Procédure de déclaration de la TICPE _ France : La Rochelle, Profacid

Status	Approved
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Stakeholders	

Purpose

The purpose of this document is to define the conversion approach to create Functional Location in S/4 HANA.

Legacy Functional Locations are using a diverse range of formats across the different systems. There are instances where the same Functional Locations are duplicated within and across sources, with informal words. This results in data inconsistency. As per SyWay design, EAM Functional Locations will be standardized.

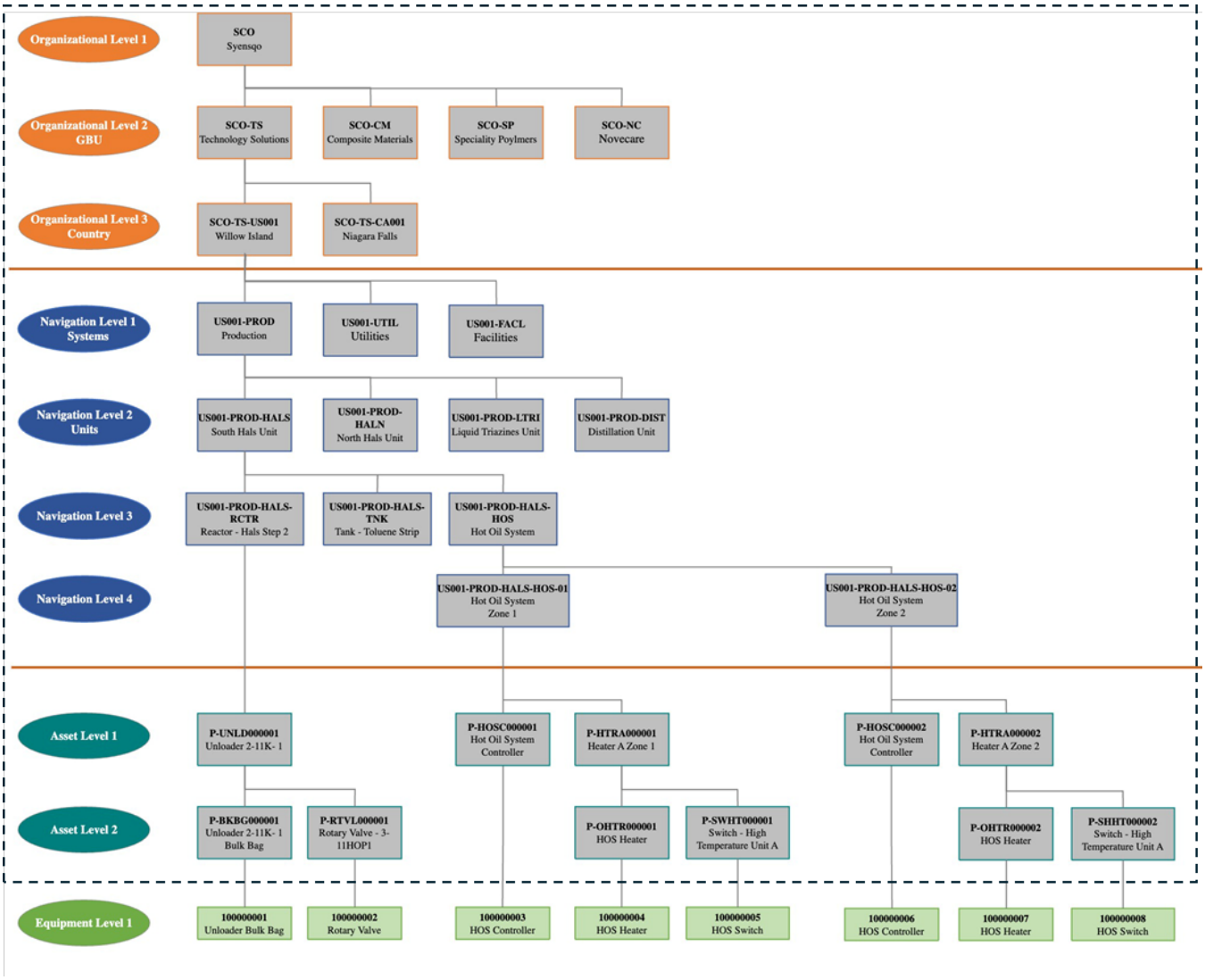
Conversion Scope

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

Functional Locations are technical objects that structure the maintainable objects of a company. They can represent either the location of a maintainable item, or the maintainable item itself. A functional location does not normally change and will record the history of all equipment that is installed at that location.

Syensqo utilizes Functional Locations (FLOC) within the SAP S/4HANA system to define and manage its Asset Hierarchy. The asset hierarchy is structured across three main categories:

1. Organisational Level - This level represents the enterprise structure of Syensqo. It defines:
    - The Company
    - The Global Business Unit (GBU)
    - The Plant
2. Navigational Level - This level structures the hierarchy based on the functional or geographical layout of the plant. It defines:
    - Units within the Plant
    - Further sub-levels based on the physical location or logical grouping of assets, enabling effective representation and navigation within the hierarchy
3. Asset Level - This is the installation level where the actual Assets and Sub-assets are physically located. It includes:
    - Specific installation points for equipment
    - Maintainable assets themselves, serving as key points for maintenance planning and execution



The data from legacy system includes:

- system status without INAC (Inactive)

The data from legacy system excludes:

- Not Applicable

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2, WP2	An initial extract will be provided to the business to evaluate. Additional data/records may be required and these will be constructed via DCT. Enrichment of in-scope data may be required and will be added via transformation rules (business/technical).	250,000	S/4HANA	250,000

Additional Information

Multi-language Requirement

Functional Location description will be made available in English.

Multi language is supported for Functional Location. Login via a different language will have its description displayed in the logon language if the language key is maintained in the Functional Location.

Document Management

1. <Types of documents> documents currently attached to Functional Locations will be migrated to <TBD>.
2. Refer to the conversion approach for <TBD>.

Legal Requirement

Not Applicable

Special Requirements

Not Applicable

Target Design

The technical design of the target for this conversion approach.

1. Functional Location Master

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Number	CHAR	30	Mandatory
IFLOT	TPLKZ	TPLKZ	Structure Indicator	CHAR	80	Mandatory
IFLOT	FLTYP	FLTYP	Category	CHAR	80	Mandatory
IFLOT	INBDT	INBDT	Start-Up Date	DATS	8	Conditional
IFLOT	EQART	EQART	Object Type	CHAR	80	Mandatory
IFLOT	HERST	HERST	Manufacturer	CHAR	30	Conditional
IFLOT	TYPBZ	TYPBZ	Model Number	CHAR	20	Conditional
IFLOT	MAPAR	MAPAR	Manufacturer Part Number	CHAR	30	Conditional
IFLOT	HERLD	HERLD	Country/Region of Manufacture	CHAR	80	Conditional
IFLOT	BAUJJ	BAUJJ	Year of Construction	CHAR	4	Conditional
IFLOT	BAUMM	BAUMM	Month of Construction	CHAR	80	Conditional
IFLOT	SERGE	SERGE	Manufacturer Serial Number	CHAR	30	Conditional
IFLOT	ANSWT	ANSWT	Acquisition Value	NUMC	13	Conditional
IFLOT	WAERS	WAERS	Currency Key (ISO Format)	CHAR	80	Conditional
IFLOT	SWERK	SWERK	Maintenance Plant	CHAR	80	Mandatory
IFLOT	EQFNR	EQFNR	Sort Field	CHAR	30	Conditional
IFLOT	BEBER	BEBER	Plant Section	CHAR	80	Conditional
IFLOT	ABCKZ	ABCKZ	ABC Indicator	CHAR	80	Conditional
ILOA	INGRP	INGRP	Planner Group	CHAR	80	Conditional
ILOA	IWERK	IWERK	Planning Plant	CHAR	80	Mandatory
ILOA	GEWRK	GEWRK	Maintenance Work Center	CHAR	80	Conditional
ILOA	WERGW	WERGW	Work Center Plant	CHAR	80	Conditional
ILOA	BUKRS	BUKRS	Company Code	CHAR	80	Mandatory
ILOA	KOSTL	KOSTL	Cost Center	CHAR	80	Conditional
ILOA	TPLMA	TPLMA	Superior Functional Location	CHAR	80	Conditional
ILOA	IEQUI	IEQUI	Indicator: Installation Allowed	CHAR	1	Conditional
ILOA	SUBMT	SUBMT	Construction Type	CHAR	80	Conditional

ILOA	KOKRS	KOKRS	Controlling Area	CHAR	4	Mandatory

2. Functional Location Short Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOTX	TPLNR	TPLNR	Functional Location Number	CHAR	30	Mandatory
IFLOTX	SPRAS	SPRAS	Language Key	LANG	1	Mandatory
IFLOTX	PLTXT	PLTXT	Description of Functional Location	CHAR	40	Mandatory

Note: Each Functional Location must have 1 entry for each language in scope: English, French, Italian, Mandarin, Brazilian, Portuguese, German and Spanish

3. Functional Location Classification

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
KSSK	KLART	KLART	Class Type	CHAR	20	Mandatory
KSSK	OBTAB	OBTAB	Name of Database Table for Object	CHAR	30	Mandatory
KSSK	CLASSNUM	CLASSNUM	Class Name	CHAR	30	Mandatory
KSSK	OBJEK	OBJEK	Object Key (Functional Location Number)	CHAR	90	Mandatory
KSSK	STATU	STATU	Classification Status	CHAR	80	Mandatory
KSSK	STDCL	STDCL	Indicator: Standard Class	CHAR	80	
KSSK	KEYDATE	KEYDATE	Valid From Date	DATS	8	
KSSK	NO_DEFAULT_VALUES	NO_DEFAULT_VALUES	Indicator: No Default Values	CHAR	80	
AUSP	CHARACT	CHARACT	Characteristic Name	CHAR	80	Mandatory
AUSP	POSNR	POSNR	Item Number	CHAR	3	Mandatory
AUSP	ATFLV	ATFLV	Numerical Value - From (Floating Point)	NUMC	16	
AUSP	ATFLB	ATFLB	Numerical Value - To (Floating Point)	NUMC	16	
AUSP	ATCOD	ATCOD	Code for Value Dependency	CHAR	1	
AUSP	UNIT_FROM_ISO	UNIT_FROM_ISO	Base Unit of Measure - From (ISO Code)	CHAR	80	
AUSP	UNIT_TO_ISO	UNIT_TO_ISO	Base Unit of Measure - To (ISO Code)	CHAR	80	
AUSP	DATE_FROM	DATE_FROM	Lower Boundary for Date - Interval	DATS	8	
AUSP	DATE_TO	DATE_TO	Upper Boundary for Date - Interval	DATS	8	
AUSP	TIME_FROM	TIME_FROM	Lower Boundary for Time - Interval	TIMS	6	
AUSP	TIME_TO	TIME_TO	Upper Boundary for Time - Interval	TIMS	6	
AUSP	ATFLV	ATFLV	Currency Value - From (Floating Point)	NUMC	16	
AUSP	ATFLB	ATFLB	Currency Value - To (Floating Point)	NUMC	16	
AUSP	VALUE_CHAR	VALUE_CHAR	Characteristic Value	CHAR	30	
AUSP	VALUE_CHAR_LONG	VALUE_CHAR_LONG	Characteristic Value Long	CHAR	70	
AUSP	VALUE_NEUTRAL	VALUE_NEUTRAL	Characteristic Value Neutral	CHAR	30	
AUSP	VALUE_NEUTRAL_LONG	VALUE_NEUTRAL_LONG	Characteristic Value Neutral Long	CHAR	70	
AUSP	INHERITED	INHERITED	Indicator: Characteristic Is Inherited	CHAR	1	

4. Functional Location Permit

Table	Field	Data Element	Field Description	Data Type	Length	Requirement

IHSG	OBJNR	OBJNR	Object Number (Internal Floc Number)	CHAR	30	Mandatory
IHSG	PMSOG	PMSOG	Permit Key	CHAR	10	Mandatory
IHSG	K_AF	K_AF	Indicator: Valid for Order Release	CHAR	1	
IHSG	K_AA	K_AA	Indicator: Valid for Order Completion	CHAR	1	
IHSG	K_DRUCK	K_DRUCK	Printout of Permit Papers	CHAR	1	
IHSG	K_PRO	K_PRO	Indicator: Permit Proposed During Processing	CHAR	1	

5. Functional Location Partner

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IHPA	OBJNR	OBJNR	Object Number (Internal Floc Number)	CHAR	30	Mandatory
IHPA	OBTYP	OBTYP	Object Type	CHAR	3	Mandatory
IHPA	PARVW	PARVW	Partner Function	CHAR	2	Mandatory
IHPA	PARNR	PARNR	Partner	CHAR	12	Mandatory

6. Functional Location User Status

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
JEST	OBJNR	OBJNR	Object Number (Internal Floc Number)	CHAR	30	Mandatory
JSTO	STSMA	STSMA	Status profile of the functional location	CHAR	8	Mandatory
JEST	STAT	STAT	Status Number in User Status List	CHAR	5	Mandatory
JEST	INACT	INACT	Indicator: Status Is Inactive	CHAR	1	

7. Functional Location Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Number	CHAR	30	Mandatory
IFLOTX	KZLTX	KZLTX	Long Text Exists	CHAR	1	Mandatory
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory
STXL	TDNAME	TDOBNAME	Name	CHAR	70	Mandatory
STXL	TDID	TDID	Text ID	CHAR	4	Mandatory
STXL	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory

Functional Location Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Number	CHAR	30	Mandatory
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory
STXL	TDNAME	TDOBNAME	Name	CHAR	70	Mandatory
STXL	TDID	TDID	Text ID	CHAR	4	Mandatory

STXL	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory
STXL	TDFORMAT	TDFORMAT	Tag column	CHAR	1	Mandatory
STXL	TDLINE	TDLINE	Text Line	CHAR	72	Mandatory

Data Cleansing

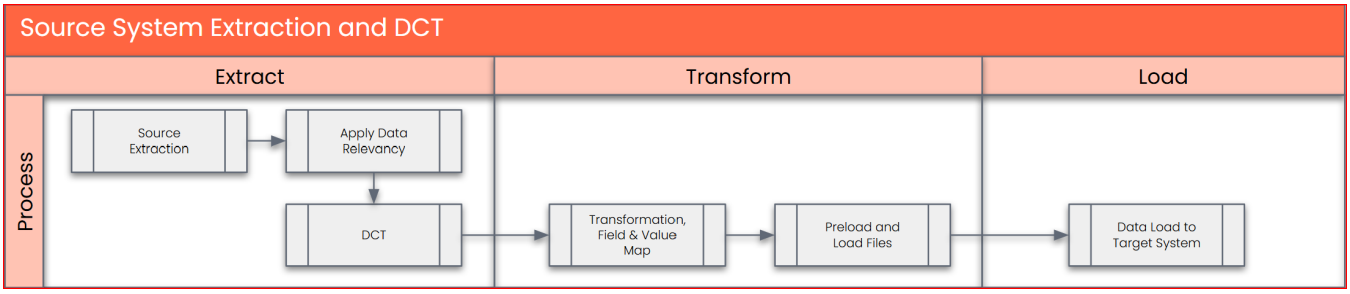
Functional Location Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Functional Location information follows the Master Data Standard document that is located here.

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
1003-001	C1	Missing Functional Location Descriptions	Functional Location as per Relevancy Criteria where there are blank Functional Location Descriptions.	Functional Location Description	PF2, WP2
1003-002	C2	Functional Location Descriptions with Informal Words	Functional Location as per Relevancy Criteria which contain [Informal Words] in the Functional Location Description	Functional Location Description	PF2, WP2
1003-003	C1	Invalid, Inactive or no Cost Centres linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Cost Centre which does not belong below: 1. Cost Centre (FI) as per Relevancy Criteria	Cost Centre	PF2, WP2
1003-005	C1	Invalid, Inactive or no Class linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Class which does not belong below: 1. Class as per Relevancy Criteria	Class	PF2, WP2
1003-006	C1	Invalid, Inactive or no Characteristic linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Characteristic which does not belong below: 1. Characteristic as per Relevancy Criteria	Characteristic	PF2, WP2
1003-007	C1	Invalid, Inactive or no Construction Type linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Construction Type which does not belong below: 1. Construction Type as per Relevancy Criteria	Construction Type	PF2, WP2
1003-008	C1	Invalid or Inactive Document Info Record linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Document Info Record which does not belong below: 1. Document Info Record as per Relevancy Criteria	Document Info Record	PF2, WP2
1003-009	C1	Invalid or Inactive Material linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Material which does not belong below: 1. Material Master (S2P) as per Relevancy Criteria	Material	PF2, WP2
1003-010	C1	Invalid, Inactive or no Work Centres linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Work Centre which does not belong below: 1. Work Centre as per Relevancy Criteria	Work Centre	PF2, WP2
1003-011	C1	Invalid or no Planner Group linked to Functional Location	Functional Location as per Relevancy Criteria with no Planner Group Assigned or Invalid Planner Group (T024I)	Planner Group	PF2, WP2
1003-012	C1	Invalid or no Technical Object Type linked to Functional Location	Functional Location as per Relevancy Criteria with no Technical Object Type Assigned or Invalid Technical Object Type (T370K)	Technical Object Type	PF2, WP2
1003-013	C1	Maintainable physical assets created as Functional Location (than Equipment)		Functional Location	PF2, WP2
1003-014	C1	Review all Functional Location / Equipment sitting under "ZDELETE". If these data set is not used / not needed, the system status should be set to INAC.		System Status	PF2, WP2
1003-015	C1	Invalid, Inactive or no Superior Functional Location linked to Functional Location	Functional Location as per Relevancy Criteria with no Superior Functional Location Assigned or with a Superior Functional Location which does not belong below: 1. Functional Location as per Relevancy Criteria	Superior Functional Location	PF2, WP2
1003-016	C1	Invalid, Inactive or no Maintenance Plans linked to Functional Location	Functional Location as per Relevancy Criteria with no Maintenance Plan Linked or with a Maintenance Plan which does not belong below: 1. Maintenance Plan as per Relevancy Criteria	Maintenance Plan	PF2, WP2
1003-017	C1	Invalid or Inactive Business Partner (Customer) linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Business Partner / Customer which does not belong below: 1. Business Partner FLCU01 (SD) as per Relevancy Criteria	Business Partner (Customer)	PF2, WP2
1003-019	C2	Material Types of Construction Types are non-Maintenance Assembly	Functional as per Relevancy Criteria where the Construction Type Assigned has a non-Maintenance Assembly Material Type* QF2: ZZ90-Maintenance Assembly WQ2: ZIBA-Maintenance Assembly	Construction Type	PF2, WP2

1003-020	C1	Invalid or Inactive Bill of Material linked to Functional Location	Functional Location as per Relevancy Criteria assigned with a Bill of Materia which does not belong below: 1. Bill of Material as per Relevancy Criteria	Bill of Material	PF2, WP2
1003-021	C1	Functional Location Company Code incorrect.	Functional Location as per Relevancy Criteria with Invalid Company Code (T001)	Company Code	PF2, WP2
1003-023	C1	Functional Location Currency Codes incorrect.	Functional Location as per Relevancy Criteria with Invalid Currency Codes (TCURC)	Currency	PF2, WP2
1003-024	C2	Functional Location Planning Plant and Maintenance Plant are not the same.	Functional Location as per Relevancy Criteria with Planning Plant <> Maintenance Plant	Maintenance Plant, Planning Plant	PF2, WP2
1003-025	C1	ABC Indicator missing on Functional Location	Functional Location as per Relevancy Criteria where ABC Indicator is blank	ABC Indicator	PF2, WP2

Conversion Process

The high-level process for Source System Extraction is represented by the diagram below:



Collection will be done manually in the Data Collection Template for the following scenarios:

- For sites not on SAP-PF2 or WP2 systems
- For new Functional Location that need to be created to support the to-be design.

Data Privacy and Sensitivity

Not Applicable

Extraction

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

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

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

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
1	Extract data from source system based on relevancy rule	SyWay Data Team
2	Internal Staging Table populated with PF2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team

Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
Not Applicable				

Data Collection Template (DCT)

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

1. The extracted report will be loaded into the required structure using the DCT.
2. Standardization activities (including deduplication, standardization and additions) will be carried out within the DCT.

Delta Data Management: Initial collection will be done via the report and one-time load to the DCT will be performed. Any delta after the initial collection within the DCT will require business to take due diligence to ensure any subsequent delta cleansing is verified and aligned within the DCT.

1. Functional Location Master DCT Rules

Field Name	Field Description	Rule
TPLNR	Functional Location Number	Mandatory Ensure follows valid mask for each Level of the Functional Location Structure. Organisation Level (SORG) = 'XXX-XX-AANNN' XXX = Syensqo XX = GBU AANNN= Country / Plant Navigational Layer (SNAV) = 'AANNN-XXXX-XXXX-XXXX-XX' AANNN-XXXX= Country/Plant-Unit XXXX = Section XXXX = Segment XX =Number of Segments Asset Layer (SAST) = 'X-XXXXNNNNNN' X = Unit (first letter) XXXX = Asset function 4-letter codes NNNNNN = Running Numbers Ensure SNAV-L4 exists for all SAST-L1 Functional Locations
TPLKZ	Structure Indicator	Mandatory Allowed values for each Level of the Functional Location Structure: SORG = XXX-XX-AANNN SNAV = AANNN-XXXX-XXXX-XXXX-XX SAST = X-XXXXNNNNNN
FLTYP	Category	Mandatory Allowed values for each Level of the Functional Location Structure: O - Org N - Nav A - Asset
INBDT	Start-Up Date	Conditional Must be populated if Functional Location User Status = Commissioned Populate with the user’s value if supplied, otherwise remain blank
EQART	Object Type	Conditional Must be populated for Category 'A' Functional Locations. Category 'N' Functional Locations to be defaulted to Generic Object Type. Category 'O' Functional Locations to be assigned 'Blank'. Allowed values from T370K
HERST	Manufacturer	
TYPBZ	Model Number	
MAPAR	Manufacturer Part Number	
HERLD	Country/Region of Manufacture	

BAUJJ	Year of Construction	
BAUMM	Month of Construction	
SERGE	Manufacturer Serial Number	
ANSWT	Acquisition Value	
WAERS	Currency Key (ISO Format)	
SWERK	Maintenance Plant	
EQFNR	Sort Field	
BEBER	Plant Section	
ABCKZ	ABC Indicator	
INGRP	Planner Group	
IWERK	Planning Plant	
GEWRK	Maintenance Work Center	
WERGW	Work Center Plant	
BUKRS	Company Code	
KOSTL	Cost Center	
TPLMA	Superior Functional Location	
IEQUI	Indicator: Installation Allowed	
SUBMT	Construction Type	
KOKRS	Controlling Area	

2. Functional Location Short Text DCT Rules

Field Name	Field Description	Rule
TPLNR	Functional Location Number	Mandatory Should exist in Functional Location Master Rules
SPRAS	Language Key	
PLTXT	Description of Functional Location	

3. Functional Location Classification DCT Rules

Data Element	Field Description	Rule
KLART	Class Type	
OBTAB	Name of Database Table for Object	
CLASSNUM	Class Name	
OBJEK	Object Key (Functional Location Number)	
STATU	Classification Status	
STDCL	Indicator: Standard Class	
KEYDATE	Valid From Date	
NO_DEFAULT_VALUES	Indicator: No Default Values	
CHARACT	Characteristic Name	
POSNR	Item Number	

ATFLV	Numerical Value - From (Floating Point)	
ATFLB	Numerical Value - To (Floating Point)	
ATCOD	Code for Value Dependency	
UNIT_FROM_ISO	Base Unit of Measure - From (ISO Code)	
UNIT_TO_ISO	Base Unit of Measure - To (ISO Code)	
DATE_FROM	Lower Boundary for Date - Interval	
DATE_TO	Upper Boundary for Date - Interval	
TIME_FROM	Lower Boundary for Time - Interval	
TIME_TO	Upper Boundary for Time - Interval	
ATFLV	Currency Value - From (Floating Point)	
ATFLB	Currency Value - To (Floating Point)	
VALUE_CHAR	Characteristic Value	
VALUE_CHAR_LONG	Characteristic Value Long	
VALUE_NEUTRAL	Characteristic Value Neutral	
VALUE_NEUTRAL_LONG	Characteristic Value Neutral Long	
INHERITED	Indicator: Characteristic Is Inherited	

4. Functional Location Permit DCT Rules

Data Element	Field Description	Rule
OBJNR	Object Number (Internal Floc Number)	
PMSOG	Permit Key	
K_AF	Indicator: Valid for Order Release	
K_AA	Indicator: Valid for Order Completion	
K_DRUCK	Printout of Permit Papers	
K_PRO	Indicator: Permit Proposed During Processing	

5. Functional Location Partner DCT Rules

Data Element	Field Description	Rule
OBJNR	Object Number (Internal Floc Number)	
OBTYP	Object Type	
PARVW	Partner Function	
PARNR	Partner	

6. Functional Location User Status DCT Rules

Data Element	Field Description	Rule
OBJNR	Object Number (Internal Floc Number)	
STSMA	Status profile of the functional location	
STAT	Status Number in User Status List	
INACT	Indicator: Status Is Inactive	

7. Functional Location Long Text Header DCT Rules

Data Element	Field Description	Rule
TPLNR	Functional Location Number	
KZLTX	Long Text Exists	
TDOBJECT	Texts: application object	
TDOBNAME	Name	
TDID	Text ID	
SPRAS	Language Key	

Functional Location Long Text Line DCT Rules

Data Element	Field Description	Rule
TPLNR	Functional Location Number	
TDOBJECT	Texts: application object	
TDOBNAME	Name	
TDID	Text ID	
SPRAS	Language Key	
TDFORMAT	Tag column	
TDLINE	Text Line	

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Ensure that create, change and deletion of master data is freeze in legacy Production system	Legacy IT
2	Relevancy Criteria for Characteristics	SyWay A2D Data Team
3	Relevancy Criteria for Class	SyWay A2D Data Team
4	Relevancy Criteria for Construction Type	SyWay A2D Data Team
5	Relevancy Criteria for Work Centre	SyWay A2D Data Team
6	Relevancy Criteria for Cost Centre	SyWay A2D Data Team
7	Relevancy Criteria for Business Partner (Vendor)	SyWay A2D Data Team

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	Obtain DCT Sign-off from Business.	SyWay Data Team
2	Ensure all mapping tables are up to date.	Syniti
3	In dspMigrate, select the wave –R3 S4/HANA – Plant Maintenance	Syniti
4	Go to Process Area Launch and Process the Object – Catalog Profile	Syniti
5	Review and Validate Error and Preload Reports	Syniti
6	Execute the transformation to prepare the target tables	Syniti
7	Validate data from pre-load and error reports	Business/Data owner
8	Generate load files	SyWay Data Team

Transformation Rules

1. Functional Location Master

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	TPLNR	Functional Location Number	S/4 Hana	IFLOT	TPLNR	Functional Location Number	
2	DCT	IFLOT	TPLKZ	Structure Indicator	S/4 Hana	IFLOT	TPLKZ	Structure Indicator	
3	DCT	IFLOT	FLTYP	Category	S/4 Hana	IFLOT	FLTYP	Category	
4	DCT	IFLOT	PLTXT	Description	S/4 Hana	IFLOT	PLTXT	Description	
5	DCT	IFLOT	INBDT	Start-Up Date	S/4 Hana	IFLOT	INBDT	Start-Up Date	
6	DCT	IFLOT	EQART	Object Type	S/4 Hana	IFLOT	EQART	Object Type	
7	DCT	IFLOT	HERST	Manufacturer	S/4 Hana	IFLOT	HERST	Manufacturer	
8	DCT	IFLOT	TYPBZ	Model Number	S/4 Hana	IFLOT	TYPBZ	Model Number	
9	DCT	IFLOT	MAPAR	Manufacturer Part Number	S/4 Hana	IFLOT	MAPAR	Manufacturer Part Number	
10	DCT	IFLOT	HERLD	Country/Region of Manufacture	S/4 Hana	IFLOT	HERLD	Country/Region of Manufacture	
11	DCT	IFLOT	BAUJJ	Year of Construction	S/4 Hana	IFLOT	BAUJJ	Year of Construction	
12	DCT	IFLOT	BAUMM	Month of Construction	S/4 Hana	IFLOT	BAUMM	Month of Construction	
13	DCT	IFLOT	SERGE	Manufacturer Serial Number	S/4 Hana	IFLOT	SERGE	Manufacturer Serial Number	
14	DCT	IFLOT	ANSWT	Acquisition Value	S/4 Hana	IFLOT	ANSWT	Acquisition Value	
15	DCT	IFLOT	WAERS	Currency Key (ISO Format)	S/4 Hana	IFLOT	WAERS	Currency Key (ISO Format)	
16	DCT	IFLOT	SWERK	Maintenance Plant	S/4 Hana	IFLOT	SWERK	Maintenance Plant	
17	DCT	IFLOT	EQFNR	Sort Field	S/4 Hana	IFLOT	EQFNR	Sort Field	
18	DCT	IFLOT	BEBER	Plant Section	S/4 Hana	IFLOT	BEBER	Plant Section	
19	DCT	IFLOT	ABCKZ	ABC Indicator	S/4 Hana	IFLOT	ABCKZ	ABC Indicator	
20	DCT	ILOA	INGRP	Planner Group	S/4 Hana	ILOA	INGRP	Planner Group	
21	DCT	ILOA	IWERK	Planning Plant	S/4 Hana	ILOA	IWERK	Planning Plant	
22	DCT	ILOA	GEWRK	Maintenance Work Center	S/4 Hana	ILOA	GEWRK	Maintenance Work Center	
23	DCT	ILOA	WERGW	Work Center Plant	S/4 Hana	ILOA	WERGW	Work Center Plant	
24	DCT	ILOA	BUKRS	Company Code	S/4 Hana	ILOA	BUKRS	Company Code	
25	DCT	ILOA	KOSTL	Cost Center	S/4 Hana	ILOA	KOSTL	Cost Center	
26	DCT	ILOA	TPLMA	Superior Functional Location	S/4 Hana	ILOA	TPLMA	Superior Functional Location	
27	DCT	ILOA	IEQUI	Indicator: Installation Allowed	S/4 Hana	ILOA	IEQUI	Indicator: Installation Allowed	
28	DCT	ILOA	SUBMT	Construction Type	S/4 Hana	ILOA	SUBMT	Construction Type	
29	DCT	ILOA	KOKRS	Controlling Area	S/4 Hana	ILOA	KOKRS	Controlling Area	

2. Functional Location Short Text

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOTX	TPLNR	Functional Location Number	S/4 Hana	IFLOTX	TPLNR	Functional Location Number	
2	DCT	IFLOTX	SPRAS	Language Key	S/4 Hana	IFLOTX	SPRAS	Language Key	
3	DCT	IFLOTX	PLTXT	Description of Functional Location	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	

3. Functional Location Classification

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	KSSK	KLART	Class Type	S/4 Hana	KSSK	KLART	Class Type	
2	DCT	KSSK	OBTAB	Name of Database Table for Object	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	
3	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASSNUM	Class Name	
4	DCT	KSSK	OBJEK	Object Key (Functional Location Number)	S/4 Hana	KSSK	OBJEK	Object Key (Functional Location Number)	
5	DCT	KSSK	STATU	Classification Status	S/4 Hana	KSSK	STATU	Classification Status	
6	DCT	KSSK	STDCL	Indicator: Standard Class	S/4 Hana	KSSK	STDCL	Indicator: Standard Class	
7	DCT	KSSK	KEYDATE	Valid From Date	S/4 Hana	KSSK	KEYDATE	Valid From Date	
8	DCT	KSSK	NO_DEFAULT_VALUES	Indicator: No Default Values	S/4 Hana	KSSK	NO_DEFAULT_VALUES	Indicator: No Default Values	
9	DCT	AUSP	CHARACT	Characteristic Name	S/4 Hana	AUSP	CHARACT	Characteristic Name	
10	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	
11	DCT	AUSP	ATFLV	Numerical Value - From (Floating Point)	S/4 Hana	AUSP	ATFLV	Numerical Value - From (Floating Point)	
12	DCT	AUSP	ATFLB	Numerical Value - To (Floating Point)	S/4 Hana	AUSP	ATFLB	Numerical Value - To (Floating Point)	
13	DCT	AUSP	ATCOD	Code for Value Dependency	S/4 Hana	AUSP	ATCOD	Code for Value Dependency	
14	DCT	AUSP	UNIT_FROM_ISO	Base Unit of Measure - From (ISO Code)	S/4 Hana	AUSP	UNIT_FROM_ISO	Base Unit of Measure - From (ISO Code)	
15	DCT	AUSP	UNIT_TO_ISO	Base Unit of Measure - To (ISO Code)	S/4 Hana	AUSP	UNIT_TO_ISO	Base Unit of Measure - To (ISO Code)	
16	DCT	AUSP	DATE_FROM	Lower Boundary for Date - Interval	S/4 Hana	AUSP	DATE_FROM	Lower Boundary for Date - Interval	
17	DCT	AUSP	DATE_TO	Upper Boundary for Date - Interval	S/4 Hana	AUSP	DATE_TO	Upper Boundary for Date - Interval	
18	DCT	AUSP	TIME_FROM	Lower Boundary for Time - Interval	S/4 Hana	AUSP	TIME_FROM	Lower Boundary for Time - Interval	
19	DCT	AUSP	TIME_TO	Upper Boundary for Time - Interval	S/4 Hana	AUSP	TIME_TO	Upper Boundary for Time - Interval	
20	DCT	AUSP	ATFLV	Currency Value - From (Floating Point)	S/4 Hana	AUSP	ATFLV	Currency Value - From (Floating Point)	
21	DCT	AUSP	ATFLB	Currency Value - To (Floating Point)	S/4 Hana	AUSP	ATFLB	Currency Value - To (Floating Point)	
22	DCT	AUSP	VALUE_CHAR	Characteristic Value	S/4 Hana	AUSP	VALUE_CHAR	Characteristic Value	
23	DCT	AUSP	VALUE_CHAR_LONG	Characteristic Value Long	S/4 Hana	AUSP	VALUE_CHAR_LONG	Characteristic Value Long	
24	DCT	AUSP	VALUE_NEUTRAL	Characteristic Value Neutral	S/4 Hana	AUSP	VALUE_NEUTRAL	Characteristic Value Neutral	
25	DCT	AUSP	VALUE_NEUTRAL_LONG	Characteristic Value Neutral Long	S/4 Hana	AUSP	VALUE_NEUTRAL_LONG	Characteristic Value Neutral Long	
26	DCT	AUSP	INHERITED	Indicator: Characteristic Is Inherited	S/4 Hana	AUSP	INHERITED	Indicator: Characteristic Is Inherited	

4. Functional Location Permit

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

1	DCT	IHSG	OBJNR	Object Number (Internal Floc Number)	S/4 Hana	IHSG	OBJNR	Object Number (Internal Floc Number)	
2	DCT	IHSG	PMSOG	Permit Key	S/4 Hana	IHSG	PMSOG	Permit Key	
3	DCT	IHSG	K_AF	Indicator: Valid for Order Release	S/4 Hana	IHSG	K_AF	Indicator: Valid for Order Release	
4	DCT	IHSG	K_AA	Indicator: Valid for Order Completion	S/4 Hana	IHSG	K_AA	Indicator: Valid for Order Completion	
5	DCT	IHSG	K_DRUCK	Printout of Permit Papers	S/4 Hana	IHSG	K_DRUCK	Printout of Permit Papers	
6	DCT	IHSG	K_PRO	Indicator: Permit Proposed During Processing	S/4 Hana	IHSG	K_PRO	Indicator: Permit Proposed During Processing	

5. Functional Location User Status

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IHPA	OBJNR	Object Number (Internal Floc Number)	S/4 Hana	IHPA	OBJNR	Object Number (Internal Floc Number)	
2	DCT	IHPA	OBTYP	Object Type	S/4 Hana	IHPA	OBTYP	Object Type	
3	DCT	IHPA	PARVW	Partner Function	S/4 Hana	IHPA	PARVW	Partner Function	
4	DCT	IHPA	PARNR	Partner	S/4 Hana	IHPA	PARNR	Partner	

5. Functional Location Partner

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	JEST	OBJNR	Object Number (Internal Floc Number)	S/4 Hana	JEST	OBJNR	Object Number (Internal Floc Number)	
2	DCT	JSTO	STSMA	Status profile of the functional location	S/4 Hana	JSTO	STSMA	Status profile of the functional location	
3	DCT	JEST	STAT	Status Number in User Status List	S/4 Hana	JEST	STAT	Status Number in User Status List	
4	DCT	JEST	INACT	Indicator: Status Is Inactive	S/4 Hana	JEST	INACT	Indicator: Status Is Inactive	

5. Functional Location Long Text Header

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	TPLNR	Functional Location Number	S/4 Hana	IFLOT	TPLNR	Functional Location Number	
2	DCT	IFLOTX	KZLTX	Long Text Exists	S/4 Hana	IFLOTX	KZLTX	Long Text Exists	
3	DCT	STXL	TDOBJECT	Texts: application object	S/4 Hana	STXL	TDOBJECT	Texts: application object	
4	DCT	STXL	TDNAME	Name	S/4 Hana	STXL	TDNAME	Name	
5	DCT	STXL	TDID	Text ID	S/4 Hana	STXL	TDID	Text ID	
6	DCT	STXL	TDSPRAS	Language Key	S/4 Hana	STXL	TDSPRAS	Language Key	

5. Functional Location Long Text Line

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	TPLNR	Functional Location Number	S/4 Hana	IFLOT	TPLNR	Functional Location Number	
2	DCT	STXL	TDOBJECT	Texts: application object	S/4 Hana	STXL	TDOBJECT	Texts: application object	
3	DCT	STXL	TDNAME	Name	S/4 Hana	STXL	TDNAME	Name	
4	DCT	STXL	TDID	Text ID	S/4 Hana	STXL	TDID	Text ID	
5	DCT	STXL	TDSPRAS	Language Key	S/4 Hana	STXL	TDSPRAS	Language Key	
6	DCT	STXL	TDFORMAT	Tag column	S/4 Hana	STXL	TDFORMAT	Tag column	
7	DCT	STXL	TDLINE	Text Line	S/4 Hana	STXL	TDLINE	Text Line	

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

Transformation Mapping

Mapping Table Name	Mapping Table Description

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure DCT tables completeness	Syniti
2	Ensure all Transformation mappings are up to date	Syniti

Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Record Count	Data team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	Data team to verify that all fields below meet pass the checks: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks
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 source data.

Business

Completeness

Task	Action
Verify Record Count	Business team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	Business to verify that all the data in the load table/file is accurate as per endorsed transformation/mapping rules (and signed-off data)

Load

The load process includes:

1. Execute the data load into target system using load tool
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.	SyWay Data team
2	Go to the load tool and select the correct load Program.	SyWay Data team
3	Proceed with Data load.	SyWay Data team
4	Validate few records loaded by accessing standard transactions.	SyWay Data team
5	Generate the post load reports in the tool.	SyWay Data team
6	Log errors as defects, if any and address resolutions. Close defects.	SyWay Data team
7	Resolve defects by re-upload and re-generate post load reports if necessary.	SyWay Data team
8	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
9	Repeat steps 5 to 7 if necessary.	SyWay Data team

Load Phase and Dependencies

Pre-Cutover

Configuration

Item #	Configuration Item
1	T370S - Structure Indicators with edit masks
2	T370F - Functional Location Category
3	T370K - Object Type
4	TCURC - Currency
5	T005 - Country of manufacturer
6	T001W - Maintenance Plant
7	T357 - Plant Section
8	T370C - ABC indicator
9	T399I - Planning Plant
10	T024I - Planner Group

Conversion Objects

Object #	Preceding Object Conversion Approach
1006	Work Centre
1074	Cost Center
1001	BOM
1015	Characteristics
1009	Class
1008	Catalog Profile

Error Handling

Error Type	Error Description	Action Taken
Configuration	Invalid Structure indicator missing	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Functional location cat missing	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Object Type	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Weight Unit	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Currency	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Country of Manufacturer	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Maintenance Plant	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Plant Section	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid ABC indicator	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Planning Plant	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Planner Group	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid catalog profile	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Location	Engage Functional team to expedite and fix the error in the system
Invalid Data	Invalid Cost Centre	Expedite whether the master data is changed in the system
Invalid Data	Invalid Class	Expedite whether the master data is changed in the system
Invalid Data	Invalid Work Centre	Expedite whether the master data is changed in the system
Invalid Data	Invalid BOM	Expedite whether the master data is changed in the system

Post-Load Validation

Project Team

Completeness

Task	Action
Verify Count	Data team to verify the record count created in target S/4 HANA by accessing post load reports in dspMigrate or standard reports from S/4 HANA.
Verify Logs	Check if there is data that failed to load and perform the necessary actions (e.g. register as post load issue, or attempt to load the record again, etc.).

Accuracy

Task	Action
Conversion Accuracy	Data team to verify that the Functional Location data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

Business

Completeness

Task	Action
Verify Count	Download Post Load Reports from dspMigrate and verify that the record count loaded in the target S/4 HANA is the same count as of the endorsed load file.

Accuracy

Task	Action
Conversion Accuracy	Verify that the Functional Location data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports 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.
- Functional Location is in scope based on data design and any exception requested by business.
- All data cleansing and preparation has been completed.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 23)	**Apr 07, 2026 07:20**	**JOSHI-ext, Aditya**	
v. 440	Apr 06, 2026 10:52	**PUN-ext, Eddy**	
v. 439	Apr 01, 2026 15:44	**JOSHI-ext, Aditya**	
v. 438	Apr 01, 2026 15:06	**JOSHI-ext, Aditya**	
v. 437	Apr 01, 2026 14:54	**JOSHI-ext, Aditya**	
v. 436	Apr 01, 2026 09:05	**JOSHI-ext, Aditya**	
v. 435	Apr 01, 2026 08:12	**PUN-ext, Eddy**	
v. 434	Mar 31, 2026 15:51	**JOSHI-ext, Aditya**	
v. 433	Mar 31, 2026 14:41	**JOSHI-ext, Aditya**	
v. 432	Mar 31, 2026 09:29	**JOSHI-ext, Aditya**	

Go to Page History

Workflow history

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