Conditions, etc.). Records missing any mandatory fields must be flagged as error. <p>Check Business Partners Master Data</p> <ul style="list-style-type: none"> Verify that Sold-to Party, Ship-to Party, Bill-to Party, and Payer exist as Business Partners in S/4HANA (tables: BUT000, KNA1, KNVV). Ensure the BP is extended to the required Sales Organization, Distribution Channel, and Division. Check BP deletion flags: KNVV-LOEVM (Deletion flag for sales area data) must not be set. <p>Check Material Master Data</p> <ul style="list-style-type: none"> Confirm that Material Numbers exist in S/4HANA Material Master (MARA, MVKE and MARC). Validate that materials are extended to relevant Sales Org and Distribution Channel. Check that the material is not flagged for deletion (MARA-LVORM must not be set). <p>Check Sales Order Item Consistency</p> <ul style="list-style-type: none"> Validate item category and schedule line category are mapped accordingly Ensure quantity fields are populated and non-zero. Check schedule lines have valid requested delivery dates. <p>Check Currency and Pricing Data</p> <ul style="list-style-type: none"> Validate pricing conditions are correctly mapped and exist in condition master data. |

| | |
|----------------------|---|
| | <ul style="list-style-type: none"> • Check currency fields: Sales Order currency and pricing currency must be populated and valid (against TCURC / currency customizing). • Ensure that net values and tax amounts are correctly calculated and populated. |
| Reconciliation check | <p>Record Count</p> <ul style="list-style-type: none"> • Check that the total number of open sales order records in the load file matches the source system. • The record count will be reconciled on a group basis. The grouping fields are: <ul style="list-style-type: none"> ◦ Sales Organization ◦ Sales Document Type ◦ Sold-to Party ◦ Sales Document Number • Any mismatch in record count between source and load file must be flagged for investigation. <p>Check Amount in Document Currency and Local Currency</p> <ul style="list-style-type: none"> • Sum the total Net Value (Document Currency) for Sales Orders in the load file and compare with the total from the source system. • Sum the Tax (Document Currency) for Sales Orders in the load file and compare with the total from the source system. • Any difference in sum between source and load file must be flagged as an error. <p>Check Total Quantity</p> <ul style="list-style-type: none"> • Sum the ordered quantity matching with open quantities in the source system. • If there is a UOM changes, the quantity must be converted with the correct conversion rate. • Compare aggregated quantities per Material and Sales Organization to ensure data consistency. • Any mismatches must be flagged for investigation. |

Accuracy

| Task | Action |
|-----------------------------|---|
| Validate the transformation | Make sure all fields with transformation are populated with S/4 HANA values according to the mapping file. |
| Check Data Consistency | <ol style="list-style-type: none"> Sold-to Party <ul style="list-style-type: none"> • Verify that the Sold-to Party (Customer Number) in the pre-load file matches the corresponding value in the legacy system. • Validate customer master mapping if applicable. Ship-to Party <ul style="list-style-type: none"> • Verify that the Ship-to Party in the pre-load file matches the corresponding value in the legacy system. • Validate partner function assignments if applicable. Customer PO Date <ul style="list-style-type: none"> • Verify that the Customer Purchase Order Date (VBAK-BSTDK) matches between legacy system and pre-load file. Pricing <ul style="list-style-type: none"> • Validate that key pricing condition values (e.g. base price, discounts, surcharges) are consistent between legacy system and pre-load file. • Compare condition type values (e.g. KONV-KBETR) where feasible. Number of Line Items <ul style="list-style-type: none"> • Verify that the total number of open line items per sales order matches between legacy system and pre-load file. Open Quantities <ul style="list-style-type: none"> • Validate that open quantities (Ordered Quantity minus Delivered Quantity) match between legacy system and pre-load file. |
| | |

Business

Completeness

| Task | Action |
|------|--------|
| | |

| | |
|------------------|---|
| Conversion check | <p>In legacy system, execute report Open Sales Orders List (e.g. via transaction code VA05 or equivalent custom report).</p> <p>Group the output of the report by Sales Organization and Sold-to Party using the subtotal function and compare the count in this report against the Open Sales Orders count in the pre-load file.</p> <p>The record count for Open Sales Orders may also be done at a more granular level. The recommended granular level or subtotal fields can consist of:</p> <ul style="list-style-type: none"> • Sales Organization • Sales Document Type • Sold-to Party • Material Number <p>If any of the count is different, raise a defect and flag the relevant record as error.</p> |
| | |
| | |

Accuracy

| Task | Action |
|-----------------------------|---|
| Key fields check | <p>Perform the following checks on a selected sample of open sales orders:</p> <ol style="list-style-type: none"> 1. Total Net Value Check <ul style="list-style-type: none"> • Compare the total Net Value (VBAK-NETWR) per Sales Organization and Sold-to Party between legacy system and pre-load file. The Net Value should be migrated proportionally according to the open order quantities. 2. Total Tax Amount Check <ul style="list-style-type: none"> • Compare the total Tax Amount (if applicable, e.g. from pricing conditions or summarized tax amount) between legacy system and pre-load file. 3. Material Number and Open Quantity Check <ul style="list-style-type: none"> • For each Sales Order Item (VBAP): <ul style="list-style-type: none"> ◦ Verify that Material Numbers match between legacy system and pre-load file. ◦ Verify that Open Quantities (Ordered Quantity minus Delivered Quantity) are accurate. |
| Validate the transformation | Make sure all fields with transformation are populated with S/4 HANA values according to the mapping file. |
| | |

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 | <p>Load Scope Definition</p> <ul style="list-style-type: none"> - Identify the target system and database structure. - Define data objects (tables, fields, records) to be loaded. - Establish business rules for data validation. | Data team |
| 2 | <p>Load Methodology</p> <ul style="list-style-type: none"> - Specify the loading tools and technologies (Migration Cockpit, LSMW, custom loading program). | Syniti |
| 3 | <p>Data Quality and Validation</p> <ul style="list-style-type: none"> - Ensure data integrity checks (null values, duplicates, format validation). - Perform pre-load validations to verify completeness. - Define error handling mechanisms for load failures | Syniti |
| 4 | <p>Load Execution Plan</p> <ul style="list-style-type: none"> - Establish execution timelines and batch processing schedules. - Assign responsibilities for monitoring execution. | Syniti |

| | | |
|---|--|--------|
| | - Document dependencies on other migration tasks | |
| 5 | 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

Open Sales Orders will be loaded in the **pre-cutover** or **cutover** phase, depending on business cut-off.

Configuration

| Item # | Configuration Item |
|--------|----------------------------------|
| 1 | Order type |
| 2 | Item categories |
| 3 | Schedule lines categories |
| 4 | Pricing procedure |
| 5 | Number range settings for orders |

Conversion Objects

| Object # | Preceding Object Conversion Approach |
|----------|---|
| 1034 | Sales Pricing Conditions |
| 1036 | Customer Material Information Records(CMIR) |
| 1042 | TM - Transportation Lanes |
| 1046 | Classes Type: 023 (Batch) |
| 1047 | Batch Characteristics of Class Type: 023 |
| 1048 | Batch Master |
| 1051 | TM - Locations |
| 1052 | TM - Transportation Zones |
| 1053 | TM - Default Routes |
| 1058 | Batch Classification Data |
| 1062 | Batch Search Strategy |
| 1134 | Output determination for application V1/V3 |
| 1135 | Z tables (variant table) |
| 2001 | Material Listing and Exclusions |
| 2002 | Material Substitution |
| 2003 | Materials - Sales view with sales long text |
| 2005 | Materials - MRP view (4 views) |
| 2011 | Materials - WM Execution (EWM) |
| 2012 | Materials - Accounting 1 |
| 2013 | Materials - Costing 1 |
| 2014 | Materials - Accounting 2 |
| 2015 | Materials - Costing 2 |

| | |
|------|---|
| 2019 | Materials - Basic View |
| 2027 | Materials - Foreign Trade Views |
| 3003 | Business Partners - Customer (Sales and Service) - FLCU01 |
| 3007 | Business Partners - General (Role 000000) |
| 3010 | Business Partners - Relationship for contact person |
| 3011 | Business Partners - Contact Persons (BUP001) |
| 3017 | Business Partners - FI Customer (FLCU00) |
| 3019 | Business Partners - Credit Management (UKM000) |
| 3022 | Business Partners - Collection Management (UDM000) |
| 3027 | Business Partners - Plants/Intercompany Suppliers |
| 3039 | Business Partners - GTS Master |
| 3040 | Business Partners - Treasury |
| 9011 | Stock Balance |

Error Handling

| Error Type | Error Description | Action Taken |
|-------------------------------------|--|--|
| Configuration / Data Transformation | The value XXX for field XXX doesn't exist | <ol style="list-style-type: none"> 1. Check the mapping/conversion is done properly in the loading file 2. Validate the target value is configured/transported in the target system 3. Reach out to function team to validate the configuration |
| Configuration | There is mandatory field XXX missing | <ol style="list-style-type: none"> 1. Validate MDS if the fields are set as mandatory 2. Validate if there is value in the pre-loading file 3. Validate if the configuration for the mandatory fields are done properly |
| Obsolete Master Data | Customer or material master data no longer exists in target system | Replaced or removed based on business input |

Post-Load Validation

Project Team

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

Completeness

| Task | Action |
|-----------------------|--|
| Validate Record count | <p>Total number of records loaded for Open Sales Orders will be generated in the post-load reports in the tool based on the target tables and fields mentioned in section target design.</p> <p>The reconciliation needs to be executed on the total number of 'valid' records and amounts per Sales Organization in the source compared to total number of records and amounts in S/4HANA.</p> <p>Record Count</p> <ul style="list-style-type: none"> • Check that the total record count of Open Sales Orders in the pre-load file matches the number of records loaded into S/4HANA. • The record count will be validated on a group basis. The recommended grouping fields are: <ul style="list-style-type: none"> ◦ Sales Organization ◦ Sold-to Party ◦ Sales Document Type • Any mismatch in record count between pre-load file and S/4HANA must be flagged for investigation. |

| | |
|--|---|
| | <p>Check Amount in Document Currency and Local Currency</p> <ul style="list-style-type: none"> At the line item level, sum the Net Value amounts in both Document Currency and Local Currency from the pre-load file and compare to the values posted in S/4HANA. Any mismatches in totals must be flagged as errors for investigation. |
| | |
| | |

Accuracy

| Task | Action |
|---------------------|--|
| Validate Key Fields | <ol style="list-style-type: none"> Post-load reports will have the same structure as the Open Sales Order load file, with additional columns as required to support post-load validation. Utilize the migration tool to generate a Post-Load Report that displays S/4HANA loaded records alongside the corresponding legacy system values. This side-by-side comparison will enable a 100% field-level validation of all key fields in the shortest possible time. Key fields for comparison include (but are not limited to): <ol style="list-style-type: none"> Sales Document Number Sales Document Type Sales Organization Sold-to Party Ship-to Party Customer PO Number and PO Date Material Number Ordered Quantity and Open Quantity Pricing values (Net Value, Tax, Conditions) Document Currency and Local Currency amounts Any mismatches identified will be captured in the Post Load - Error Report for further investigation and resolution. |

Business

Post-load validation is a critical step in data migration, ensuring that transferred data is accurate, complete, and functional within the target system.

1. Ensuring Data Integrity

After migration, data must be consistent with its original structure. Post-load validation checks for missing records, incorrect mappings, and formatting errors to prevent discrepancies.

2. Business Continuity

Faulty data can disrupt operations, leading to financial losses and inefficiencies. Validating post-load data ensures that applications function as expected, preventing downtime.

3. Error Detection and Resolution

By validating data post-migration, businesses can detect anomalies early, reducing the cost and effort required for corrections

Completeness

| Task | Action |
|---------------------------------|---|
| Review Loaded Condition Records | Access the S/4HANA system (via transactions like VA05 or custom reports) to view loaded sales order |
| | |
| | |

Accuracy

| Task | Action |
|-----------------|--|
| Display Records | Pick up few random sales document number numbers, display with Tcode VA03 and validate the details |
| | |
| | |

Key Assumptions

- Adapting S4 cross instances direct delivery solutions, where a plant from a different S4 instance can be entered in the Sales Order.
- Adapting S4 cross instances inter-company Purchase Order solution. The subsequent Sales Order will be automatically created even though it's in a separate instance.
- Credit / Debit memo request and return order can be created without preceding reference document in S4.

See also

Change log

| Version | Published | Changed By | Comment |
|------------------------|---------------------------|---------------------------|--|
| CURRENT (v. 87) | May 06, 2026 12:28 | LEW-ext, Chun Ming | Update MAP table JIRA 1781 |
| v. 86 | May 04, 2026 05:58 | LEW-ext, Chun Ming | IHREZ_E (2) |
| v. 85 | May 04, 2026 05:57 | LEW-ext, Chun Ming | Update heaader IHREZ_E logic |
| v. 84 | Apr 20, 2026 06:39 | LEW-ext, Chun Ming | Update VTWEG logic to derive from Sales Org country |
| v. 83 | Apr 14, 2026 12:45 | LEW-ext, Chun Ming | Update report 9065-010 to not applicable |
| v. 82 | Apr 02, 2026 17:33 | LEW-ext, Chun Ming | |
| v. 81 | Apr 02, 2026 16:36 | LEW-ext, Chun Ming | Update EQART to not used |
| v. 80 | Apr 01, 2026 19:04 | LEW-ext, Chun Ming | fine tune rule 215 |
| v. 79 | Apr 01, 2026 18:01 | LEW-ext, Chun Ming | Fine tune rule 88 |
| v. 78 | Mar 30, 2026 08:06 | LEW-ext, Chun Ming | Update transformation rule 88 to consider VBRK-VBTYP |

[Go to Page History](#)

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 Apr 02, 2026 to May 06, 2026 | Actor | Type | Activity | Version |
|-----------------------------------|---|-------|--|---------|
| Approved |  LEW-ext, Chun Ming | Edit | updated the page at 4:36 pm | |
| |  TAMRAKAR-ext, Pooja | State | changed state to Approved at 4:19 pm | v82 |
| Revision under Review |  TAMRAKAR-ext, Pooja | State | gave <i>Minor change</i> approval at 4:19 pm | |

Apr 01, 2026



LEW-ext, Chun Ming

Edit

updated the page at 6:01 pm

Mar 30, 2026



LEW-ext, Chun Ming

State

changed state to **Revision under Review** at 10:13 am

v78
