


# CNV-1070 Fixed Assets (incl. Sub Assets)

Status	
Owner	Maytingsari Tjahjo
Stakeholders	NG-ext, Bernard PARA-ext, Anil GARCIA-ext, Angel Luis GONCHIGARU-ext, Ashok PILLAY-ext, Lawrence

## Purpose

The purpose of this document is to define the conversion approach to migrate asset master (main and sub-asset) from legacy systems to S/4HANA. All sub-assets (with sub number 1,2,3, etc) will be migrated as main asset with sub number 0.

There are 2 group go-live as below:

- Group 1 go-live (1 July 2028) (System PF2)
- Group 2 go-live (1 Jan 2029) (System WP2)

Note: There is possibility to shift into 1 go live date, this option is currently still being considered.

This document consists of links to other documents that support conversion process such as Master Data Standard for Fixed Asset master. [DD-FUN-050 Master Data Standard\\_1070-Fixed Assets \(incl. Sub Assets\) - Google Sheets](#)

Asset master consists of information of Fixed Assets Register including:

- General information such as asset description, asset class, account determination, capitalization date, etc. (Table ANLA)
- Time Dependent data – Assignment of related data by validity period (such as cost center, plant, location, etc.) (Table ANLZ)
- Depreciation terms data - Depreciation keys, useful life and depreciation areas. (Table ANLB)
- Asset main no. text (Table ANLH)

## Conversion Scope

The scope of this document covers the approach for converting active assets (main and sub-asset) from legacy Source Systems (PF2 and WP2) into S/4HANA following the Fixed Asset MDS (Master Data Standard).

As per Global Process Design for S/4HANA:

- The creation of additional sub-assets is not permitted; therefore, all sub-assets (with sub number 1,2,3, etc) will be migrated as main asset with sub number 0
- Group Asset will not be used. Therefore, tax depreciation area information of the group asset (i.e. Depreciation Key, Useful life (Year and Period), and Ordinary Depreciation Start Date) need to be assigned into all underlying active individual asset's tax depreciation areas in S4/HANA. Note: Company code 5955 (India) is the only company code that have Group assets.

Logic to determine the underlying assets under Group Asset:

1. Table ANLB, specify group asset that is not equal to blank in company code 5955. Result: List of underlying assets (active and non-active) for each group asset.
2. Table ANLA, list down the underlying assets from rule 2 and filter only the active assets (i.e. deactivation date is blank)
3. Table ANLB, specify group assets number into field ANLN1 and company code 5955 to get the tax depreciation area information of the group asset (i.e. Depreciation Key, Useful life (Year and Period), and Ordinary Depreciation Start Date)
4. Assign the tax depreciation area information of the group asset (Source: area 15) (i.e. Depreciation Key, Useful life (Year and Period), and Ordinary Depreciation Start Date) into the corresponding underlying active asset's target tax depreciation area from Step 2.

**Relevancy rule:**

**The data from legacy system includes:**

- Main and sub assets with all rules below to be met:
  - Company code is in scope (Enterprise Structure Catalog - Google Sheets, worksheet "10. Company Code") AND
  - Non-AuC (Asset under Construction) AND
  - Non-RoU (Right-of-Use) asset AND
  - Non-Asset Shares AND
  - Deactivation date (ANLA-DEAKT) is blank or deactivation date in current year for mid-year migration scenarios only (Deactivation date in current year is only applicable for Group 1 Go-live (1 July 2028) and not applicable for Group 2 Go live (1 Jan 2029)) AND
  - Indicator Asset is a group asset (ANLA-XANLGR) is NOT "X" AND
  - One of the 2 following criteria must be met:
    - Posted with values in one of the depreciation areas (Check if there is value in ANLC-KANSW in one of depreciation areas). Please refer to [R2R Mapping table List.xlsx - Google Sheets](#) OR

- Unposted in all depreciation areas (No value in ANLC-KANSW in all depreciation areas) and appeared in the settlement rules of CAPEX Projects (The asset number is shown in COBRB-KONTY=FXA and COBRB-PERBZ = FUL)

**The data from legacy system excludes:**

- Assets under construction (AUC). Please refer to file [R2R Mapping table List.xlsx - Google Sheets](#), worksheet "AUC Classes")
- RoU (Right-of-Use) Assets. Please refer to file [R2R Mapping table List.xlsx - Google Sheets](#), worksheet "RoU Classes")
- Assets under asset class Shares (Shares will no longer be managed via FI-AA in S/4). Please refer to file [R2R Mapping table List.xlsx - Google Sheets](#), worksheet "Share Asset Class". Note: The share balance that is currently stored in fixed asset (ECC) must become part of the GL balance loads (S4/HANA).

List of source systems and approximate number of records:

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	Relevant fixed asset master records extracted from the source system and transformed according to the target data into a pre-load report.	140.300	S/4HANA	140.300
WP2	Relevant fixed asset master records extracted from the source system and transformed according to the target data into a pre-load report.	143.098	S/4HANA	143.098

## Additional Information

### Multi-language Requirement

It was decided to apply approach below:

- Field "Description Line1" (ANLA-TXT50) = Migrate as it is from legacy system to S/4HANA (The description could be any languages (not only the 4 core languages but also any other non-core languages)).
- Field "Description Line2" (ANLA-TXA50) = Migrate as it is from legacy system to S/4HANA. In PF2 and WP2, the field "Description Line 2" is used to add information on the description of the asset when the Line 1 is not enough.
- Field "Asset main no.text" (ANLH-ANLHTXT) must be in English

### Document Management

N/A

### Legal Requirement

N/A

### Special Requirements

Due to compliance requirement, there will be 3 SAP instances as below:

- SAP instance for Rest of the World (ROW)
- SAP instance for China
- SAP instance for CUI

Fixed Asset master data will be migrated to respective SAP instances based on the company codes. Please refer to column "Company Code" and "Instance" in [Enterprise Structure Catalog - Google Sheets](#) (worksheet 10. Company code),

## Target Design

The technical design of the target for this conversion approach:

Table	Field	Data Element	Field Description	Data Type	Length	Requirement for Data Migration
ANLA	BUKRS	BUKRS	Company Code	CHAR	4	Mandatory
ANLA	ANLN1	ANLN1	Main Asset number	CHAR	12	System generated number and mandatory
ANLA	ANLN2	ANLN2	Asset sub-number	CHAR	4	System generated number and mandatory
ANLA	ANLKL	ANLKL	Asset Class	CHAR	8	Mandatory

ANLA	ZUJHR	DZUJAHR	Fiscal year in which first acquisition was posted	NUMC	4	Optional
ANLA	ZUPER	DZUPER	Period in which first acquisition was posted	NUMC	3	Optional
ANLA	ZUGDT	DZUGDAT	Asset value date of the first posting	DATS	8	Optional
ANLA	AKTIV	AKTIVD	Asset capitalization date	DATS	8	Optional
ANLA	DEAKT	DEAKT	Deactivation on	DATS	8	Optional
ANLA	ORD41	ORD41	Evaluation group 1	CHAR	4	Optional
ANLA	ORD42	ORD42	Evaluation group 2	CHAR	4	Optional
ANLA	ORD43	ORD43	Evaluation group 3	CHAR	4	Optional
ANLA	ORD44	ORD44	Evaluation group 4	CHAR	4	Optional
ANLA	LIFNR	LIFNR	Account number of vendor (other key word)	CHAR	10	Optional
ANLA	HERST	HERST	Manufacturer of asset	CHAR	30	Conditional
ANLA	VMGLI	VMGLI	Property Classification Key	CHAR	4	Conditional
ANLA	AIBN1	AIBN1	Original asset number or Original Group Asset number	CHAR	12	Mandatory
ANLA	AIBN2	AIBN2	Original Sub-Asset	CHAR	4	Mandatory
ANLA	AIBDT	AIBDT	Original Acquisition Date of AuC/ Transferred Asset	DATS	8	Optional
ANLA	MENGE	AM_MENGE	Quantity	QUAN	13	Optional
ANLA	MEINS	MEINS	Base unit of measure	UNIT	3	Conditional
ANLA	INKEN	INKEN	Include asset in inventory list	CHAR	1	Mandatory
ANLA	IVDAT	IVDAT_ANLA	Last Inventory on	DATS	8	Optional
ANLA	INVZU	INVZU_ANLA	Inventory Note	CHAR	15	Optional
ANLA	INVNR	INVNR_ANLA	Inventory Number	CHAR	25	Conditional
ANLA	VBUND	RASSC	Company ID of Trading Partner	CHAR	6	Conditional
ANLA	TXT50	TXA50_ANLT	Asset description	CHAR	50	Mandatory
ANLA	TXA50	TXA50_MORE	Additional asset description	CHAR	50	Conditional
ANLA	GDLGRP	GDLGRP	Evaluation group 5	CHAR	8	Conditional
ANLA	SERNR	AM_SERNR	Serial number	CHAR	18	Conditional
ANLA	UMWKZ	AM_UMWKZ	Reason for Environmental Investment	CHAR	5	Conditional
ANLB	AFABE	AFABE_D	Depreciation area	NUMC	2	Mandatory
ANLB	AFABG	AFABG	Depreciation Start date	DATS	8	Optional
ANLB	AFASL	AFASL	Depreciation Key	CHAR	4	Mandatory
ANLB	NDJAR	NDJAR	Useful Life	NUMC	3	Optional
ANLB	NDPER	NDPER	Useful Life (Period)	NUMC	4	Optional
ANLB	SCHRW	SCHRW	Asset scrap value	CURR	13 with 2 decimals	Conditional
ANLB	SCHRW_PROZ	SCHRW_PROZ	Scrap value %	DEC	14	Conditional
ANLB	ANLGR	ANLGR	Group asset	CHAR	12	Not used
ANLZ	KOSTL	KOSTL	Cost Centre	CHAR	10	Mandatory
ANLZ	PRCTR	PRCTR	Profit Centre	CHAR	10	System generated
ANLZ	WERKS	WERKS_D	Plant	CHAR	4	Mandatory
ANLZ	STORT	STORT	Location	CHAR	10	Optional
ANLZ	RAUMN	RAUMNR	Room	CHAR	8	Optional
ANLZ	KFZKZ	AM_KFZKZ	License Plate No. of Vehicle	CHAR	15	Optional
ANLH	ANLHTXT	ANLHTXT	Asset main no. text	CHAR	50	Mandatory
ANLZ	XSTIL	XSTIL	Asset shutdown indicator	CHAR	1	Optional

Below is the Migration Cockpit Template for Fixed Asset (Master Data and Balance):

# Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output
1	C2 (Data can be loaded into SAP but not Business Ready)	<p>Report "Unposted asset without any linked object"</p> <p><b>Action item:</b></p> <p>Business to review this list and take necessary action accordingly.</p>	<p>Rule 1: Company codes must be in scope.</p> <p>Rule 2: Asset class is not Asset under Construction class and is not RoU asset class and is not asset class Shares</p> <p>Rule 3: Has Deactivation date = BLANK</p> <p>Rule 4: Has Creation date &gt; 12 months ago from extraction date.</p> <p>Rule 5a: Has capitalization date = BLANK or</p> <p>Rule 5b: Has capitalization date populated but no entry is found in ANLC (Asset Value Fields) table for the asset in all depreciation areas.</p> <p>Rule 6: Does not appear in the settlement rule of any relevant cost objects.</p>	<p>Region</p> <p>Country</p> <p>Company code</p> <p>Asset number</p> <p>Asset Sub-Number</p> <p>Asset Class</p> <p>Description</p> <p>Deactivation date</p> <p>GL Account</p> <p>Capitalization date</p> <p>Current NBV</p> <p>WBS/IO</p>

2	C2 (Data can be loaded into SAP but not Business Ready)	<p>Any assets with an inventory date less than 5 years ago should be checked and potentially retired as part of the data cleansing exercise.</p> <p>The field "Last Inventory on" date can be used for data cleansing prior to migration to identify aged assets that may no longer exist but haven't been written off.</p> <p><b>Action item:</b></p> <p>Business to review and retire obsolete Fixed Asset</p> <p>Report for Assets (Main and Sub-assets) with "Last Inventory on Date" as <b>Blank or less than 5 years ago.</b></p> <p>Cleansing report is created for businesses to do cleansing on a regular basis.</p> <p>As the physical count date will always be 31 Oct, cleansing report will be created to list down assets that have an inventory date less than 1 Nov 2023 for PF2 and 1 Nov 2024 for WP2</p> <p>For PF2: Any assets with an inventory date less than 1 Nov 2023 should be checked and potentially retired as part of the data cleansing exercise</p> <p>For WP2: Any assets with an inventory date less than 1 Nov 2024 should be checked and potentially retired as part of the data cleansing exercise</p>	<p>Rule 1: Company must be in scope</p> <p>Rule 2: Asset class is not Asset under Construction and is not RoU asset and is not asset class Shares</p> <p>Rule 3: Has Deactivation date = BLANK.</p> <p>Rule 4: Has Last Inventory on Date = BLANK or less than 1 Nov 2023 for PF2 and 1 Nov 2024 for WP2</p>	<p>Region</p> <p>Country</p> <p>Company code</p> <p>Asset number</p> <p>Sub-Number</p> <p>Description</p> <p>Asset Class</p> <p>Last Inventory on</p> <p>Inventory Note</p> <p>Cost Centre</p> <p>Profit center</p> <p>Capitalization Date</p>
3	C1 (Data cannot be loaded to SAP)	<p>Report "Fixed Assets with negative net book value in real depreciation areas and relevant for S/4HANA migration"</p> <p><b>Action item:</b></p> <ul style="list-style-type: none"> <li>Business must review these assets whether to retire the assets or transferred to an asset with a positive amount linked to the same project</li> </ul>	<p>Rule 1: Company codes must be in scope.</p> <p>Rule 2: Asset class is not Asset under Construction and is not RoU asset and is not asset class Shares</p> <p>Rule 3: Has Deactivation date = blank or current year</p> <p>Rule 4: Table ANLC is showing negative NBV in real depreciation area</p>	<p>Region</p> <p>Country</p> <p>Company code</p> <p>Asset number</p> <p>Asset Sub-Number</p> <p>Asset Class</p> <p>Description</p> <p>Deactivation date</p> <p>Depreciation area</p> <p>Current NBV for real depreciation areas</p>
4	C2 (Data can be loaded)	<p>A soft link is required between equipment and Fixed Assets for capital spare parts. For Fixed Assets which represent capital spare parts, the ones that are in use in the plant will be linked to an equipment.</p> <p>For to-be design, we will not have dedicated asset class for "Capital Spares"</p>	<p>Extract Table ANLA to list</p>	<p>Region</p> <p>Country</p>

into SAP but not Business Ready)

As part of cleansing activities, Business must identify manually by assigning "Capital Spares" into field "Asset Super Number" in asset master which represent "Capital Spares", after that for these assets:

- Business must assign the Equipment number into field "Inventory number" in ECC.
- Serial Number:
  - a. For all assets except capital spares, copy from legacy
  - b. For capital spares, the serial number must be assigned manually into column "S/4 Serial Number" in XREF table below. Below are the steps in sequence:

1. Load material master with standard material type for capital spares
2. Post Good Receipts then serial number is generated automatically (Fixed asset master must not be created)

3. Business to fill in XREF table

ZDEPLOY	ZDATASOURCE	ZDATATARGET	ZLEGACYBUKRS	ZLEGACYANLN1	ZLEGACYANLN2	S/4 SERIAL NUMBER
R4	PF2/WP2					

R2R

Mapping table List.xlsx - Google Sheets (worksheet "Serial Number")

4. Load all Fixed Asset masters (capital spares and non-capital spares)

Note: A2D team does not need to assign Fixed Asset number into Equipment master.

down the assets in scope for this object 1070 so business can identify manually which assets that represent capital spare parts or not.

Company code  
Asset number  
Asset Sub-Number  
Asset Class  
Description  
Inventory Number  
Asset Super Number

Rule 1: Company codes must be in scope.

Rule 2: Asset class is not Asset under Construction and is not RoU asset and is not asset class Shares

Rule 3: Has Deactivation date = BLANK or current year.

5

C2 (Data can be loaded into SAP but not Business Ready)

Extract the asset description of field ANLA-TXT50 and ANLA-TXA50 for business to translate it into English

Action item:

- Business to translate asset description into English.

Rule 1: Company codes must be in scope.

Rule 2: Asset class is not Asset under Construction and is not RoU asset and is not asset class Shares

Rule 3: Has Deactivation date = BLANK or current year.

Region  
Country  
Company code  
Asset number  
Asset Sub-Number  
Asset Class  
Description  
Asset Main Number Text

6

C1 (Data cannot be loaded to SAP)

Scrap values must not be used for the S/4HANA leading corporate (IFRS) depreciation areas (i.e. depreciation areas 01-04 and 99)

Note:

99 is a technical depreciation area, wouldn't have a depreciation area equivalent in ECC.

Rule 1: Company codes must be in scope.

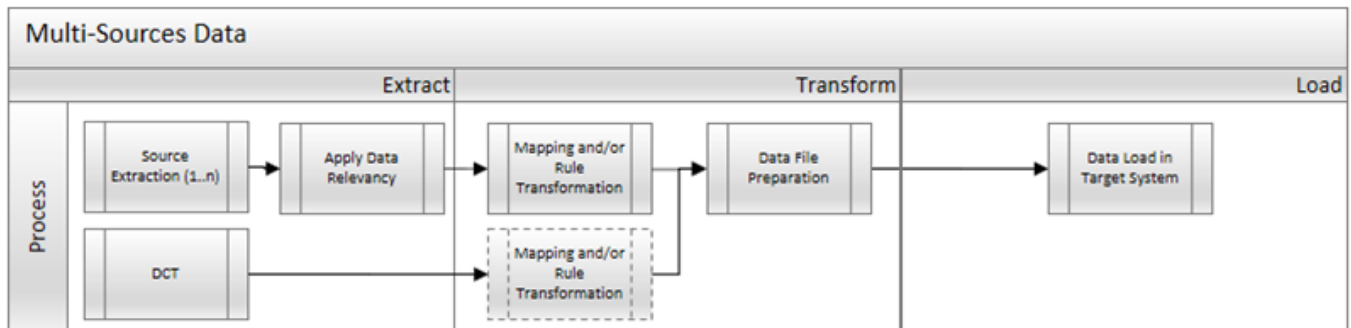
Region  
Country  
Company code

	<p>02 and 03 are newly introduced and wouldn't have an equivalent in ECC</p> <p>For legacy assets, scrap values shall be adopted unless they are related to corporate (IFRS) depreciation areas.</p> <p>Action item:</p> <ul style="list-style-type: none"> <li>Business to cleanse assets that have scrap value in legacy depreciation area mapped to depreciation area 01 in S/4.</li> </ul> <p>Note:</p> <p>Depreciation area 50 (PF2) must be mapped to area 01 (S/4).</p> <p>Depreciation area 01 (WP2) must be mapped to area 01 (S/4).</p>	<p>Rule 2: Asset class is not Asset under Construction and is not RoU asset and is not asset class Shares</p> <p>Rule 3: Has Deactivation date = BLANK or current year.</p> <p>Rule 4: Legacy depreciation area 50 (PF2) and 01 (WP2) is mapped to S/4 depreciation area 01</p>	<p>Asset number</p> <p>Asset Sub-Number</p> <p>Asset Class</p> <p>Description</p> <p>Asset Main Number Text</p> <p>Scrap value in legacy depreciation area 50 (PF2) and 01 (WP2)</p>
--	---	---	--

## Conversion Process

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

Note: DCT is not required for this object 1070. DCT is shown in table below, for reference only, just in case in the future data migration, DCT is required.



Process	Activity
<b>Extract</b>	<p>Extract involves collecting data from the source.</p> <p>If the source is a system, Extract means to pull the required data from source systems into repository using ADMM. There are 2 steps for this method:</p> <ol style="list-style-type: none"> <li>Perform full data extraction from relevant asset tables in the source system(s).</li> <li>Apply Relevancy criteria for filtering the data that will be applicable according to Target Design.</li> </ol>
<b>Transform</b>	<p>There are 2 steps of Transform activities that can happen in ADMM:</p>

	<ol style="list-style-type: none"> <li>1. Perform mapping and data transformation rules. Some data will need to be mapped to the to-be values and/or updated according to the rules as per design requirement in target system.</li> <li>2. Prepare load-ready data in the structure and format that is required for loading via standard Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation.</li> </ol>
<b>Load</b>	<p>This process includes:</p> <ol style="list-style-type: none"> <li>1. Execute the automated data load into target system using load tool. Note: There may be some cases where the load is done manually as part of business activities. If there is any, the load steps will be specified in section "Load Run Sheet"</li> <li>2. Once the data is loaded to target system, it will be extracted out and prepared for Post Load Data Validation.</li> </ol>

Delta Data Management

Any main assets created in the legacy systems (PF2 and WP2) after the full extraction for Mock conversion will be re-extracted again from legacy systems (PF2 and WP2) for each mock or cutover rehearsals.

As data cleansing is performed in PF2 and WP2 to meet SYWAY design standard, each extraction will re-transform extracted data with on-going new unmapped legacy values discovered and mapped.

**Data Privacy and Sensitivity**

N/A

**Extraction**

The asset master data records shall be extracted from SAP ECC and migrated using the Syniti Migrate.

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 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. **This is not applicable for this object 1070**

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.	Extract all main assets from ANLA table in PF2 and WP2.	Syniti team
2.	Apply Asset Relevancy criteria on the extracted records.	Syniti team
3.	Extract Time Dependent Data of asset master records in Req#2 above from ANLZ table in PF2 and WP2.	Syniti team
4.	Extract Depreciation Terms Data of the asset master in Req#2 from ANLB table in PF2 and WP2.	Syniti team
5.	Extract Asset Main Number Text of asset master records in Req#2 above from ANLH table in PF2 and WP2.	Syniti team
6.	Extract Insurance Data of asset master records in Req#2 above from ANLV table in PF2 and WP2.	Syniti team

**Selection Screen**

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

**Data Collection Template (DCT)**

N/A

**Extraction Dependencies**

Item #	Step Description	Team Responsible
1.	Data cleansing of legacy main assets in the source system to adhere to target design is completed.	Business
2.	Data cleansing of legacy assets where assets that are no longer physically exist will be assessed for retirement is accomplished	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 to make the data Target ready:

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

## Transformation Run Sheet

Item #	Step Description	Team Responsible
1.	Ensure all the fields that require value mapping, as stipulated in Section "Mapping tables", have the latest signed-off mapping files imported into Syniti Migrate.	Data team
2.	Go to Process Area Launch and Process the Object – Fixed Asset	Data team
3.	Launch the Objects to execute transformation.	Data team
4.	Perform transformation main assets and sub numbers extracted from PF2 and WP2 where target values will be derived from mapping tables.	Data team
5.	Generate Pre-Load reports in Syniti Migrate.	Data team
6.	Generate data load count in Syniti Migrate.	Data team
7.	Log errors as defects, if any and address resolutions. Close defects.	Data team
8.	Re-transform and re-validate the Pre-load reports if necessary.	Data team
9.	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
10.	Analyze and resolve any pre-load defects logged by business.	Data team

## Transformation Rules

List of all fields in the Target table field to be populated with values according to the Fixed Asset Master Data Standard to facilitate loading into target system.

### Business rule in S4/HANA:

All asset sub numbers will be migrated as a regular asset number. System validation is created to prevent the use of sub-assets in S/4HANA.

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1.	PF2 and WP2	ANLA	BUKRS	Company Code	S/4HANA	ANLA	BUKRS	Company Code	Value Mapping. Map from source to target by using company code mapping Must be valid company code in company code configuratio
2.	PF2 and WP2	ANLA	ANLN1	Asset number	S/4HANA	ANLA	ANLN1	Asset number	System generated number.
3.	PF2 and WP2	ANLA	ANLN2	Asset sub-number	S/4HANA	ANLA	ANLN2	Asset sub-number	System generated number. The system automatically assigns sub-asset number 0 by c /child assets is not permitted in the global process designs

									Note: All sub-assets (with sub number 1,2,3, etc) will be migrated
4.	PF2 and WP2	ANLA	ANLKL	Asset Class	S/4HANA	ANLA	ANLKL	Asset Class	Value Mapping. Map from source to target via Asset Class mapping table. Must be valid in asset class configuration (Table ANKA (As
5.	PF2 and WP2	ANLA	ZUJHR	Fiscal year in which first acquisition was posted	S/4HANA	ANLA	ZUJHR	Fiscal year in which first acquisition was posted	Copy from legacy. For migrated assets, the values from the legacy system should be used. Note: This field is not listed in LTMC template
6.	PF2 and WP2	ANLA	ZUPER	Period in which first acquisition was posted	S/4HANA	ANLA	ZUPER	Period in which first acquisition was posted	Copy from legacy For migrated assets, the values from the legacy system should be used. Note: This field is not listed in LTMC template
7.	PF2 and WP2	ANLA	ZUGDT	Asset value date of the first posting	S/4HANA	ANLA	ZUGDT	Asset value date of the first posting	Copy from legacy. For migrated assets, the values from the legacy system should be used. Note: This field is not listed in LTMC template
8.	PF2 and WP2	ANLA	AKTIV	Capitalization date	S/4HANA	ANLA	AKTIV	Capitalization date	Copy from legacy. For migrated assets, the values from the legacy system should be used.
9.	PF2 and WP2	ANLA	DEAKT	Deactivation Date	S/4HANA	ANLA	DEAKT	Deactivation Date	Copy from legacy. Assets that are deactivated in the current year will be migrated to go live. Group 1 go live date is 1 July 2028 Group 2 go live date is 1 Jan 2029 For migrated assets retired in the fiscal year of a mid-year migration, the deactivation date should be the end of the fiscal year.
10.	PF2 and WP2	ANLA	ORD41	Evaluation group 1	S/4HANA	ANLA	ORD41	Evaluation group 1	Value mapping. Map from source to target system via Evaluation Group 1 in configuration (Table ANKA) Must be valid in Evaluation group 1 in configuration (Table ANKA)
11.	PF2 and WP2	ANLA	ORD42	Evaluation group 2	S/4HANA	ANLA	ORD42	Evaluation group 2	Value mapping. Map from source to target system via Evaluation Group 2 in configuration (Table ANKA) Must be valid in Evaluation group 2 in configuration (Table ANKA)
12.	PF2 and WP2	ANLA	ORD43	Evaluation group 3	S/4HANA	ANLA	ORD43	Evaluation group 3	Value mapping. Map from source to target system via Evaluation Group 3 in configuration (Table ANKA) Must be valid in Evaluation group 3 in configuration (Table ANKA)
13.	PF2 and WP2	ANLA	ORD44	Evaluation group 4	S/4HANA	ANLA	ORD44	Evaluation group 4	Value mapping. Map from source to target system via Evaluation Group 4 in configuration (Table ANKA) Must be valid in Evaluation group 4 in configuration (Table ANKA)
14.	PF2 and WP2	ANLA	LIFNR	Account number of vendor (other key word)	S/4HANA	ANLA	LIFNR	Account number of vendor (other key word)	Value mapping. It will be migrated based on a mapping table of Vendor, price and account number.
15.	PF2 and WP2	ANLA	HERST	Manufacturer of asset	S/4HANA	ANLA	HERST	Manufacturer of asset	Rule. This field is only required for assets that have value in field "Manufacturer of asset". This field shall be used to capture additional free-text information of an asset's origin is a crucial piece of information. E.g. for migrated assets from legacy systems, this field will be populated together with trading partner information if the asset's trading partner relates to an affiliated entity that no longer exists. Logic: 1.Filter assets that value in field "Trading Partner" in ECC. 2.If the entity doesn't exist in trading partner mapping, concatenate (Original asset number) and ANLA-AIBN2 (Original Sub-Asset) and stored it into this field ANLA-HERST. 3.If the entity exists in trading partner mapping, concatenate (Original Sub-Asset) and stored it into this field ANLA-HERST.
16.	PF2 and WP2	ANLA	VMGLI	Property Classification Key	S/4HANA	ANLA	VMGLI	Property Classification Key	Value mapping. Map from source to target system via Property Classification Key mapping table. The property classification key is required in some countries. This is only required in some countries as per localization requirements.
17.		ANLA	ANLN1	Asset Number	S/4HANA	ANLA	AIBN1		Copy from legacy. This is a cross-field copying.

	PF2 and WP2							Original asset number	Populate this field with the legacy PF2 and WP2 main asset number
18.	PF2 and WP2	ANLA	ANLN2	Asset Sub-Number	S/4HANA	ANLA	AIBN2	Original Sub-Asset	Copy from legacy. This is a cross-field copying.  Populate this field with the legacy PF2 and WP2 asset sub-asset number
19.	PF2 and WP2	ANLA	AIBDT	Original Acquisition Date of AuC/ Transferred Asset	S/4HANA	ANLA	AIBDT	Original Acquisition Date of AuC/ Transferred Asset	Copy from legacy
20.	PF2 and WP2	ANLA	MENGE	Quantity	S/4HANA	ANLA	MENGE	Quantity	Copy from legacy.  Quantities captured in the legacy systems shall be retained
21.	PF2 and WP2	ANLA	MEINS	Base unit of measure	S/4HANA	ANLA	MEINS	Base unit of measure	Value mapping.  Must be populated if Quantity is populated  The unit of measure shall be set to 'EA' to facilitate quantity - Intangible Assets  For assets of type 'Land and Building' an alternate unit of measure shall be used  Map from source to target via unit of measure mapping table
22.	PF2 and WP2	ANLA	INKEN	Include asset in inventory list	S/4HANA	ANLA	INKEN	Include asset in inventory list	Defaulted to "X"  All tangible and intangible Fixed Assets may be subjected to standard reports specifically designed for the physical inventory
23.	PF2 and WP2	ANLA	IVDAT	Last Inventory On	S/4HANA	ANLA	IVDAT	Last Inventory On	Copy from legacy.  The date from the legacy systems shall be adopted.  It captures the date of the last asset sighting as part of the inventory
24.	PF2 and WP2	ANLA	INVZU	Inventory Note	S/4HANA	ANLA	INVZU	Inventory Note	Copy from legacy.  This field will be migrated as it is. This will be updated with which captures the user ID of the person who last confirmed process.
25.	PF2 and WP2	ANLA	INVNR	Inventory Number	S/4HANA	ANLA	INVNR	Inventory Number	<ul style="list-style-type: none"> <li>For all assets except capital spares, copy from legacy</li> <li>For capital spares, the new equipment number from "Inventory number" in S/4 Asset master. (Rule and Value)</li> </ul> <p>Note:</p> <p>For capital spares, the sequence steps are described as below:</p> <ol style="list-style-type: none"> <li>As part of cleansing activities, business must identify material master that represent "Capital Spares"</li> <li>As part of cleansing activities, business must assign the material master in ECC. (In some cases, they don't have equipment master, at least one equipment master will be created in S/4 so we would maintain)</li> <li>Load object 1002 (equipment master)</li> <li>Load object 1070 (Fixed Asset master) where field "Inventory Number" between old equipment number/Functional Location (ECC)</li> </ol>
26.	PF2 and WP2	ANLA	VBUND	Trading Partner	S/4HANA	ANLA	VBUND	Trading Partner	Value mapping <ul style="list-style-type: none"> <li>If the entity exists as a trading partner in S/4, it will be copied</li> <li>if the entity doesn't exist as a trading partner in S/4, it will be created</li> </ul>
27.	PF2 and WP2	ANLA	TXT50	Asset description	S/4HANA	ANLA	TXT50	Description 1	Copy from legacy
28.	PF2 and WP2	ANLA	TXA50	Additional asset description	S/4HANA	ANLA	TXA50	Description 2	Copy from legacy  This field is only required if a meaningful description of the asset is provided in field ANLT-TXT50 due to field length constraints.
29.	PF2 and WP2	ANLA	GDLGRP	Evaluation group 5	S/4HANA	ANLA	GDLGRP	Evaluation group 5	Value mapping.  Map from source to target system via Evaluation Group 5 mapping table  Must be valid in Evaluation group 5 in configuration (Tables)
30.	PF2 and WP2	ANLA	SERNR	Serial number	S/4HANA	ANLA	SERNR	Serial number	<ul style="list-style-type: none"> <li>For all assets except capital spares, copy from legacy</li> <li>For capital spares, the serial number of material master in Fixed Asset master.</li> </ul> <p>As part of cleansing activities, Business must identify material master which represent "Capital Spares", after that for these material masters, the serial number shall be generated in S/4 Serial Number" in XREF table below.</p> <p>Below are the steps in sequence:</p> <ol style="list-style-type: none"> <li>Load material master with standard material type for</li> <li>Post Good Receipts then serial number is generated</li> <li>Business to fill in XREF table</li> </ol>

									ZDEPLOY	ZDATASOURCE	ZDATATARGET	ZLEGA
									R4	PF2/WP2		
									R2R Mapping table List.xlsx - Google Sheets (worksheet "4. Load all Fixed Asset masters (capital spares and non-c			
31	PF2 and WP2	ANLA	UMWKZ	Reason for Environmental Investment	S/4HANA	ANLA	UMWKZ	Reason for Environmental Investment	Value mapping.			
									Map from source to target via Reason for Environmental In			
32.	PF2 and WP2	ANLB	AFABE	Depreciation area	S/4HANA	ANLB	AFABE	Depreciation area	Value mapping.			
									Map from source to target via Depreciation area mapping t			
33	PF2 and WP2	ANLB	AFABG	Depreciation Start date	S/4HANA	ANLB	AFABG	Depreciation Start date	Copy from legacy			
									Note:			
									Please refer to logic to determine the underlying assets un			
34.	PF2 and WP2	ANLB	AFASL	Depreciation Key	S/4HANA	ANLB	AFASL	Depreciation Key	Value mapping.			
									It will be migrated based on a mapping table of depreciatio			
									Note:			
									Please refer to logic to determine the underlying assets un			
35.	PF2 and WP2	ANLB	NDJAR	Useful Life (Year)	S/4HANA	ANLB	NDJAR	Useful Life	Copy from legacy			
									Note:			
									Please refer to logic to determine the underlying assets un			
36.	PF2 and WP2	ANLB	NDPER	Useful Life (Period)	S/4HANA	ANLB	NDPER	Useful Life (Period)	Copy from legacy			
									Note:			
									Please refer to logic to determine the underlying assets un			
37.	PF2 and WP2	ANLB	SCHRW	Asset scrap value	S/4HANA	ANLB	SCHRW	Asset scrap value	Rule and copy from legacy.			
									Scrap value shall be adopted unless they are related to cor			
									porate (IFRS) S/4 depreciation areas (areas 01-04 and			
38.	PF2 and WP2	ANLB	SCHRW_P ROZ	Scrap value %	S/4HANA	ANLB	SCHRW_P ROZ	Scrap value %	Rule and copy from legacy.			
									Scrap value percentages shall be adopted unless they are			
									be used for the leading corporate (IFRS) S/4 depreciation			
39.	PF2 and WP2	ANLZ	KOSTL	Cost Centre	S/4HANA	ANLZ	KOSTL	Cost Centre	Value mapping.			
									Map from source (latest validity date) to target via Cost Cer			
40.					S/4HANA	ANLZ	PRCTR	Profit Centre	System generated.			
									The profit center is derived from the cost center maintained			
									asset master.			
									The reason why this field is shown in asset master because			
									available if this feature is on. With this feature switched on,			
									able to report Fixed Asset registers by profit center going fr			
41.	PF2 and WP2	ANLZ	WERKS	Plant	S/4HANA	ANLZ	WERKS	Plant	Value mapping.			
									Map from source (latest validity date) to target via Plant ma			
									Must be valid in plant assigned to the company code config			
									Plant is a mandatory reporting attribute maintained in the F			
									determination processes.			
42.	PF2 and WP2	ANLZ	STORT	Asset location	S/4HANA	ANLZ	STORT	Asset location	Value mapping.			
									Map from source (latest validity date) to target via Location			
									Must be valid Location (T499S-STAND) assigned to plant			
43.	PF2 and WP2	ANLZ	RAUMN	Room	S/4HANA	ANLZ	RAUMN	Room	Copy value from source (latest validity date) to target syste			
44.	PF2 and WP2	ANLZ	KFZKZ	License Plate No. of Vehicle	S/4HANA	ANLZ	KFZKZ	License Plate No. of Vehicle	Copy value from source (latest validity date) to target syste			
49.	PF2 and WP2	ANLH	ANLHTXT	Asset main no. text	S/4HANA	ANLH	ANLHTXT	Asset main no. text	Copy from legacy.			
									For migrated assets, this field shall be used to capture the			
50.	PF2 and WP2	ANLZ	XSTIL	Shutdown indicator	S/4HANA	ANLZ	XSTIL	Shutdown indicator	Copy value from source (latest validity date) to target syste			

List of Custom Target Reports for this object is maintained here: [Conversion Specification - Custom Reports Register](#).

## Transformation Mapping

List of mapping tables where the legacy values will have to be transformed to SyWay values.

Mapping Table Name	Mapping Table Description
Company code	Mapping of legacy company code to SyWay company code
Asset Class	Mapping of legacy asset Class to SyWay asset class
Unit of measure	Mapping of legacy unit of measure to SyWay unit of measure
Cost center	Mapping of legacy cost centre to SyWay cost centre
Profit center	Mapping of legacy profit centre to SyWay profit centre
Plant	Mapping of legacy plant code to SyWay plant code
Location	Mapping of legacy location to SyWay location
Evaluation group 1	Mapping of legacy EG1 to SyWay EG1
Evaluation group 2	Mapping of legacy EG2 to SyWay EG2
Evaluation group 3	Mapping of legacy EG3 to SyWay EG3
Evaluation group 4	Mapping of legacy EG4 to SyWay EG4
Depreciation area	Mapping of legacy depreciation areas to SyWay depreciation areas
Depreciation key	Mapping of legacy depreciation key to SyWay depreciation key
Property Classification Key	Mapping of legacy Property Classification Key to SyWay Property Classification Key
Trading Partner	Mapping of legacy Trading Partner to SyWay Trading Partner
Equipment number	Mapping of legacy Equipment number to SyWay Equipment number
Functional Location	Mapping of legacy Functional Location to SyWay Equipment number
Evaluation Group 5	Mapping of legacy Evaluation Group 5 to SyWay Evaluation Group 5
Reason for Environmental Investment	Mapping of legacy Reason for Environmental Investment to SyWay Reason for Environmental Investment

## Transformation Dependencies

List the steps that need to occur before transformation can commence

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

## Pre-Load Validation

### Project Team

### Completeness

Task	Action
<b>Generation of Pre-load reports</b>	<p>Pre-load reports will have same structure as of load file with additional columns/attributes if required by business to facilitate validations.</p> <p><u>Main Assets:</u></p> <p>There will be 2 Pre-load reports generated:</p> <ol style="list-style-type: none"> <li>1. Asset Master Main data (General, Time-dependent, Allocations)</li> <li>2. Asset Depreciation terms data (Depreciation areas, Useful life by Depreciation area and Depreciation Keys)</li> </ol>

<b>Reconciliation of record count</b>	<p><u>Main Assets</u></p> <p>Total number of main Assets in the extract is compared against total number of main assets in the legacy system.</p> <p>Less:</p> <ol style="list-style-type: none"> <li>1. All main assets under company codes not in scope.</li> <li>2. Total number of AUCs in the legacy systems</li> <li>3. Total number of RoU assets in the legacy systems</li> <li>4. Total number of Asset Shares in the legacy systems</li> <li>5. Non-Relevant records (Deactivated assets in the previous years, Main assets dropped via Relevancy criteria - refer to Conversion Scope).</li> <li>6. Other constraints/errors.</li> </ol> <p>Total Number of Records to load:</p> <ol style="list-style-type: none"> <li>1. Asset Master main data</li> <li>2. Asset Depreciation terms data: Total number of records for main assets multiply by the number of depreciation areas defined in the Chart of Depreciation.</li> </ol>
---------------------------------------	---

## Accuracy

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

## Business

### Completeness

Task	Action
<b>Verify record count in Pre-load reports by region</b>	<p>In legacy system, execute Asset Balances report (S_ALR_87011963 – Asset Balances - by Asset Number) and ensure "Current book value" is selected to obtain a list of active posted assets to be migrated for the companies in scope for each region.</p> <p>Compare the count in this report and assets populated in DCT against the count of main assets to be loaded in Pre-load.</p>
<b>Verify Relevancy rules applied</b>	<p>In Legacy system, execute Unposted Asset report (S_ALR_87012056 - Directory of Unposted Assets) to retrieve the list of unposted assets with deactivation date = Blank. These assets should not appear in the Pre-load report.</p> <p>Leverage the List of Unposted Assets relevant for migration in ADMM for any unposted asset flagged as relevant for migration as the asset fulfils the Relevancy criteria. (Section "Conversion Scope").</p>

## Accuracy

Task	Action
<b>Conversion accuracy</b>	<p>Verify all main assets are transformed accurately as per endorsed transformation/mapping rules.</p> <p>Review List of Error reports in ADMM for any mismatch or missing transformed values.</p>

# Load

Data Loading will be done using the migration cockpit object and format of which is attached here:



[Source data for Fixed asset \(incl. balances and transactions\).xlsx](#)

The load process includes:

1. Execute the automated data load into target system using load tool or product the load file if the load must be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

## Load Run Sheet

Item #	Step Description	Team Responsible
1.	Ensure the load tools are transported into the correct ADMM instance.	Data team
2.	Ensure Pre-load signoffs are obtained.	Data team
3.	Load fixed assets	
4.	Generate the post load reports in ADMM.	Data team
5.	Log errors as defects, if any and address resolutions. Close defects.	Data team
6.	Resolve defects via data update or upload and re-generate post load reports if necessary.	Data team
7.	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Data team
8.	Repeat steps 4 to 6 if necessary.	Data team

## Load Phase and Dependencies

Pre Cutover is the phase as to when the load for this object will occur.

## Configuration

Item #	Configuration Item
1.	Company code-related configuration (Chart of Depreciation per country, Plant, Location, Asset Class, Depreciation areas, Depreciation keys, Asset Number Range Interval).
2.	Asset Data Transfer Configuration <ul style="list-style-type: none"><li>· Transfer date – Last day of the month prior to go-live</li></ul>

- Legacy Data Transfer Status = In Preparation
- Document type 9A

## Conversion Objects

Object #	Preceding Object Conversion Approach
1073	Profit Centre
1074	Cost Centre
1002	Equipment
	Material Master

## Error Handling

Error Type	Error Description	Action Taken
<b>Invalid Data</b>	Relevant cost center is not valid in the validity of time dependent data in the Asset master to be loaded.	Check whether the validity of time dependent data in cost center needs to be changed.

## Post-Load Validation

### Project Team

### Completeness

Task	Action
<b>Reconciliation of Total Record Count</b>	<p>Total number of records loaded for (Main Assets, Depreciation terms) will be generated in the Post-load reports in ADMM.</p> <p><u>Main Assets</u></p> <p>Total no. of Main assets in the Post Load report is compared against total number of main assets in the pre-load reports by region.</p> <p>Less: Any errors during load.</p>
<b>Mandatory fields check</b>	<p>Review the post load file and note the records that failed the mandatory fields check. Below are the mandatory fields:</p> <ul style="list-style-type: none"> <li>· Company Code</li> <li>· Asset Class</li> <li>· Asset Description</li> <li>· Asset Main Number Text</li> <li>· Cost Centre</li> <li>· Profit Centre</li> </ul> <p><u>Depreciation terms</u></p> <ul style="list-style-type: none"> <li>· Depreciation Key</li> <li>· Useful Life Year (except for keys *000) and Period (except for keys *0000)</li> </ul>

### Accuracy

--	--

Task	Action
<b>Check values in key fields for accuracy</b>	<p>Post-load reports will have the same structure as the load file and some additional columns as required to facilitate the post load validation.</p> <p>Leverage on ADMM to create a Post load report that reports S/4 HANA loaded records along with the legacy values side-by-side to allow for 100% check of all these fields in the shortest possible time.</p> <p><u>Main Assets:</u></p> <p>There will be 2 post load reports generated in ADMM for key fields comparison:</p> <ol style="list-style-type: none"> <li>1. Asset Master data (General, Time-dependent, Allocations)</li> <li>2. Asset Depreciation terms data (Depreciation areas, Useful life and Depreciation Keys by Depreciation area)</li> </ol> <p>Any mismatch will be reported under the Post Load – Error report.</p>

## Business

### Completeness

Task	Action
<b>Record Count Check</b>	Review the record count report from the Data Team and ensure it is correct by cross-checking with the record count confirmed during Pre-load Business Validations.

### Accuracy

Task	Action
<b>Check accuracy of field values</b>	Based on the field checks report from the Data Team, conduct a sample check to prove accuracy of the values in S/4 HANA against the source (Pre-load report or PF2 and WP2 system). Suggested sample size is 1 per company code, per asset class.

## Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Fixed Asset is in scope based on data design and any exception requested by business.
- Asset Master cleansing task is completed.
- All assets flagged for deletion must be deactivated (i.e. populate the deactivation date field).

## See also

## Change log

Version	Published	Changed By	Comment
<b>CURRENT (v. 115)</b>	<b>Apr 07, 2026 12:05</b>	<b>GOTTIPATI-ext, Madhu</b>	
v. 114	Apr 02, 2026 11:58	GOTTIPATI-ext, Madhu	
v. 113	Apr 02, 2026 11:55	GOTTIPATI-ext, Madhu	
v. 112	Feb 27, 2026 09:51	GOTTIPATI-ext, Madhu	
v. 111	Feb 26, 2026 11:23	GOTTIPATI-ext, Madhu	
v. 110	Jan 26, 2026 12:58	GOTTIPATI-ext, Madhu	
v. 109	Jan 26, 2026 12:57	GOTTIPATI-ext, Madhu	

---

v. 108	Jan 26, 2026 12:53	<a href="#">GOTTIPATI-ext, Madhu</a>
v. 107	Dec 09, 2025 12:43	<a href="#">PILLAY-ext, Lawrence</a>
v. 106	Nov 26, 2025 11:24	<a href="#">TJAHJO-ext, Maytingsari</a>

---

[Go to Page History](#)

## Workflow history

Title	Last Updated By	Updated	Status
-------	--------------------	---------	--------

There are no pages at the moment.

---