CNV-9108 Right of Use (ROU)

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Purpose

The purpose of this document outlines the conversion process for Right of Use (ROU) assets Master and Transactional data in SyWay S/4 HANA. The ROU Assets migration will move both the master and transactional data in a single step and there will be only one SAP standard template that will be utilized for both Master and Transactional data migrations. Syniti ADMM tool organises the execution of data extraction, transformation & mapping, loading and data quality (ETL).

ROU Asset master primarily contains of the following information:

- General information: Asset description, asset class, account determination, capitalization date etc.
- Time Dependent data: Cost Center, Plant, Location etc.,
- Depreciation terms data: Depreciation keys, Useful life and Depreciation areas

Note: This conversion specification will only include to ROU assets that were created from underlying RE-FX contracts from object 1076. All other fixed assets (non ROU) will be managed using objects 1070, 9022 and 9028.

Conversion Scope

The scope of this document is to define a data upload approach for active ROU Assets from legacy systems into S/4HANA.

Relevancy rule:

The data from legacy system includes:

- Company code is in scope
- All active ROU Assets

The data from legacy system excludes:

- All non-ROU assets

Relevancy rule for Extraction: The following relevancy criteria to be considered for extracting active ROU Assets from both WP2 and PF2. **Note:** PI2 does not have ROU Assets

- Step-1: Go to table ANLA and filter based on company code (BUKRS) that are in scope and asset class (ANLKL) that are relevant to ROU. E nsure that that deactivation date (DEAKT) is blank.
- Step-2: Based on the result from step-1, go to table ANLZ (Time dependent terms). Filter the details based on company code (BUKRS), asset number (ANLN1) and asset sub-number (ANLN2). If there are more than 1 line for the same asset number/co code, retrieve the latest validity date.
- Step-3: Based on the result from step-1, go to table ANLB (Depreciation area terms). Filter the details based on company code (BUKRS), asset number (ANLN1) and asset sub-number (ANLN2). Note: One asset will consist of more than one line item depending on the number of depreciation areas that is set up in the legacy system
- Step-4: Based on the result from step 1 and 3, go to table ANLC (Asset values). Filter based on company code (BUKRS), asset number (ANLN1), asset sub-number (ANLN2), fiscal year (GJAHR) and Depreciation areas (AFABE). For filtering on Fiscal year (GJAHR), this will depend on whether it is year end or mid-year migration.

- Year end migration: This will depend on the data transfer date. Ex: If the data transfer date is 31.12.2027, then fiscal year (GJAHR) will be 2027

- Mid year migration: This will depend on the data transfer date. Ex: If the data transfer date is 30.06.2028, then fiscal year (GJAHR) will be 2028

After this, retrieve the asset cumulative values.

i) ROU asset cumulative values KANSW
ii) ROU asset accumulated depreciation KNAFA. Note: For year end migration, the accumulated migration will equals to KNAFA + NAFAG as the accumulated depreciation
iii) ROU asset cumulative Unplanned depreciation KAAFA
iv) ROU asset ordinary depreciation posted in the current migration year NAFAG
v) ROU asset posted unplanned depreciation in the current migration year AAFAG

- Step-5: Go to table ANEP (Asset line item postings), filter based on company code (BUKRS), ROU asset number (ANLN1), ROU asset sub number (ANLN2), fiscal year (GJAHR) and accounting document number (BELNR). Then, retrieve the following:

i) Sequence number of asset line items in the current fiscal year LNRAN

ii) Asset value date BZDAT

iii) Asset transaction type BWASL

iv) Proportional values posted automatically XANTW

- ~~Step 6: Go to table ANLV (Insurance data), filter based on company code (BUKRS), ROU asset number (ANLN1) and ROU asset sub-number (ANLN2). Then, retrieve the data for ROU asset insurance information.~~
- ~~Step 7: Go to table ANLU (Asset master: user fields), filter based on company code (BUKRS), ROU asset number (ANLN1) and ROU asset sub number (ANLN2). Then, retrieve the user fields data for ROU assets~~

There are 2 group go-live as below:

- Group 1 go-live is planned for 1 July 2028
- Group 2 go-live is planned for 1 Jan 2029

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

If the currency of the depreciation area in the target S4 system is the same as the currency of the mapped depreciation area in the source system, the ROU asset balances will be copied from the mapped depreciation area of the source system. Otherwise, the asset balances will be converted from the asset balances of the depreciation area of the source system as per the mapping table by using the exchange rates for conversion as below:

- For Group 1 Go live: B/S spot rate as of 30 June 2028 will be used for Group Depreciation Areas
- For Group 2 Go live: B/S spot rate as of 31 Dec 2028 will be used for Group Depreciation Areas

Note: If company codes (where local currency is not EUR) have depreciation area in EUR, this EUR depreciation area is currently not used anymore. (In the past, these EUR depreciation areas were used when BFC was not the consolidation tool).

ROU Assets will be migrated to respective group go live as described in Enterprise Structure Catalog - Google Sheets (worksheet 10. Company code).

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	ROU Assets	1,675	S/4 HANA	Will be same as Source, unless any new Assets and/or deactivation of assets before Go-live
WP2	ROU Assets	1,772	S/4 HANA	Will be same as Source, unless any new Assets and/or deactivation of assets before Go-live

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. The description line 2 is used to add information on the description of the asset when the line 1 length is not enough.
- Field "Asset main no.text" (ANLH-ANLHTXT) must be in English

Document Management

N/A

Legal Requirement

There are no legal requirements relevant to data migration of ROU Assets

Special Requirements

N/A

Target Design

The technical design of the target for this conversion approach.

Load Sheet Name	Table	Field	Data Element	Field Description	Data Type	Length	Requirement
Master details	ANLA	BUKRS	BUKRS	Company Code	CHAR	4	Required
Master details	ANLA / ACDOCA	ANLN1	ANLN1	External/Legacy ROU Asset Number	CHAR	12	Required
Master details	ANLA / ACDOCA	ANLN2	ANLN2	ROU Asset Sub number	CHAR	4	Required, System auto generated
Master details	ANLA / ACDOCA	ANLKL	ANLKL	ROU Asset Class	CHAR	8	Required
Master details	ANLA	TXT50	TXA50_ANLT	ROU Asset Description	CHAR	50	Required
Master details	ANLA	TXA50	TXA50_MORE	ROU Asset Description 2	CHAR	50	Optional
Master details	ANLA	SERNR	AM_SERNR	Serial Number	CHAR	18	Optional
Master details	ANLA	INVNR	INVNR_ANLA	Inventory Number	CHAR	25	Optional
Master details	ANLA / ACDOCA	MENGE	AM_MENGE	Quantity	QUAN	13 with Decimal 3	Optional
Master details	ANLA / ACDOCA	MEINS	MEINS	Base Unit of Measure	UNIT	3	Optional
Master details	ANLA	ANEQK	ANEQK	Asset is managed historically	NUMC	1	Not Used
Master details	ANLH	ANLHTXT	ANLHTXT	Asset Main Number Text	CHAR	50	Required
Master details	ANLU	ZZHEADING	Z1A_HEADING	Headings	CHAR	10	Not Used
Inventory	ANLA	IVDAT	IVDAT_ANLA	Last inventory date	DATS	8	Not Used
Inventory	ANLA	INKEN	INKEN	Inventory indicator	CHAR	1	Not Used
Posting Information	ANLA	AKTIV	AKTIVD	Asset Capitalization Date	DATS	8	Required
Time Dependent Data	ANLZ / ACDOCA	GSBER	GSBER	Business Area	CHAR	4	Not Used
Time Dependent Data	ANLZ / ACDOCA	KOSTL	KOSTL	Cost Center	CHAR	10	Required
Time Dependent Data	ANLZ / ACDOCA	WERKS	WERKS_D	Plant	CHAR	4	Not Used
Time Dependent Data	ANLZ	STORT	STORT	Asset Location	CHAR	10	Not Used
Time Dependent Data	ANLZ	FKBER	FKBER	Functional Area	CHAR	16	Not Used
Time Dependent Data	ANLZ / ACDOCA	PRCTR	PRCTR	Profit Center	CHAR	10	System Generated
Allocations	ANLA	ORD41	ORD41	Evaluation Group 1	CHAR	4	Optional
Allocations	ANLA	ORD42	ORD42	Evaluation Group 2	CHAR	4	Optional
Allocations	ANLA	ORD43	ORD43	Evaluation Group 3	CHAR	4	Optional
Allocations	ANLA	ORD44	ORD44	Evaluation Group 4	CHAR	4	Optional
Allocations	ANLA	GDLGRP	GDLGRP	Evaluation Group 5	CHAR	8	Optional
Origin	ANLA	LIFNR	AM_LIFNR	Account Number of Supplier	CHAR	10	Optional
Origin	ANLA	HERST	HERST	Manufacturer of Asset	CHAR	30	Optional
Origin	ANLA	VBUND	RASSC	Company ID of Trading Partner	CHAR	6	Optional
Net Worth Valuation	ANLA	VMGLI	VMGLI	Property Classification Key	CHAR	4	Optional
Net Worth Valuation	ANLA	EIGKZ	EIGKZ	Property Indicator	CHAR	1	Not Used
Depreciation Areas	ANLB / ACDOCA	AFABE	AFABE_D	Depreciation Area	NUMC	2	Required
Depreciation Areas	ANLB	AFASL	AFASL	Depreciation Key	CHAR	4	Required
Depreciation Areas	ANLB	NDJAR	NDJAR	Useful Life (in Years)	NUMC	3	Required
Depreciation Areas	ANLB	NDPER	NDPER	Useful Life (in Periods)	NUMC	3	Optional
Cumulative Values	ANLC	AFABE	AFABE_D	Depreciation Area	NUMC	2	Required
Cumulative Values	ANLC / ACDOCA	GJAHR	GJAHR	Current Fiscal Year	NUMC	4	Required
Cumulative Values	ANLC	KANSW	KANSW	Cumulated Acquisition Value	CURR	23 with Decimal 2	Required
Cumulative Values	ANLC	KNAFA	KNAFA	Accumulated Ordinary Depreciation	CURR	23 with Decimal 2	Required
Cumulative Values	ANLC	KSAFA	KSAFA	Cumulative Special Depreciation	CURR	23 with Decimal 2	Not Used
Cumulative Values	ANLC	KAAFA	KAAFA	Cumulative Unplanned Depreciation	CURR	23 with Decimal 2	Optional
Cumulative Values	T093B	WAERS	WAERS	Currency Key	CUKY	5	Required
Posted Values	ANLC	AFABE	AFABE_D	Depreciation Area	NUMC	2	Required

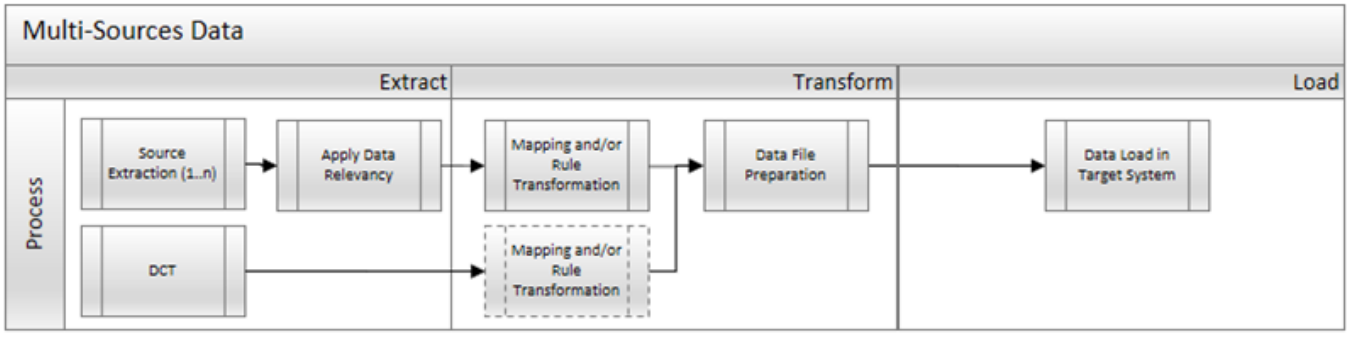
Posted Values	ANLC / ACDOCA	GJAHR	GJAHR	Current Fiscal Year	NUMC	4	Required
Posted Values	ANLC	NAFAG	NAFAG	Posted Ordinary Deprec. for the Year	CURR	23 with Decimal 2	Required
Posted Values	ANLC	SAFAG	SAFAG	Posted Special Depreciation for the Year	CURR	23 with Decimal 2	Not Used
Posted Values	ANLC	AAFAG	AAFAG	Posted Unplanned Deprec. for the Year	CURR	23 with Decimal 2	Optional
Posted Values	T093B	WAERS	WAERS	Currency Key	CUKY	5	Required
Posted Values	ANLC	PSTEND	PSTEND	Depr. Posted Until (Including Period)	NUMC	3	Required
Transactions (Tranf.Dur. FY)	ANLC	AFABE	AFABE_D	Depreciation Area	NUMC	2	Conditional
Transactions (Tranf.Dur. FY)	ANEP	BWASL	BWASL	Asset Transaction Type	CHAR	3	Conditional
Transactions (Tranf.Dur. FY)	ANEP	GJAHR	GJAHR	Current Fiscal Year	NUMC	4	Conditional
Transactions (Tranf.Dur. FY)	ANEP	LNRAN	LNRAN	Sequence No. of Asset Line Items in FY	NUMC	5	Conditional
Transactions (Tranf.Dur. FY)	ANEP	BZDAT	BZDAT	Reference Date	DATS	8	Conditional
Transactions (Tranf.Dur. FY)	ANEP	ANBTR	ANBTR	Amount Posted	CURR	23 with Decimal 2	Conditional
Transactions (Tranf.Dur. FY)	T093B	WAERS	WAERS	Currency Key	CUKY	5	Conditional

Data Cleansing

ID	Criticality	Error Message /Report Description	Rule	Output	Source System
1	Low	If ROU asset is active but underlying RE-FX contract is concluded then the ROU asset will be cleansed through deactivation.	1. Get contract numbers from VICNCN-BUKRS where BUKRS represents company codes in scope. ~~and VICNCN-RECNENDABS is greater than or equal to 'Cutover date'~~ 2. From step-1, get RE-FX contract numbers and verify VICERULE-VALIDTO is equal to Blank (or converted value '99991231') and Probable end date VICERULE-PROBABLEEND is less than or equal to 'Cutover date' or 'Blank (or converted value 99991231/ 00000000)' and VICERULE-CESLTYPE is 'A'. After this, pass VICNCN-INTERNO and check VICNCN-RECNENDABS is less than or equal to 'Cutover date' or 'Blank (or converted value 99991231). ~~VICNCN-RECNENDABS is greater than or equal to 'Cutover date' and Probable end date VICERULE-PROBABLEEND is less than or equal to 'Cutover date'~~ 3. From step-1 and 2, identify associated ROU assets and see if ROU asset is deactivated ANLA-DEAKT. If not deactivated, cleansing to be performed	After cleansing, those ROU assets will become deactivate	PF2 and WP2

Conversion Process

The high-level process is represented by the diagram below. Note: DCT is not required for this object 9108. DCT is shown in table below for reference only, just in case in the future data migration, DCT may be required.



The conversion process will be largely automated using Syniti ADMM as the conversion tool:

Process	Activity

Extract	Extract involves collecting data from the source. The source is a SAP system, Extract means to pull the required data from source systems into repository using Syniti ADMM. There are 2 steps for this method: 1. Perform full data extraction from relevant ROU Assets tables in the source system(s). 2. Apply Relevancy criteria for filtering the data that will be applicable according to Target Design.
Transform	There are 2 steps of Transform activities that can happen in ADMM: 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. 2. Prepare load-ready data in the structure and format that is required for loading via SAP Data Migration Cockpit or any other standard tool. This step also produces the load data ready for business to perform Pre-load Data Validation.
Load	This process includes: 1. Execute the automated data load into target S4HANA system using load tool. 2. Once the data is loaded to target system, it will be extracted and prepared for Post Load Data Validation.

Data Privacy and Sensitivity

N/A

Extraction

The ROU Assets shall be extracted from SAP ECC and migrated using the 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 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. Note: DCT is not applicable for this object 9108

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

Note: Co code 7735 operates outside SAP ERP and does not have any leased contracts / ROU assets under the scope of IFRS 16.

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
1.	Extract ROU 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 ROU asset master records from ANLZ table in PF2 and WP2.	Syniti team
4.	Extract Depreciation Terms Data of the ROU asset master from ANLB table in PF2 and WP2.	Syniti team
5.	Extract ROU Asset master text from ANLH table in PF2 and WP2.	Syniti team
6.	Extract Insurance Data of ROU asset master records 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)

Field Name	Field Description	Rule
N/A		

Extraction Dependencies

Item #	Step Description	Team Responsible
1.	Data cleansing of legacy ROU assets where associated RE-FX contracts are no longer available for valuation.	Business
2.	Data cleansing of legacy ROU assets where ROU assets are still exist but underlying RE-FX contracts are expired, in this instance, ROU assets will be required to deactivate.	Business
3	Insurance Values: Final insurance values will be updated in respective ROU assets (mostly equipment related) before extraction begins.	Business
4	Complete Balance carry forward process, if any	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 that all of the fields that require value mapping have the latest signed-off and imported into Syniti Migrate.	Data team
2.	Go to Process Area Launch and Process the Object – ROU Asset	Data team
3.	Launch the Objects to execute transformation.	Data team
4.	Perform transformation ROU Assets 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

The ROU asset takeover values will be based on the currency of the target depreciation area as depreciation areas are defaulted from the chart of depreciation assigned to the company code in the target system. Thus, depreciation area/chart of depreciation in the target system will be mapped to the depreciation area/chart of depreciation in the legacy system if the currency is the same.

- If the target depreciation area is found in the mapping table, the takeover values will be copied from the source depreciation area.

- Otherwise, will be translated from the gross values found in the Book Depreciation area, refer to section "Depreciation area in Foreign Currency".

Depreciation area in Foreign Currency:

Asset Balances in Group Currency depreciation area will not be migrated as per values Group depreciation areas in the legacy system. If the target depreciation area/chart of depreciation is not found in the mapping table, the corresponding balances for the depreciation area will be derived from the Book Depreciation area i.e. 01-Leading.

For conversion, the exchange rate would be as below:

- For Group 1 Go live: B/S spot rate as of 30 June 2028 will be used for Group Depreciation Areas
- For Group 2 Go live: B/S spot rate as of 31 Dec 2028 will be used for Group Depreciation Areas

The translation will be done in ADMM and align to the Trial Balance Conversion.

Translation logic to determine the balance:

In SAP, currencies (data type CURR) are stored with 2 decimal number but can be configured to display with different number of decimals (Table TCURX)

The logic to determine the balance (this logic should apply to all currencies):

1. Check table T093B in legacy system to retrieve the currency for the company code and depreciation area.
2. Check table TCURX in legacy system to find the number of decimal places for the currency. If '0', multiply the amounts by 100, else (including no entry found in TCURX), no action

Currency Adjustment During Migration (TCURX Consideration):

In SAP, the TCURX table defines the number of decimal places used for each currency. This impacts how amounts are stored internally in database tables versus how they are displayed externally in user interfaces or reports.

Currencies such as JPY (Japanese Yen), KRW (Korean Won), or VND (Vietnamese Dong) are typically configured with no decimal places (TCURX-CURRDEC = 0).

Understanding and correctly applying the TCURX rules is essential during data migration to ensure financial consistency between ECC and S/4HANA. Internal vs External Currency Representation example:

Internal Vs External Currency Amount Representation:

The amount value as displayed to users in SAP screens and reports is 96015 JPY (external), whereas, the amount value stored in database tables for computation is 960.15 JPY (internal).

During data migration, these internal (technical) amounts must be converted to external amounts to ensure accuracy and consistency in the target S /4HANA system through multiplied by factor = 10^2 if target has 2 decimals

Conversion Formula: External Amount = Internal Amount * 10 to the power (2 - Number of decimal for the currency in TCURX table)

Insurance value for ROU Assets conversion:

Before S/4HANA, there were two ways to map insurable values in the system.

- Option 1: Defining specific information for insurance in the asset master record (SAP ECC)
- Option 2: Managing insurance values in a dedicated depreciation area (SAP S/4HANA)

In SAP S/4HANA only the second option is supported. The customizing activities for the first option are no longer available.

The insurance value in the new depreciation (Area 04) in Syway S4HANA equals the net book value at the conclusion of the fiscal year. Because depreciation is not often calculated for new insurance value in the depreciation area, the net insurance value is derived from the legacy environment.

It has been agreed and confirmed with the business that the final insurance replacement values would be cleansed and updated through insurance depreciation area to reflect final insurance values as at cut-off date. Following that, the ETL process begins by extracting insurance value from table ANLC based on company code (BUKRS), ROU asset number (ANLN1), ROU asset sub number (ANLN2), Fiscal year (GJAHR) and Depreciation area (AFABE), which are then migrate to a dedicated depreciation area in Syway S4HANA as below.

Table and Field name	Field description	Rule
ANLA-BUKRS	Company Code	Value mapping: Must be valid company code in company code configuration table
ANLA-ANLN1	Asset number	Legacy ROU asset number which has insurance value
ANLA-ANLN2	Asset sub-number	Defaulted to '0000'
ANLA-TXT50	Description 1	Legacy ROU asset description with up to 50 char.
ANLC-AFABE	Depreciation area	Defaulted to '04 - IFRS Insurance'
T093B-WAERS	Depreciation area currency	Get currency based on the combination of company code and depreciation area
ANLC- ANSWL	Total Acquisition Value – Current Year	Get the remaining insurance value as of cut-off date

Evaluation Groups:

The following approach will be adopted to update the target EG values in Syway S/4HANA

1. Download ROU assets in scope (from PF2 and WP2) for countries that require Evaluation Group (in S/4) into excel file.
2. Send this file to Business to fill in the new target values of Evaluation Groups.
3. Syniti team will get this value mapping during the ETL process
4. Load to S/4 based on legacy ROU asset number and new values of Evaluation Group

Load Template_Tab	Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic

Master details	1	PF2 and WP2	ANLA	BUKRS	Company Code	SAP S /4HANA	ANLA	BUKRS	Company Code	Value Mapping: Map from source to target by using company code mapping table. Must be a valid company code in company code configuration (table T001)
Master details	2	PF2 and WP2	ANLA	ANLN1	External /Legacy ROU Asset Number	SAP S /4HANA	ANLA / ACDOCA	ANLN1	External /Legacy ROU Asset Number	Populate this field with the legacy ROU asset number from PF2 and WP2
Master details	3	PF2 and WP2	ANLA	ANLN2	ROU Asset Sub number	SAP S /4HANA	ANLA / ACDOCA	ANLN2	ROU Asset Sub number	According to Syway design in S /4HANA, no sub-assets will be created. Note: Only 1 ROU sub-asset (with sub number 1) is exist in WP2 and this will be migrated as main asset with sub number 0
Master details	4	PF2 and WP2	ANLA	ANLKL	ROU Asset Class	SAP S /4HANA	ANLA / ACDOCA	ANLKL	ROU Asset Class	Value Mapping: Map from source to target through ROU Asset Class mapping table. Note: ROU asset classes are only valid for this object.
Master details	5	PF2 and WP2	ANLA	TXT50	ROU Asset Description	SAP S /4HANA	ANLA	TXT50	ROU Asset Description	Copy as-is from legacy
Master details	6	PF2 and WP2	ANLA	TXA50	ROU Asset Description 2	SAP S /4HANA	ANLA	TXA50	ROU Asset Description 2	Copy as-is from legacy. Note: This field is only required if ANLA-TXT50 goes beyond 50 chars due to field length constraints.
Master details	7	PF2 and WP2	ANLA	SERNR	Serial Number	SAP S /4HANA	ANLA	SERNR	Serial Number	Copy as-is from legacy
Master details	8	PF2 and WP2	ANLA	INVNR	Inventory Number	SAP S /4HANA	ANLA	INVNR	Inventory Number	Copy as-is from legacy
Master details	9	PF2 and WP2	ANLA	MENGE	Quantity	SAP S /4HANA	ANLA / ACDOCA	MENGE	Quantity	Copy as-is from legacy
Master details	10	PF2 and WP2	ANLA	MEINS	Base Unit of Measure	SAP S /4HANA	ANLA / ACDOCA	MEINS	Base Unit of Measure	Copy as-is from legacy Note: Must be populated if Quantity ANLA-MENGE is populated, else, blank
Master details	11	PF2 and WP2	ANLA	ANEQK	Asset is managed historically	SAP S /4HANA	ANLA	ANEQK	Asset is managed historically	Not used in Syway S4. Left with blank
Master details	12	PF2 and WP2	ANLH	ANLHTXT	Asset Main Number Text	SAP S /4HANA	ANLH	ANLHTXT	Asset Main Number Text	Copy from legacy For migrated ROU assets, this field shall be used to capture the English translation of the asset description ANLA-TXT50
Master details	13	PF2	ANLU	ZZHEADING	Heading	SAP S /4HANA	Not used			Not used in Syway S4. Left with blank
Inventory	14	PF2 and WP2	ANLA	IVDAT	Last inventory date	SAP S /4HANA	ANLA	IVDAT	Last inventory date	Not used in Syway S4. Left with blank
Inventory	15	PF2 and WP2	ANLA	INKEN	Inventory indicator	SAP S /4HANA	ANLA	INKEN	Inventory indicator	Not used in Syway S4. Left with blank
Posting Information	16	PF2 and WP2	ANLA	AKTIV	Asset Capitalization Date	SAP S /4HANA	ANLA	AKTIV	Asset Capitalization Date	Copy as-is from legacy Validation rule: Asset capitalization date must be the same as underlying RE FX contract start date. Step-1: Get ROU asset number from ANLA-BUKRS where BUKRS is a valid company code from the mapping table and ANLA-ANLN1 where ANLN1 is relevant ROU asset number and ANLA-ANLN2='0'. Step-2: After, go to table VICERULE-ASSETOBJNR where ASSETOBJNR is ROU asset number from step 1 (ex: find with *123456789*) and will get VICERULE-INTERNO from the output. Get INTERNO and go to VICNCN-INTERNO and validate with VICNCN-RECNBEG Capitalization date will be less than or equal to mock cut-off date.
Time Dependent Data	17	PF2 and WP2	ANLZ	GSBER	Business Area	SAP S /4HANA	ANLZ / ACDOCA	GSBER	Business Area	As per Syway design, this is not going to be used. So, left with blank

Time Dependent Data	18	PF2 and WP2	ANLZ	KOSTL	Cost Center	SAP S /4HANA	ANLZ / ACDOCA	KOSTL	Cost Center	Value mapping Validation rule: ROU Asset's Cost center must be the same as underlying RE FX Cost center. Step-1: Get ROU asset number from ANLA-BUKRS where BUKRS is a valid company code from the mapping table and ANLA-ANLN1 where ANLN1 is relevant ROU asset number and ANLA-ANLN2='0'. Step-2: After, go to table VICERULE-ASSETOBJNR where ASSETOBJNR is ROU asset number from step 1 (ex: find with *XXXX123456789* where XXXX is a co code) and will get VICERULE-INTERNO from the output. Step-3: Go to table VICNCN and pass INTERNO (from step-2) to get VICNCN-INTERNO and VICNCN-OBJNR Step-4: Go to table VICERULE and pass INTERNO (from step-2) and CERULE is equal to 'IFRS16'. From the output, if valid to is 'Blank or converted value is 31.12.9999', then get VICERULE-ACCTOBJNR. ACCTOBJNR is a combination of 1. account assignment 2. controlling area and 3. Cost center. Ex: KSZ0268701-1101. KS - account assignment Z026 - Controlling area 8701-1101 - Cost center If VICERULE-ACCTOBJNR is blank then move to Step-5 Step-5: Go to table VIBDOBJASS and pass OBJNR (that get from step-3) onto VIBDOBJASS-OBJNRSRC. From the output, get VIBDOBJASS-OBJNRTRG. Step-6: Go to table VIBDCNSUBJECT and pass OBJNR (from step 5) and get account assignment object (aka cost center) from VIBDCNSUBJECT-ACCTOBJNR. Identify cost center from position 7 in the string, Ex: KSZ0064019-5461 where cost center is '4019-5461'.
Time Dependent Data	19	PF2 and WP2	ANLZ	WERKS	Plant	SAP S /4HANA	ANLZ / ACDOCA	WERKS	Plant	Not Used in S4 ~~Value mapping~~ ~~Map from source to target via Plant mapping table. Must be valid in plant assigned to the company code configuration (Table T001K)~~
Time Dependent Data	20	PF2 and WP2	ANLZ	STORT	Asset Location	SAP S /4HANA	ANLZ	STORT	Asset Location	Not Used in S4 ~~Value mapping~~ ~~Map from source to target via Location mapping table. Must be valid Location (T499S-STAND) assigned to plant above in configuration (Table T499S)~~
Time Dependent Data	21	PF2 and WP2	ANLZ	FKBER	Functional Area	SAP S /4HANA	ANLZ	FKBER	Functional Area	Not used. Left with blank
Time Dependent Data	22	PF2 and WP2	ANLZ	PRCTR	Profit Center	SAP S /4HANA	ANLZ / ACDOCA	PRCTR	Profit Center	System generated. Profit center is auto derived from the cost center maintained in the ROU asset master record. In legacy systems, Profit center is not populated in ROU asset master.

Allocations	23	PF2 and WP2	ANLA	ORD41	Evaluation Group 1	SAP S /4HANA	ANLA	ORD41	Evaluation Group 1	Value mapping This is dependent on S4 design, and will get target EG 1 values by legacy ROU asset as part of value mapping.
Allocations	24	PF2 and WP2	ANLA	ORD42	Evaluation Group 2	SAP S /4HANA	ANLA	ORD42	Evaluation Group 2	Value mapping This is dependent on S4 design, and will get target EG 2 values by legacy ROU asset as part of value mapping.
Allocations	25	PF2 and WP2	ANLA	ORD43	Evaluation Group 3	SAP S /4HANA	ANLA	ORD43	Evaluation Group 3	Value mapping This is dependent on S4 design, and will get target EG 3 values by legacy ROU asset as part of value mapping.
Allocations	26	PF2 and WP2	ANLA	ORD44	Evaluation Group 4	SAP S /4HANA	ANLA	ORD44	Evaluation Group 4	Value mapping This is dependent on S4 design, and will get target EG 3 values by legacy ROU asset as part of value mapping.
Allocations	27	PF2 and WP2	ANLA	GDLGRP	Evaluation Group 5	SAP S /4HANA	ANLA	GDLGRP	Evaluation Group 5	Value mapping This is dependent on S4 design, and will get target EG 5 values by legacy ROU asset as part of value mapping.
Origin	28	PF2 and WP2	ANLA	LIFNR	Account Number of Supplier	SAP S /4HANA	ANLA	LIFNR	Account Number of Supplier	Value mapping. It will be migrated based on a mapping table of Vendor, provided that the vendor is relevant for BP master creation in S/4HANA.
Origin	29	PF2 and WP2	ANLA	HERST	Manufacturer of Asset	SAP S /4HANA	ANLA	HERST	Manufacturer of Asset	Copy as-is from legacy
Origin	30	PF2 and WP2	ANLA	VBUND	Company ID of Trading Partner	SAP S /4HANA	ANLA	VBUND	Company ID of Trading Partner	Value mapping - If the entity exists as a trading partner in S/4, it will be migrated based on a mapping table of Trading Partner. - if the entity doesn't exist as a trading partner in S/4, this field ANLA-VBUND will be blank
Net Worth Valuation	31	PF2 and WP2	ANLA	VMGLI	Property Classification Key	SAP S /4HANA	ANLA	VMGLI	Property Classification Key	Value mapping
Net Worth Valuation	32	PF2 and WP2	ANLA	EIGKZ	Property Indicator	SAP S /4HANA	ANLA	EIGKZ	Property Indicator	Copy as-is from legacy
Depreciation Areas	33	PF2 and WP2	ANLB	AFABE	Depreciation Area	SAP S /4HANA	ANLB / ACDOCA	AFABE	Depreciation Area	Value mapping Map from source to target via Depreciation area mapping table
Depreciation Areas	34	PF2 and WP2	ANLB	AFASL	Depreciation Key	SAP S /4HANA	ANLB	AFASL	Depreciation Key	Value mapping Map from source to target via Depreciation Key mapping table
Depreciation Areas	35	PF2 and WP2	ANLB	NDJAR	Useful Life (in Years)	SAP S /4HANA	ANLB	NDJAR	Useful Life (in Years)	Copy as-is from legacy
Depreciation Areas	36	PF2 and WP2	ANLB	NDPER	Useful Life (in Periods)	SAP S /4HANA	ANLB	NDPER	Useful Life (in Periods)	Copy as-is from legacy
Cumulative Values	37	PF2 and WP2	ANLC	AFABE	Depreciation Area	SAP S /4HANA	ANLC	AFABE	Depreciation Area	Value mapping. Map from source to target via Depreciation area mapping table
Cumulative Values	38	PF2 and WP2	ANLC	GJAHR	Current Fiscal Year	SAP S /4HANA	ANLC / ACDOCA	GJAHR	Current Fiscal Year	Fiscal year should be updated as per the mock cycle. Ex: If mock cycle 1 is 30.06.2027 then this field will be updated as 2027 and so on
Cumulative Values	39	PF2 and WP2	ANLC	KANSW	Cumulated Acquisition Value	SAP S /4HANA	ANLC	KANSW	Cumulated Acquisition Value	Get APC cost from legacy
Cumulative Values	40	PF2 and WP2	ANLC	KNAFA	Accumulated Ordinary Depreciation	SAP S /4HANA	ANLC	KNAFA	Accumulated Ordinary Depreciation	Get Accumulated depreciation from legacy - For year end migration, the accumulated depreciation will equals to KNAFA+NAFAG as the total accumulated dep. - For mid-year migration, the accumulated depreciation is only KNAFA as of previous year
Cumulative Values	41	PF2 and WP2	ANLC	KSAFA	Cumulative Special Depreciation	SAP S /4HANA	ANLC	KSAFA	Cumulative Special Depreciation	No special depreciation for ROU assets in legacy, hence, leave it blank

Cumulative Values	42	PF2 and WP2	ANLC	KAAFA	Cumulative Unplanned Depreciation	SAP S /4HANA	ANLC	KAAFA	Cumulative Unplanned Depreciation	Technically, there wont be unplanned depreciation for ROU assets for migration. - PF2 has no unplanned depreciation for ROU assets - WP2 has unplanned depiction for two ROU assets due to impairment that was already included in underlying RE-FX contracts via conditions.
Cumulative Values	43	PF2 and WP2	T093B	WAERS	Currency Key	SAP S /4HANA	T093B	WAERS	Currency Key	Get depreciation area and go to table T093B and pass T093B-BUKRS and T093B-AFABE where AFABE is depreciation area. From the output, get currency key T093B-WAERS.
Posted Values	44	PF2 and WP2	ANLC	AFABE	Depreciation Area	SAP S /4HANA	ANLC	AFABE	Depreciation Area	Value mapping. Map from source to target via Depreciation area mapping table
Posted Values	45	PF2 and WP2	ANLC	GJAHR	Current Fiscal Year	SAP S /4HANA	ANLC / ACDOCA	GJAHR	Current Fiscal Year	Fiscal year should be updated as per the mock cycle. Ex: If mock cycle 1 is 30.06.2027 then this field will be updated as 2027 and so on
Posted Values	46	PF2 and WP2	ANLC	NAFAG	Posted Ordinary Deprec. for the Year	SAP S /4HANA	ANLC	NAFAG	Posted Ordinary Deprec. for the Year	Get ordinary depreciation from legacy - For year end migration, the accumulated depreciation will equals to KNAFA+NAFAG as the total accumulated dep. - For mid-year migration, the ordinary depreciation is only NAFAG from currency year postings.
Posted Values	47	PF2 and WP2	ANLC	SAFAG	Posted Special Depreciation for the Year	SAP S /4HANA	ANLC	SAFAG	Posted Special Depreciation for the Year	No special depreciation for ROU assets in legacy, hence, leave it blank
Posted Values	48	PF2 and WP2	ANLC	AAFAG	Posted Unplanned Deprec. for the Year	SAP S /4HANA	ANLC	AAFAG	Posted Unplanned Deprec. for the Year	Technically, there wont be unplanned depreciation for ROU assets for migration. - PF2 has no unplanned depreciation for ROU assets - WP2 has unplanned depreciation for two ROU assets due to impairment that was already included in underlying RE-FX contracts via conditions.
Posted Values	49	PF2 and WP2	T093B	WAERS	Currency Key	SAP S /4HANA	T093B	WAERS	Currency Key	Get depreciation area and go to table T093B and pass T093B-BUKRS and T093B-AFABE where AFABE is depreciation area. From the output, get currency key T093B-WAERS.
Posted Values	50	PF2 and WP2	ANLC	PSTEND	Depr. Posted Until (Including Period)	SAP S /4HANA	ANLC	PSTEND	Depr. Posted Until (Including Period)	Obtain the last posted depreciation from legacy. Ex: If mock cycle cut off date is 30.06.2027, then depreciation posted up to in legacy is June and this field will be updated to '06'.
Transactions (Tranf.Dur.FY)	51	PF2 and WP2	ANLC	AFABE	Depreciation Area	SAP S /4HANA	ANLC	AFABE	Depreciation Area	Value mapping. Conditional and only relevant to mid-year transactions Map from source to target via Depreciation area mapping table
Transactions (Tranf.Dur.FY)	52	PF2 and WP2	ANEP	BWASL	Asset Transaction Type	SAP S /4HANA	ANEP	BWASL	Asset Transaction Type	Value mappings. Conditional and only relevant to mid-year transactions Rule: - If APC additions are posted in the migration year and amount is greater than zero, then default to '100' - If Retirement/disposals posted in the migration year and amount is less than zero, then default to '101' However, the transaction types determination can be streamlined and more accurate through value mappings.
Transactions (Tranf.Dur.FY)	53	PF2 and WP2	ANEP	GJAHR	Current Fiscal Year	SAP S /4HANA	ANEP	GJAHR	Current Fiscal Year	Conditional and only relevant to mid-year transactions Fiscal year should be updated as per the mock cycle. Ex: If mock cycle 1 is 30.06.2027 then this field will be updated as 2027 and so on

Transactions (Tranf.Dur.FY)	54	PF2 and WP2	ANEP	LNRAN	Sequence No. of Asset Line Items in FY	SAP S /4HANA	ANEP	LNRAN	Sequence No. of Asset Line Items in FY	Conditional and only relevant to mid-year transactions Rule: Sequence number must be based on the combination of Co Code + ROU asset + transaction + depreciation area for the current year.
Transactions (Tranf.Dur.FY)	55	PF2 and WP2	ANEP	BZDAT	Reference Date	SAP S /4HANA	ANEP	BZDAT	Reference Date	Conditional and only relevant to mid-year transactions Copy as-is from legacy
Transactions (Tranf.Dur.FY)	56	PF2 and WP2	ANEP	ANBTR	Amount Posted	SAP S /4HANA	ANEP	ANBTR	Amount Posted	Conditional and only relevant to mid-year transactions Copy values by depreciation area from legacy
Transactions (Tranf.Dur.FY)	57	PF2 and WP2	T093B	WAERS	Currency Key	SAP S /4HANA	T093B	WAERS	Currency Key	Conditional and only relevant to mid-year transactions Get depreciation area and go to table T093B and pass T093B-BUKRS and T093B-AFABE where AFABE is depreciation area. From the output, get currency key T093B-WAERS.

List of Custom Target Reports for this object is maintained here: Conversion Specification - Validation Reports

Transformation Mapping

The following legacy values have to be transformed to target SyWay values.

Mapping Table Name	Mapping Table Description
Company code	Mapping of legacy Company code to SyWay Company code
Asset Class	Mapping of legacy ROU Asset Class to SyWay ROU Asset class
Cost center	Mapping of legacy Cost centre to SyWay Cost centre
Account number of Supplier	Mapping of legacy Supplier to SyWay Supplier
Trading Partner	Mapping of legacy Trading Partner to SyWay Trading Partner
Classification Key	Mapping of legacy Classification Key to SyWay Classification Key
Depreciation area	Mapping of legacy Depreciation areas to SyWay Depreciation areas
Depreciation key	Mapping of legacy Depreciation key to SyWay Depreciation key
Asset Transaction Types	Mapping of legacy transaction types to SyWay Transaction types
Evaluation Group 1	Mapping for target EG 1 will be provided by legacy ROU asset number
Evaluation Group 2	Mapping for target EG 2 will be provided by legacy ROU asset number
Evaluation Group 3	Mapping for target EG 3 will be provided by legacy ROU asset number
Evaluation Group 4	Mapping for target EG 4 will be provided by legacy ROU asset number
Evaluation Group 5	Mapping for target EG 5 will be provided by legacy ROU asset number

Transformation Dependencies

List the steps that need to occur before transformation can commence

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

Pre-Load Validation

Project Team

Completeness

Task	Action
Pre-load reports	Check that the number of ROU Assets in the upload file are the same as the number of contracts in the ETL file
Pre-load reports	Reconciliation of record count: Total number of ROU Assets in the extraction is compared against the total number of ROU Assets in the legacy system.

Accuracy

Task	Action
Conversion Accuracy	R2R Data Team to ensure that all fields listed below pass the checks: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Filed Length Checks 5. All necessary config values 6. Custom fields if any
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the ETL.

Business

Completeness

Task	Action
Verify record count	Business Data Owner/s to verify that the total number of relevant records from the source is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion accuracy	Business Data Owner/s to verify that all ROU assets are transformed accurately as per the ETL rules. Review List of Error reports in ADMM for any mismatch or missing transformed values.

Load

ROU Assets will be migrated using the SAP tool 'Migration Cockpit' and 'Object: Fixed asset (incl. balances and transactions)'. Migration template is attached as a reference.

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 Pre-load sign-offs are obtained	R2R Data team
2	Ensure the load tools are transported into the correct tool instance	R2R Data team
3	Go to <Load tool>	R2R Data team
4	Load 1 or 2 records for "ROU Assets" to validate if data is loaded successfully without errors. If errors, log defects and obtain resolution	R2R Data team
5	Proceed with full load if step 4 is successful and validated	R2R Data team
6	Validate few records loaded by accessing standard transactions or tables from S/4HANA E.g. AS03, AW01N, AR01 etc.,	R2R Data team
7	Generate post load report if step 6 is validated	R2R Data team

Load Phase and Dependencies

The load phase for this object is Pre Cutover and this object will be loaded before RE-FX Contracts (object 9108) is loaded.

Configuration

The table below shows a key configuration elements

Item #	Configuration Item
1.	Company Code
2	Chart of Depreciation
3	Asset Class
4	Depreciation Areas
5	Depreciation Key
6	GL Account determination

7	i) Soft Config - ROU Asset number ranges ii) Soft Config - Asset Data Transfer Configuration · Transfer date – Last day of the month prior to go-live · Legacy Data Transfer Status = In Preparation · Document type 9A

Conversion Objects

Object #	Preceding Object Conversion Approach
CNV-1073	Profit Centre
CNV-1074	Cost Centre
CNV-3018	Business Partners - FI Vendor

Error Handling

The table below shows some possible system errors for this data object during data load. All data load error is to be logged as defect and managed within the Defect Management

Error Type	Error Description	Action Taken
Invalid Data	Relevant cost center is not valid in the validity of time dependent data in the ROU 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

The following post load validations will be performed by the project team.

Completeness

Task	Action
Reconciliation of Total Record Count	Total number of records loaded for ROU Assets and Depreciation terms will be generated in the Post-load reports in ADMM. ROU Assets in the Post Load report is compared against total number of ROU assets in the pre-load reports by company code, Asset class, cost center, depreciation key etc.,
Mandatory fields check	Review the post load file and note the records that failed the mandatory fields check and fix the errors
Post-load activity	Recalculate ROU Asset values using t.code AFAR. This is a one time activity that is only required after the RE-FX Lease contract migration and post first month end contract valuation following go live

Accuracy

Task	Action
Check values in key fields for accuracy	Post-load reports will have the same structure as the load file and some additional columns as required to facilitate the post load validation. Leverage the Syniti ADMM tool 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. If any mismatch, they will report under 'Error' for corrective action.

Business

The following post load validations will be performed by the business.

Completeness

Task	Action
Record Count Check	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
Spot checks	Business should choose some ROU Assets and perform comprehensive checks of the fields in S/4 HANA. Recommended to verify sample data per company code and Asset class combination.
Conversion Accuracy	Verify that the ROU Assets in target S/4 HANA are loaded correctly via load program and validate post load reports using standard t.code AR01 from S/4 HANA.

Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- ROU Assets are in scope based on data design and any exception requested by business.
- ROU asset master cleansing is completed.
- All ROU assets (associated with RE-FX contracts) must be deactivated (i.e. populate the deactivation date field) if underlying lease contract is no longer available

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 59)	**Mar 30, 2026 17:37**	**PARA-ext, Anil**	
v. 58	Jan 21, 2026 09:19	**PARA-ext, Anil**	
v. 57	Jan 21, 2026 09:03	**PARA-ext, Anil**	
v. 56	Jan 21, 2026 08:58	**PARA-ext, Anil**	
v. 55	Jan 20, 2026 15:42	**PARA-ext, Anil**	
v. 54	Jan 20, 2026 15:11	**PARA-ext, Anil**	
v. 53	Jan 19, 2026 10:55	**PARA-ext, Anil**	
v. 52	Jan 19, 2026 10:53	**PARA-ext, Anil**	
v. 51	Jan 16, 2026 17:50	**PARA-ext, Anil**	
v. 50	Jan 16, 2026 17:26	**PARA-ext, Anil**	

Go to Page History

Workflow history

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

Apr 20, 2026	Actor	Type	Activity	Version

Approved	GARCIA-ext, Angel Luis	State	changed state to Approved at 2:26 pm	v59
Revision under Review	GARCIA-ext, Angel Luis	State	gave *Minor change* approval at 2:26 pm	
		State	changed state to Revision under Review at 2:26 pm	v59
Mar 30, 2026				
Revision in Progress	PARA-ext, Anil	Edit	updated the page at 5:37 pm	
		State	changed state to Revision in Progress at 3:37 pm	v59
Jan 26, 2026				
Approved	TAN-ext, Charmaine	State	changed state to Approved at 2:34 pm (State override) *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	v58
Lead Approval	TAN-ext, Charmaine	State	gave *Minor change* approval at 2:34 pm *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	