CNV-1003 Functional Location

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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 Hierarchy of 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 comprises of 3 levels which define:
    - The Company - Syensqo Organisation
    - The Global Business Unit (GBU) - Specialty Polymer, Composite Materials, Novecare, Technology Solutions etc.
    - The Plant - Willow Island, Niagara Falls etc.
2. Navigational Level - This level structures the hierarchy based on the functional or geographical layout of the plant. It comprises of 4 levels which define:
    - Units within the Plant - Production, Utilities, Facilities etc.
    - 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 comprises of 1 level which define:
    - Specific installation points for equipment
    - Maintainable assets themselves, serving as key points for maintenance planning and execution

The data from legacy system includes:

1. Functional Location having Maintenance Plant (ILOA-SWERK) in scope (Value Mapping : **Plant**, where Maintenance Plant = 'Yes') </Start CR0416>
2. Functional Location (IFLOS-TPLNR) for WP2 where IFLOS-ALKEY = '1' and IFLOS-ACTVS = 'X' </End CR0416>
3. On top of above the scope for Asset Functional Location shall be refined based on below scenarios subjected to:
    a. Relevant Equipment (EQUI-EQUNR) </Start CR0416> with Valid To Date (EQUZ-DATBI) = '99991231' </End CR0416> being Installed under Functional Location (IFLOT-TPLNR)
    b. Maintenance existing for the Functional Location -
        i. Any Maintenance Item (MPOS-WAPOS) existing for Functional Location (IFLOT-TPLNR) where (MPOS-EQUNR) = '' and (MPOS-BAUTL) = ''
        ii. Any Maintenance Item (MPOS-WAPOS) with Object List (OBJK-OBKNR) including Functional Location (IFLOT-TPLNR)
        iii. Any Functional Location Task list (TAPL-PLNNR) existing for Functional Location (IFLOT-TPLNR)
        iv. Any Work Order (AUFK-AUFNR) with created date (AUFK-ERDAT) in the last 5 years for Functional Location (IFLOT-TPLNR) where Equipment (AFIH-EQUNR) = '' and Assembly (AFIH-BAUTL) = ''
4. Functional Location Long Text in Inclusion-FL Long Text
5. Object Classification for the relevant Asset Functional Location

Scenario	Asset Structure Setup	Maintenance Setup	Resulting Action

1	Functional Location has Equipment	Maintenance present or not	1. Create AFLOC, at Fn. 2. If Fn-1 is missing in legacy (i.e Superior Functional Location is missing), include Fn in the Cleansing Report (1003-007) 3. If Fn-1 (superior functional location) is present, then all ancestors above Fn (Fn-1, Fn-2, Fn-3, …) a. if they have Equipment under it or maintenance associated, include in the Cleansing Report (1003-005), b. else include in Cleansing Report (1003-006) 4. Stop.
2	Functional Location has no Equipment	Maintenance Applicable	1. Create Equipment at Fn. 2. All ancestors above Fn-1 if they have Equipment under it or maintenance associated, include in the Cleansing Report (1003-005), else include in Cleansing Report (1003-006) 3. If Fn-1 is missing, include the missing level(s) in the Cleansing Report (1003-007). 4. Stop.
3	Functional Location has no Equipment	Maintenance Not-Applicable	1. Exclude Fn and note “No EQ/MI/WO – Business review if required for Target” in the Cleansing Report. 2. Move up to Fn-1 and re-evaluate: • If Fn-1 has Equipment apply Scenario 1 with Fn-1 as the current lowest level. • If Fn-1 has Maintenance but no Equipment apply Scenario 2 with Fn-1 as the current lowest level. • If Fn-1 has neither exclude Fn-1 and continue to Fn-2, etc. 3. If you reach the top with no match, exclude the entire chain and include it in the Cleansing Report for Business/DCT decision (1003-006).

Legend-

- Fn: The lowest (deepest) Functional Location in the evaluated chain (the starting point).
- Fn-1: The immediate parent of Fn (one level above).
- Fn-2: The grandparent of Fn (two levels above).
- Fn-n: Continue upward accordingly (Fn-3, Fn-4, …) until the topmost legacy Functional Location is reached.
- Ancestors above X: All levels strictly higher than X (e.g., “above Fn-1” = Fn-2, Fn-3, … top).
- AFLOC = Asset Functional Location in target

A Relevancy report (1003-010) shall be generated based on the above scenarios to manage the transformation. Report shall contain the below columns.

Column Name	Details
Source System	**Values:** PF2 or WP2 **Rule:** Copy from the record’s source. • If the legacy record comes from PF2, set PF2; if from WP2, set WP2.
Legacy Plant	Maintenance Plant assigned to the Legacy Functional Location
Legacy Functional Location	**Values:** Legacy Functional Location for Fn, Fn-1, Fn-2, … (one row per evaluated level) **Rule:** Populate the exact legacy functional location only for levels where a target object being registered (FL or EQ). • If no object is registered at a level (excluded/missing), Check if the Legacy Functional Location has Equipment under it or maintenance associated. If 'True' then output a row with all the remaining columns blank, else do not output a row for that level and include it in the Cleansing Report.
Legacy Functional Location Description	Description of Functional Location in Source System
Hierarchy Level	Level where the Legacy Functional Location sits as part of Functional Location Hierarchy in Source System
Has Equipment Under?	**Values:** X or blank **Rule:** X if the legacy FLOC at this row has at least one Equipment installed beneath it (per legacy hierarchy). Else blank. (Used only for rows you output—i.e., where you register a target object.)
Has Maintenance Associated?	**Values:** X or blank **Rule:** X if the legacy FLOC at this row has any MI/WO linked (status any) if that policy applies). Else blank.

Proposed New Technical Object	**Values**: EQ, FL, Blank **Rule** (evaluate in this order at the current level,): • Start at Fn and test these in order: 1. **Has Equipment (maintenance irrelevant)** Record this as **FL** (this will be AFLOC at Fn). All ancestors above Fn (Fn-1, Fn-2, Fn-3, …) if they have Equipment under it or maintenance associated, flag in the Cleansing Report (1003-005) , else flag in Cleansing Report (1003-006). If Fn-1 is missing in legacy (i.e no superior functional existing), include in the Cleansing Report (1003-007). Stop 2. **No Equipment, Has Maintenance** Record Fn as **EQ** and Fn-1 as **FL** (AFLOC) and Stop. All ancestors above Fn-1 if they have Equipment under it or maintenance associated, flag in the Cleansing Report (1003-005), else flag in Cleansing Report (1003-006). If Fn-1 is missing in legacy, flag “Missing Fn-1” in the Cleansing Report (1003-007). Stop 3. **No Equipment and No Maintenance** Record no object at Fn. Move to Fn-1 and re-apply the same checks as 1 and 2. If top is reached with no match, exclude the entire chain and keep it in the Cleansing Report for Business/DCT decision (1003-006). Stop
Has Equipment Installed? (Last Recorded)	**Values:** X or blank **Rule:** This field must be blank in the initial extract. For subsequent extracts, populate this field by carrying forward the *Has Equipment Under?* value from the previous extract. Populate this only for rows that are output/registered as a target object (i.e., rows you keep in the final output). Leave this field blank in the initial extract. From subsequent extracts onward, populate it using the above rule.
Has Maintenance Associated? (Last Recorded)	**Values:** X or blank **Rule:** This field must be blank in the initial extract. For subsequent extracts, populate this field by carrying forward the *Has Maintenance Associated?* value from the previous extract.
Proposed New Technical Object (Last Recorded)	**Values**: EQ, FL **Rule:** This field must be blank in the initial extract. For subsequent extracts, populate this field by carrying forward the *Proposed New Technical Object* value from the previous extract.
~~Not Relevant~~	~~Report to copy the values maintained in NOT_REL field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.~~
New Technical Object	Report to copy the values maintained in TGT_OBJECT field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.
New Functional Location	Report to copy the values maintained in TGT_TPLNR field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.
New Superior Functional Location	Report to copy the values maintained in TGT_TPLMA field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.
~~Business Verified~~	~~Report to copy the values maintained in BUS_VERF field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.~~
Review Status	Report to copy the values maintained in ZREVIEW_STATUS field of *Functional Location* DCT as maintained by Business for the respective Legacy Functional Location.

The data from legacy system excludes:

1. Functional Location (IFLOT-TPLNR) with Active (JEST-INAC <> 'X') System Status (JEST-STAT) Inactive '**INAC**'
2. Functional Location (IFLOT-TPLNR) with Active (JEST-INAC <> 'X') System Status (JEST-STAT) Deletion Flag '**DLFL'**
3. Functional Location (IFLOT-TPLNR) having Description (IFLOTX-PLTXT) containing words ('To be Deleted', 'DELETE')
4. Functional Location (IFLOT-TPLNR) placed below the Functional Locations included in exclusion criteria 1-3
   </Start CR0416>
5. ~~Functional Location (IFLOT-TPLNR) to be migrated as Equipment which are part of mapping (Functional Location, where New Technical Object = 'EQ')~~
6. Functional Location (IFLOT-TPLNR) with Superior Function Location (IFLOT-TPLMA) missing
7. Functional Location (IFLOT-TPLNR) not satisfying both conditions of Inclusion Criteria 3
   </End CR0416>

List of Tables to extract for this object is maintained here: Extract Table Register.

The following illustrates the various scenarios for the relevant Functional Location and how to derive the "Proposed New Technical Object"

Level		Proposed Tech Object		Proposed Tech Object		Proposed Tech Object		Proposed Tech Object

1			FL <Not Relevant> (because no Superior FL)					
2	FL (E) (M)	<Blank> (Because the below is proposed as FL)	FL	<Not Relevant> (Because no maintenance, no EQ)	FL (M)	<Blank> (Because the below is proposed as FL)	FL	<Not Relevant> (Because no maintenance, no EQ)
3	FL	<Not Relevant> (Because no maintenance, no EQ)	FL	<Not Relevant> (Because no maintenance, no EQ)	FL	<Not Relevant> (Because no maintenance, no EQ)	FL	<Not Relevant> (Because no maintenance, no EQ)
4	FL (M) ***This is Fn***	**EQ** (Because there is no EQ installed)	FL (M) (E)	<Blank> (Because the below is proposed as FL)	FL	<Not Relevant> (Because no maintenance, no EQ)	FL (M)	<Blank> (Because the below is proposed as EQ)
5			FL (E) ***This is Fn***	**FL** (Because there is EQ installed)	FL (M) (E)	<Blank> (Because the below is proposed as FL)	FL (M) ***This is Fn***	**EQ** (Because there is no EQ installed)
6			FL	<Not Relevant> (Because no maintenance, no EQ)	FL (E) (M) ***This is Fn***	**FL** (Because there is EQ installed)		
7			FL	<Not Relevant> (Because no maintenance, no EQ)				
8			FL	<Not Relevant> (Because no maintenance, no EQ)				
9			FL	<Not Relevant> (because no maintenance, no EQ)				

Legend:

(E) Has Equipment Installed

(M) Has Maintenance

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	Relevant Asset Level Functional Locations will be extracted from PF2 and WP2. An initial extract of the relevant asset-level Functional Locations will be provided in a Google Sheet format to assist the business in decision-making for the to-be Data Object type of the extracted Functional Locations (i.e. To be created as Functional Location / Equipment).	75,000	S/4HANA	75,000
DCT	Functional Locations for plants which do not have data existing from PF2 and WP2 as per Syensqo Asset Structure. This includes Level 1-7 Functional Locations including Organisation Level 1-3 and Navigation Levels 1-4.	TBD	S/4HANA	TBD

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

Refer to the KDD085 - Document Management in the SyWay Solution

Note: Documents attached to Functional Locations will be migrated as part of 9104-EAM Attachments.

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 Label	CHAR	30	Mandatory
IFLOT	TPLKZ	TPLKZ	Structure Indicator	CHAR	80	Mandatory
IFLOT	FLTYP	FLTYP	Category	CHAR	1	Mandatory
IFLOT	DATAB	DATAB	Start-Up Date	DATS	8	Conditional
IFLOT	EQART	EQART	Object Type	CHAR	10	Conditional
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	3	Conditional
IFLOT	BAUJJ	BAUJJ	Year of Construction	CHAR	4	Conditional
IFLOT	BAUMM	BAUMM	Month of Construction	CHAR	2	Conditional
IFLOT	SERGE	SERGE	Manufacturer Serial Number	CHAR	30	Conditional
IFLOT	ANSWT	ANSWT	Acquisition Value	NUMC	13	Conditional
IFLOT	WAERS	WAERS	Currency Key	CHAR	5	Conditional
ILOA	SWERK	SWERK	Maintenance Plant	CHAR	4	Conditional
ILOA	EQFNR	EQFNR	Sort Field	CHAR	30	Conditional
ILOA	BEBER	BEBER	Plant Section	CHAR	3	Conditional
ILOA	ABCKZ	ABCKZ	ABC Indicator	CHAR	1	Conditional
IFLOT	INGRP	INGRP	Planner Group	CHAR	3	Conditional
IFLOT	IWERK	IWERK	Planning Plant	CHAR	4	Conditional
CRHD	GEWRK	GEWRK	Maintenance Work Center	CHAR	8	Conditional
CRHD	WERGW	WERGW	Work Center Plant	CHAR	4	Conditional
ILOA	BUKRS	BUKRS	Company Code	CHAR	4	System
ILOA	KOSTL	KOSTL	Cost Center	CHAR	10	Conditional
IFLOT	TPLMA	TPLMA	Superior Functional Location	CHAR	30	Conditional
IFLOT	IEQUI	IEQUI	Equipment Installation Is Allowed	CHAR	1	Conditional
IFLOT	SUBMT	SUBMT	Construction Type	CHAR	40	Conditional
ILOA	KOKRS	KOKRS	Controlling Area	CHAR	4	Mandatory
IFLOT	BRGEW	BRGEW	Weight of Object	QUAN	13	Conditional
IFLOT	GEWEI	GEWEI	Unit of Weight	UNIT	3	Conditional
ADRC	NAME1	NAME1	Name 1	CHAR	40	Conditional

ADRC	NAME2	NAME2	Name 2	CHAR	40	Conditional
ADRC	NAME3	NAME3	Name 3	CHAR	40	Conditional
ADRC	NAME4	NAME4	Name 4	CHAR	40	Conditional
ADRC	COUNTRY	COUNTRY	Country/Region Key	CHAR	3	Conditional

2. Functional Location Short Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOTX	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
IFLOTX	SPRAS	SPRAS	Language Key	LANG	1	Mandatory
IFLOTX	PLTXT	PLTXT	Description of Functional Location	CHAR	40	Mandatory

Note:

- Each Category 'A' Functional Location must have 1 entry for English language and 1 entry for the language(s) of the country in which each Maintenance Plant assigned is located (French, Italian, Mandarin, Brazilian Portuguese, German or Spanish).
- Each Category 'O' and 'N' Functional Location must have 1 entry for each language in scope: English, French, Italian, Mandarin, Brazilian Portuguese, German and Spanish

3. Functional Location Classification (Header)

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
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
KSSK	STATU	STATU	Classification Status	CHAR	80	Mandatory

4. Functional Location Classification (Characteristics Value Allocation)

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
CABN	ATNAM	ATNAM	Characteristic Name	CHAR	30	Mandatory
AUSP	POSNR	POSNR	Item Number	CHAR	3	Mandatory
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
AUSP	ATFLV	ATFLV	Numerical Value - From	NUMC	16	Conditional
AUSP	ATFLB	ATFLB	Numerical Value - To	NUMC	16	Conditional
AUSP	DATE_FROM	DATE_FROM	Lower Boundary for Date - Interval	DATS	8	Conditional
AUSP	DATE_TO	DATE_TO	Upper Boundary for Date - Interval	DATS	8	Conditional
AUSP	TIME_FROM	TIME_FROM	Lower Boundary for Time - Interval	TIMS	6	Conditional
AUSP	TIME_TO	TIME_TO	Upper Boundary for Time - Interval	TIMS	6	Conditional
AUSP	ATFLV	ATFLV	Currency Value - From (Floating Point)	NUMC	16	Conditional
AUSP	ATFLB	ATFLB	Currency Value - To (Floating Point)	NUMC	16	Conditional
AUSP	CURRENCY	CURRENCY	Currency Key	CUKY	5	Conditional
AUSP	ATWRT	ATWRT	Characteristic Value	CHAR	30	Conditional
KSSK	KLART	KLART	Class Type	CHAR	20	Mandatory
KSSK	CLASS	CLASS	Class Name	CHAR	30	Mandatory

5. Functional Location Partner

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
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
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
JSTO	STSMA	STSMA	Status profile of the functional location	CHAR	8	Mandatory
JEST	STAT	STAT	Status Number in User Status List	CHAR	5	Mandatory

7. Functional Location Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
STXH	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory
STXH	TDNAME	TDOBNAME	Name	CHAR	70	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory
STXH	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory

8. Functional Location Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
IFLOT	TPLNR	TPLNR	Functional Location Label	CHAR	30	Mandatory (Key to link to Functional Location)
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	ROWCOUNT	ROWCOUNT	Row Count	NUMC	10	Mandatory
STXL	TDLINE	TDLINE	Text Line	CHAR	</Start CR0416> ~~72~~132 </End CR0416>	Mandatory

Note:

1. Long Text is not mandatory, only load when there is data
2. One Long Text Header must have at least 1 Long Text Line

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.

Data Cleansing

</Start CR0416>
Note: Criteria for Active Functional Locations -

- having Maintenance Plant (IFLOT-WERKS) in scope (Value Mapping : **Plant**, where Maintenance Plant = 'Yes'); and
- not having System Status Active (JEST-INAC <> 'X') (JEST-STAT) Inactive 'INAC'; and
- not having System Status Active (JEST-INAC <> 'X') (JEST-STAT) Deletion Flag 'DLFL'; and
- not having Description containing words ('To be Deleted', 'DELETE')

</End CR0416>

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
1003-001	C1	Asset (Category 'A') relevant Functional Location missing Technical Object Type	Functional Locations as per Relevancy Criteria </Start CR0416> (excluding records from Functional Location mapping DCT where ~~NOT_REL = 'X' or TGT_OBJECT = 'EQ'~~ and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed') </End CR0416> with no Technical Object Type Assigned	Plant, Functional Location, Functional Description	PF2, WP2
1003-002	C3	Info Report: Asset (Category 'A') relevant Functional Location missing Planner Group	Functional Location as per Relevancy Criteria </Start CR0416> (excluding records from Functional Location mapping DCT where ~~NOT_REL = 'X' or TGT_OBJECT = 'EQ'~~ and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed') </End CR0416> with no Planner Group Assigned	Plant, Functional Location, Functional Description	PF2, WP2
1003-003	C2	Asset (Category 'A') relevant Functional Location maintaining Acquisition Value but missing Currency Key	Functional Location as per relevancy criteria </Start CR0416> (excluding records from Functional Location mapping DCT where ~~NOT_REL = 'X' or TGT_OBJECT = 'EQ'~~ and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed') </End CR0416> where IFLOT_ANSWT <> '' (Blank) and IFLOT_WAERS = '' (Blank)	Plant, Functional Location, Functional Description, Superior Functional Location, Acquisition Value	PF2, WP2
1003-004	C3	Info Report : Asset (Category 'A') relevant Functional Location Long Text for Cleansing	Functional Location as per Relevancy Criteria </Start CR0416> (excluding records from Functional Location mapping DCT where ~~NOT_REL = 'X' or TGT_OBJECT = 'EQ'~~ and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed') </End CR0416> where Long Text Exist flag is assigned (IFLOTX-KZLTX) = 'X'. This is for manual review.	Plant, Functional Location, Functional Location Description, Long Text Language, Row Number, Long Text Line	PF2, WP2
1003-005	C3	Info Report: Active but not relevant Functional Location (i.e not the Lowest Level Functional Location) but have Equipment installed or maintenance associated	Active but not relevant Functional Location (i.e not the Lowest Level Functional Location) but have either Equipment installed or maintenance associated	Plant, Functional Location, Functional Description, Superior Functional Location, Maintenance Exist, Equipment Exist	PF2, WP2
1003-006	C3	Info Report: Active but not relevant Functional Location which don't have Equipment installed and maintenance associated	Active but not relevant Functional Location which don't have Equipment installed and maintenance associated	Plant, Functional Location, Functional Description, Superior Functional Location	PF2, WP2
1003-007	C3	Info Report: Excluded Functional Location having Equipment installed or maintenance associated and missing Superior Functional Location	Relevant Functional Location but excluded due to missing Superior Functional Location but having either Equipment installed or maintenance associated	Plant, Functional Location, Functional Description, Maintenance Exist, Equipment Exist	PF2, WP2
1003-008	C3	Info Report: Asset (Category 'A') relevant Functional Location missing Description in English Language	Functional Location as per the relevancy criteria </Start CR0416> (excluding records from Functional Location mapping DCT where ZREVIEW_STATUS = 'Out of Scope' ~~NOT_REL = 'X' or TGT_OBJECT = 'EQ'~~) </End CR0416> missing entries in IFLOTX where IFLOTX-SPRAS <> 'E'	Plant, Functional Location, Functional Description, Superior Functional Location, Language Key	PF2, WP2
</Start CR0416>					
~~1003-009~~	~~C3~~	~~Info Report: Functional Locations associated with incomplete or broken active Asset Structures~~	~~A) Functional Locations having Maintenance Plant (ILOA-SWERK) in scope (Value Mapping : **Plant**, where Maintenance Plant = 'Yes') and which belongs to below criteria:~~ ~~• Functional Location with System Status Active (JEST-INAC <> 'X') (JEST-STAT) Inactive 'INAC'~~ ~~• Functional Location with System Status Active (JEST-INAC <> 'X') (JEST-STAT) Deletion Flag 'DLFL'~~ ~~• Functional Location having Description containing words ('To be Deleted', 'DELETE')~~ ~~B) All Functional Locations Levels having Maintenance Plant (ILOA-SWERK) in scope (Value Mapping : **Plant**, where Maintenance Plant = 'Yes') installed below the Functional Locations in (A)~~	~~Plant, Functional Location, Functional Description, Superior Functional Location~~	~~PF2, WP2~~
</End CR0416>					

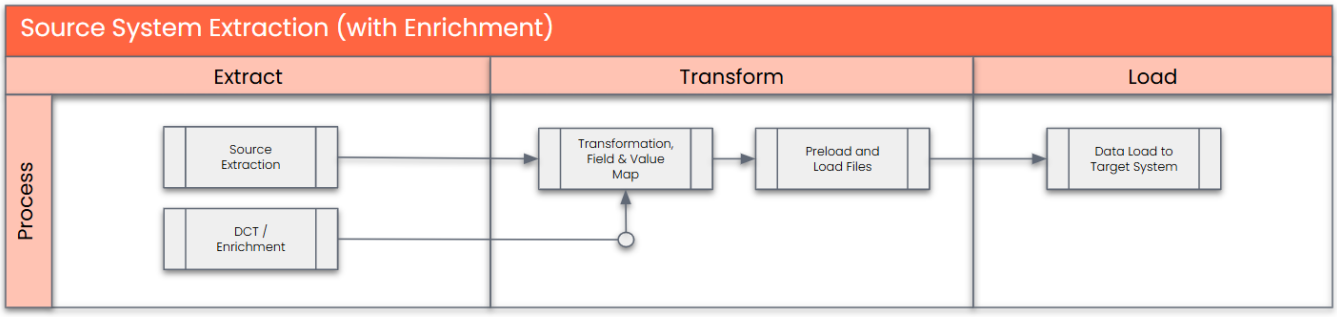
1003-010	C3	Info Report : Initial relevancy report based on the scenarios documented in the Conversion Scope section	Functional Locations as per relevancy scenarios mentioned in Conversion Scope	Source System, Plant, Legacy Functional Location, </Start CR0416> Functional Location Description, Hierarchy Level, Technical Object Type < /End CR0416>, Has Equipment Under?, Has Maintenance Associated?, Proposed New Technical Object, Proposed Level	PF2, WP2

Note: List of Cleansing is maintained here: Conversion Specs Register (DCT & Cleansing Report)

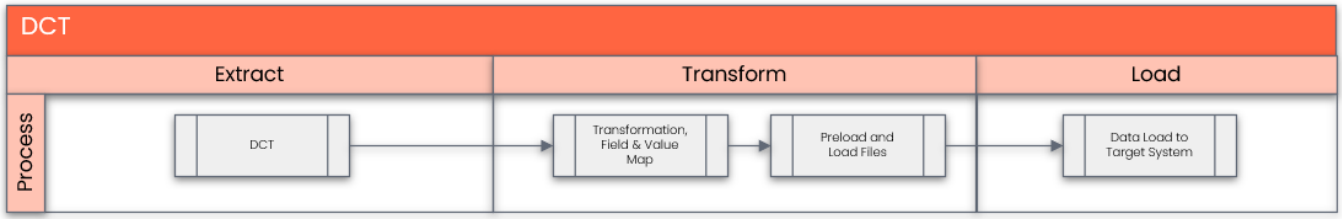
Conversion Process

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

1. Source = PF2/WP2:



2. Source = DCT



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 Locations that need to be created to support the to-be design

Data Privacy and Sensitivity

Not Applicable

Extraction

Extract data from a source into Advanced Data Migration and Management (ADMM). There are 2 possibilities:

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

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	Google Sheet report pre-populated with PF2 and WP2 information to be generated based on criteria mentioned in the 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 (1003-010) 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.

Note: All rules specified below should be documented as a **tooltip** in the DC Page.

Format:

Line 1: Mandatory / Conditional

Line 2: Remaining text

1. Functional Location Master Data Construction Rules

Data Element	Field Description	Rule
zLegacyTPLNR	Functional Location Label	Mandatory Naming Convention: 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 Asset Functional Location should only have a SNAV Functional Location as Superior Functional Location Note: For enriching PF2/WP2 data populate the Source Value of Functional Location. For new Functional Location not existing in PF2/WP2 populate the Target Value of Functional Location.

FLTYP	Category	Mandatory Allowed values for each Level of the Functional Location Structure: O - Org N - Nav A - Asset
EQART	Object Type	Conditional Must be populated for Category 'A' Functional Locations. Allowed values from T370K to be populated. Category 'O' and 'N' : User to populate values if applicable.
HERST	Manufacturer	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
TYPBZ	Model Number	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
MAPAR	Manufacturer Part Number	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
HERLD	Country/Region of Manufacture	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
BAUJJ	Year of Construction	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
BAUMM	Month of Construction	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
SERGE	Manufacturer Serial Number	Conditional User to populate value only for Category 'A' Functional Locations. Category 'O' and 'N' Functional Locations to be left 'Blank'.
ANSWT	Acquisition Value	Conditional User to populate value if available, else assign 'Blank'
WAERS	Currency Key	Conditional User to populate value if 'Acquisition Value' field has been populated, else assign 'Blank'
SWERK	Maintenance Plant	Conditional User must populate value only for Category ('A', 'N') Functional Locations and Category 'O' Level 3 Functional Locations. Allowed values: List from Value Mapping - Plant where Maintenance Plant = Yes Category 'O' Level 1 and 2 Functional Locations to be left 'Blank'.
EQFNR	Sort Field	Conditional User must populate value only for Category 'A' Functional Locations. Sort Field is used to store the Plant Tag ID. Category 'O' and 'N' Functional Locations to be assigned value if available, else left 'Blank'. Sort Field + Maintenance Plant should be unique combination.

BEBER	Plant Section	Conditional User must populate value only for Category 'A' Functional Locations. Allowed values from T357 to be populated. Category 'O' and 'N' Functional Locations to be left 'Blank'.
INGRP	Planner Group	Conditional User must populate value only for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Allowed values from T024I to be populated Category 'O' and 'N' Functional Locations to be left 'Blank'.
GEWRK	Maintenance Work Center	Conditional User must populate value for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Allowed values from Work Centre DCT to be populated. Category 'O' and 'N' Functional Locations to be left 'Blank'.
zLegacyKOSTL	Cost Center	Conditional User must populate value for all Category 'A' Functional Locations. Allowed Values: maintained in R2R Cost Centre Value Mapping Category 'O' and 'N' Functional Locations to be left 'Blank'.
TPLMA	Superior Functional Location	Conditional Should be blank for SORG- L1. For others Superior Functional location should be in accordance with the technical object structure of a particular Functional location Ensure SAST-L1 Functional Location must have a SNAV as Superior Functional Location
SUBMT	Construction Type	Conditional User must populate value for Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Allowed values from Assembly DCT to be populated Assigned Construction Type should have a TOT Characteristic value maintained which matches the 'Object Type' assigned on the Functional Location Category 'O' and 'N' Functional Locations to be left 'Blank'.
BRGEW	Weight of Object	Conditional User to populate value for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X' Category 'O' and 'N' Functional Locations to be left 'Blank'.
GEWEI	Unit of Weight	Conditional User to populate unit value if BRGEW (Weight) has been maintained. Allowed values from T006 to be populated
NAME1	Name 1	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset for Level 2 Categor y 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Category 'O' and 'N' Functional Locations to be left 'Blank'.
NAME2	Name 2	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Category 'O' and 'N' Functional Locations to be left 'Blank'.

NAME3	Name 3	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Category 'O' and 'N' Functional Locations to be left 'Blank'.
NAME4	Name 4	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X'. Category 'O' and 'N' Functional Locations to be left 'Blank'.
PLTXT_EN	Description (English)	Mandatory Guide for Description for Functional Location: For Category 'O' and 'N' Functional Locations - As provided by Business For Category 'A' Functional Location- A = Technical Object Type Description (in English language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in English Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same English language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes
</Start CR0283>		

PLTXT_FR	Description (French)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **French**. A = Technical Object Type Description (in French language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in French Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same French language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes
PLTXT_IT	Description (Italian)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **Italian**. A = Technical Object Type Description (in Italian language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in Italian Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same Italian language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes

PLTXT_ZH	Description (Mandarin)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **Mandarin**. A = Technical Object Type Description (in Mandarin language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in Mandarin Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same Mandarin language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes
PLTXT_PT	Description (Brazilian Portuguese)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **Brazilian Portuguese**. A = Technical Object Type Description (in Brazilian Portuguese language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in Brazilian Portuguese Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same Brazilian Portuguese language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes

PLTXT_DE	Description (German)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **German**. A = Technical Object Type Description (in German language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in German Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same German language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes
PLTXT_ES	Description (Spanish)	Guide for Description for Functional Location: Conditional: Category 'O' and 'N' Functional Locations: **Mandatory** For Category 'A' Functional Location: **Conditional** - populate this field only when the Plant's official language is **Spanish**. A = Technical Object Type Description (in Spanish language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in Spanish Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same Spanish language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes

~~SPRAS_LC~~	~~Language Key_Local~~	~~Conditional~~ ~~User to populate Language Key based language of the Country where the Maintenance Plant exists.~~ ~~Allowed values:~~ ~~1. "F" - French~~ ~~2. "1" - Mandarin/Simplified Chinese~~ ~~3. "I" - Italian~~ ~~4. "P" - Portuguese/Brazilian~~ ~~5. "D" - German~~ ~~6. "S" - Spanish~~
~~PLTXT_LC~~	~~Description of Functional Location (Local Language)~~	~~Conditional~~ ~~Guide for Description for Functional Location:~~ ~~For Category 'O' and 'N' Functional Locations - As provided by Business~~ ~~For Category 'A' Functional Location~~ ~~A = Technical Object Type Description (in Local Language of Plant)~~ ~~B = Asset Tag (Sort Field)~~ ~~C = Additional Description as provided by business (in language of the country in which each plant is located)~~ ~~Functional Location Description = A+B+C~~ ~~Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same English language key texts)~~ ~~Ensure that it does not include any of below characters:~~ ~~; Semi colon~~ ~~: Colon~~ ~~:: Double Colon~~ ~~? Question Mark~~ ~~/ Forward Slash~~ ~~@ At sign~~ ~~& Ampersand~~ ~~= Equal Sign~~ ~~+ Plus Sign~~ ~~$ Dollar Sign~~ ~~% Percent~~ ~~| Vertical Bar~~ ~~[] Left or Right Square Bracket~~ ~~" Double Quotes~~
</End CR0283>		
zLegacyPARNR_Z1	Partner (Asset Owner)	Conditional User to populate 'Z1' (Asset Owner) Vendor Business Partner for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X' Rule - For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated. For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated
zLegacyPARNR_Z2	Partner (Asset Maintainer)	Conditional User to populate 'Z2' (Asset Maintainer) Vendor Business Partner for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X' Rule - For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated. For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated

STAT_N1	Sequential Status in User Status Profile	Conditional 1. For Category 'O' and 'N' Functional Locations > Leave blank as it will be defaulted to 'PLAN' 2. For Category 'A' Functional Locations > Populate from allowed values: 'PLAN'- Planned 'COMM'- Commissioned 'INSR'- In Service 'OTSR'- Out Of Service 'SCRP'- Scrap If none is provided, it will be defaulted to 'PLAN'
STAT_X1	Non-Sequential Status in the User Status Profile - EXHZ (Extremely Hazardous)	Conditional User to populate 'EXHZ' (Extremely Hazardous) status for Category 'A' Functional Locations if applicable. Category 'O' and 'N' Functional Locations to be left 'Blank'.
STAT_X2	Non-Sequential Status in the User Status Profile - MTNA (Maintenance Not Allowed)	Conditional For Category 'O' and 'N' Functional Locations > Leave blank as it will be defaulted to 'MTNA' (Maintenance Not Allowed) For Category 'A' populate 'MTNA' (Maintenance Not Allowed) status if applicable.

2. Functional Location Classification Data Construction Rules

Data Element	Field Description	Rule
zLegacyTPLNR	Functional Location Label	Mandatory Key to link to Functional Location Should exist in Functional Location Master DCT Rules
CLASS	Class Name	</Start CR0283> Mandatory ~~Must always have an always an entry for EAM_9999.~~ ~~User to populate any other class as required~~ ~~Class other than 'EAM_9999' must have naming convention = EAM_TOT (Tech Object Type) of the Floc~~ User to populate below Class for each Functional Location - General Class 'EAM_9999' ; and Class having naming convention = EAM_<TOT> (Tech Object Type) of the Floc </End CR0283>
ATNAM	Characteristic Name	Mandatory User to populate Characteristic assigned to the Class 'EAM_9999' and Class having naming convention = EAM_<TOT> (Tech Object Type) of the Floc
ATWRT	Characteristic Value	Conditional. If the characteristic has character format (CHAR), populate with alphanumeric characters. If the characteristic has character format (DATE), must have the format DDMMYYYY. **E.g. 31122000** If the characteristic has character format (TIME), must have the format HHMMSS. **E.g. 110000** If the characteristic has character format (NUM), the field should contain only numerical characters. **E.g. 888** If the characteristic has character format (CURR), this field should contain only numerical characters. **E.g. 200** Note for DATE, TIME, NUM and CURR formats: If a range is required, the from and to values should be concatenated using a hyphen (" - "). E.g. DATE: 1 - 2, 110000 -112855 Fill in only if Characteristic - Interval values allowed (ATINT) is populated with "X" The Characteristic Value (From) should be <= Characteristic Value (To)

POSNR	Item Number	Conditional Sequential number to be maintained if multiple values are being recorded for the same Characteristic

3. Functional Location Long Text Data Construction Rules

Data Element	Field Description	Rule
zLegacyTPLNR	Functional Location Label	Mandatory Key to link to Functional Location Should exist in Functional Location Master DCT Rules
TDLINE_EN	Text Line (English)	Conditional User to populate Free Text in English Language as applicable
TDSPRAS_LC	Language Key_Local	Conditional User to populate Language Key based language of the Country where the Maintenance Plant exists. Allowed values: 1. "F" - French 2. "1" - Mandarin/Simplified Chinese 3. "I' - Italian 4. "P" - Portuguese/Brazilian 5. "D" - German 6. "S" - Spanish
TDLINE_LC	Text Line (Local Language)	Conditional User to populate Free Text in language of the country in which each plant is located (French, Italian, Mandarin, Brazilian Portuguese, German or Spanish).

4. Inclusion-FL Long Text Data Construction Rules

Data Element	Field Description	Rule
zLegacyTPLNR	Legacy Functional Location Label	Mandatory Values: Legacy Functional Location
zLegacyWERKS	Legacy Plant	Mandatory
zLegacySPRAS	Legacy Language Key	Mandatory. Allowed values: 1. "E" - English 2. "F" - French 3. "1" - Mandarin/Simplified Chinese 4. "I' - Italian 5. "P" - Portuguese/Brazilian 6. "D" - German 7. "S" - Spanish

Note: Only Long Texts that are added into this list will be migrated.

5. Functional Location Data Construction Rules

Data Element	Field Description	Rule
Legacy Plant	Maintenance Plant assigned to the Legacy Functional Location	Mandatory Values: Legacy Maintenance Plant This field must not be edited.

zLegacyTPLNR	Legacy Functional Location Label	Mandatory Values: Legacy Functional Location This field must not be edited.
EQUIP_EXIST	Has Equipment Under?	Conditional Values: 'X' or blank This field must not be edited.
MAINT_EXIST	Has Maintenance Associated?	Conditional Values: 'X' or blank This field must not be edited.
PRP_OBJECT	Proposed New Technical Object	Conditional Values: 'EQ', 'FL' or blank This field must not be edited.
~~NOT_REL~~	~~Not Relevant~~	~~Conditional~~ ~~Values: 'X' or blank~~
TGT_OBJECT	New Technical Object	Conditional Allowed Values: 'EQ', 'FL' User to populate same value as PRP_OBJECT if acceptable else assign appropriate allowed value.
TGT_TPLNR	New Functional Location	Conditional User to populate the Asset Functional Location value as per the target structure indicator edit mask if TGT_OBJECT = 'FL' Asset Layer (SAST) = 'XXXXXXNNNNNN' X = Unit (first letter) XXXX = Asset function 4-letter codes NNNNNN = Running Numbers Else Blank Note - The Edit Mask might change based on the final configuration
TGT_TPLMA	New Superior Functional Location	Conditional User to populate appropriate Category 'N' Functional Location value from the Functional Location Master DCT
~~BUS_VERF~~	~~Business Verified~~	~~Mandatory~~ ~~Allowed Values: 'Yes', 'No'~~ ~~User to populate 'Yes' if Legacy-Target mapping is acceptable.~~
ZREVIEW_STATUS	Review Status	Mandatory User to select appropriate value from drop down

</Start CR0283>

6**. ENR-Functional Location Master Data Construction Rules**

Data Element	Field Description	Rule
zLegacyTPLNR	Functional Location Label	Mandatory Values: Legacy Functional Location must exists in PF2/ WP2
EQART	Object Type	Conditional Allowed values from T370K to be populated.

EQFNR	Sort Field	Conditional Sort Field is used to store the Plant Tag ID. Sort Field + Maintenance Plant should be unique combination.
BEBER	Plant Section	Conditional Allowed values from T357 to be populated.
INGRP	Planner Group	Conditional Allowed values from T024I to be populated
GEWRK	Maintenance Work Center	Conditional Allowed values from Work Centre DCT to be populated.
zLegacyKOSTL	Cost Center	Conditional Allowed Values: maintained in R2R Cost Centre Value Mapping
SUBMT	Construction Type	Mandatory Allowed values from Assembly DCT to be populated
BRGEW	Weight of Object	Conditional Populate if information exists
GEWEI	Unit of Weight	Conditional User to populate unit value if BRGEW (Weight) has been maintained. Allowed values from T006 to be populated
NAME1	Name 1	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset
NAME2	Name 2	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset
NAME3	Name 3	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset
NAME4	Name 4	Conditional User to populate NAME1-4 fields with the Name and Location of the Asset

PLTXT_EN		Mandatory Guide for Description for Functional Location: A = Technical Object Type Description (in English language) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in English Language) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same English language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Description of Functional Location (English) Double Quotes
SPRAS_LC	Language Key_Local	Conditional User to populate Language Key based language of the Country where the Maintenance Plant exists. Allowed values: 1. "F" - French 2. "1" - Mandarin/Simplified Chinese 3. "I' - Italian 4. "P" - Portuguese/Brazilian 5. "D" - German 6. "S" - Spanish
PLTXT_LC	Description of Functional Location (Local Language)	Conditional Guide for Description for Functional Location: A = Technical Object Type Description (in Local Language of Plant) B = Asset Tag (Sort Field) C = Additional Description as provided by business (in language of the country in which each plant is located) Functional Location Description = A+B+C Cannot have duplicate records based on corresponding language text (2 Functional Locations cannot have the same English language key texts) Ensure that it does not include any of below characters: ; Semi-colon : Colon :: Double Colon ? Question Mark / Forward Slash @ At sign & Ampersand = Equal Sign + Plus Sign $ Dollar Sign % Percent | Vertical Bar [] Left or Right Square Bracket " Double Quotes

zLegacyPARNR_Z1	Partner (Asset Owner)	Conditional User to populate 'Z1' (Asset Owner) Vendor Business Partner for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X' Rule - For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated. For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated
zLegacyPARNR_Z2	Partner (Asset Maintainer)	Conditional User to populate 'Z2' (Asset Maintainer) Vendor Business Partner for Level 2 Category 'A' Functional Locations where 'Equipment Installation Is Allowed' field has not been assigned as 'X' Rule - For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated. For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated

</End CR0283>

Note: List of DCTs is maintained here: Conversion Specs Register (DCT & Cleansing Report)

Extraction Dependencies

Item #	Step Description	Team Responsible
Not Applicable		

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	In dspMigrate, select the wave – S4/HANA – Plant Maintenance	Syniti
3	Go to Process Area Launch and Process the Object – Functional Location	Syniti
4	Review and Validate Error and Preload Reports	Syniti
5	Execute the transformation to prepare the target tables	Syniti
6	Validate data from pre-load and error reports	Business/Data owner
7	Generate load files	Syniti

Transformation Rules

1. Functional Location Master Transformation Rule (ECC)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	For PF2 Functional Locations use Value Mapping: Functional Location (where ~~NOT_REL = Blank and~~ TGT_OBJECT = 'FL' or 'EQ' and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed') </Start CR0416> For WP2 Functional Locations - • Get Functional Location from (IFLOS-STRNO) where IFLOS-TPLNR = IFLOT-TPLNR and IFLOS-ACTVS = 'X' • Use Value Mapping: Functional Location (where ~~NOT_REL = Blank and~~ TGT_OBJECT = 'FL' or 'EQ' and ~~BUS_VERF = 'X'~~ ZREVIEW_STATUS = 'Completed' </End CR0416>
2	-	-	-	-	S/4 Hana	IFLOT	TPLKZ	Structure Indicator	Default to 'SAST'
3	-	-	-	-	S/4 Hana	IFLOT	FLTYP	Category	Default to 'A'
4	-	-	-	-	S/4 Hana	IFLOT	DATAB	Start-Up Date	If IEQUI (Equipment Installation Is Allowed) = Blank and and derived Target User Status for Functional Location from Functional Location User Status (STAT) Transformation Rules (ECC) is either of the below: 'COMM' (Commissioned) 'INSR' (In Service) 'OTSR' (Out of Service) 'SCRP' (Scrap) then assign the date as per Value mapping : OTH_Migration_Date Relevant Values A2D (where Object ID "1003" and Field Name = "IFLOT-INBDT". Else leave blank
5	PF2, WP2	IFLOT	EQART	Object Type	S/4 Hana	IFLOT	EQART	Object Type	Value mapping : Asset_Technical Object Type. Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
6	PF2, WP2	IFLOT	HERST	Manufacturer	S/4 Hana	IFLOT	HERST	Manufacturer	Direct Mapping
7	PF2, WP2	IFLOT	TYPBZ	Model Number	S/4 Hana	IFLOT	TYPBZ	Model Number	Direct Mapping
8	PF2, WP2	IFLOT	MAPAR	Manufacturer Part Number	S/4 Hana	IFLOT	MAPAR	Manufacturer Part Number	Direct Mapping
9	PF2, WP2	IFLOT	HERLD	Country /Region of Manufacture	S/4 Hana	IFLOT	HERLD	Country /Region of Manufacture	Direct Mapping
10	PF2, WP2	IFLOT	BAUJJ	Year of Construction	S/4 Hana	IFLOT	BAUJJ	Year of Construction	Direct Mapping
11	PF2, WP2	IFLOT	BAUMM	Month of Construction	S/4 Hana	IFLOT	BAUMM	Month of Construction	Direct Mapping
12	PF2, WP2	IFLOT	SERGE	Manufacturer Serial Number	S/4 Hana	IFLOT	SERGE	Manufacturer Serial Number	Direct Mapping
13	PF2, WP2	IFLOT	ANSWT	Acquisition Value	S/4 Hana	IFLOT	ANSWT	Acquisition Value	Direct Mapping
14	PF2, WP2	IFLOT	WAERS	Currency Key	S/4 Hana	IFLOT	WAERS	Currency Key	Direct Mapping
15	PF2, WP2	ILOA	SWERK	Maintenance Plant	S/4 Hana	ILOA	SWERK	Maintenance Plant	Value Mapping: Plant (Maintenance Plant = Yes)
16	PF2, WP2	ILOA	EQFNR	Sort Field	S/4 Hana	ILOA	EQFNR	Sort Field	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
17	PF2, WP2	ILOA	BEBER	Plant Section	S/4 Hana	IFLOT	BEBER	Plant Section	Value mapping : Plant Section. Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
18	-	-	-	-	S/4 Hana	IFLOT	ABCKZ	ABC Indicator	Derive the Indicator based on below logic - • Aggregate values for all Characteristics assigned (in Target CABN) to the Functional Location which are relevant for Asset Criticality Analysis i.e having Characteristic Group (CABN_ATKLA) with Characteristic Group Name (TCMGT_ATKLT) = 'Criticality Risk Scoring' • Derive ABC Indicator value by applying the below categorization on the aggregated value from the last step Value > 14500, then assign 'A' Value in Range 101 < 14500, then assign 'B' Value in Range 0 < 101, then assign 'C'

19	PF2, WP2	IFLOT	INGRP	Planner Group	S/4 Hana	ILOA	INGRP	Planner Group	Value mapping : Maintenance Planner Group Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
20	PF2, WP2	ILOA	IWERK	Planning Plant	S/4 Hana	IFLOT	IWERK	Planning Plant	Value Mapping: Plant (Maintenance Plant = Yes)
21	PF2, WP2	IFLOT	GEWRK	Maintenance Work Center	S/4 Hana	IFLOT	GEWRK	Maintenance Work Center	Value mapping : Work Center A2D Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
22	PF2, WP2	IFLOT	WERGW	Work Center Plant	S/4 Hana	IFLOT	WERGW	Work Center Plant	Value Mapping: Plant (Maintenance Plant = Yes)
23	-	-	-	-	S/4 Hana	ILOA	BUKRS	Company Code	Derive the Company code from table 'T001K' where Target IFLOT_SWERK (Maintenance Plant) = T001K_BWKEY
24	PF2, WP2	ILOA	KOSTL	Cost Center	S/4 Hana	ILOA	KOSTL	Cost Center	Overwrite with ENR-Functional Location DCT if provided (as part of enrichment). Value Mapping : Cost Center
25	-	-	-	-	S/4 Hana	ILOA	TPLMA	Superior Functional Location	Derive the TPLMA from TGT_TPLNR as per Value Mapping: Functional Location (using zLegacyTPLNR = ECC TPLNR)
26	-	-	-	-	S/4 Hana	ILOA	IEQUI	Equipment Installation Is Allowed	Derive based on Value Mapping: Functional Location. If EQUIP_EXIST = 'X' and TGT_OBJECT='FL', where TPLNR = zLegacyTPLNR, then assign 'X' , else '' Blank
27	PF2, WP2	IFLOT	SUBMT	Construction Type	S/4 Hana	ILOA	SUBMT	Construction Type	Overwrite with ENR-Functional Location DCT if provided (as part of enrichment) Value Mapping : Assembly and Construction Type
28	-	-	-	-	S/4 Hana	ILOA	KOKRS	Controlling Area	Default to 'CO01' (SYSQ Controlling Area)
29	PF2, WP2	IFLOT	BRGEW	Weight of Object	S/4 Hana	IFLOT	BRGEW	Weight of Object	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
30	PF2, WP2	IFLOT	GEWEI	Unit of Weight	S/4 Hana	IFLOT	GEWEI	Unit of Weight	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
31	PF2, WP2	ADRC	NAME1	Name 1	S/4 Hana	ADRC	NAME1	Name 1	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
32	PF2, WP2	ADRC	NAME2	Name 2	S/4 Hana	ADRC	NAME2	Name 2	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
33	PF2, WP2	ADRC	NAME3	Name 3	S/4 Hana	ADRC	NAME3	Name 3	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
34	PF2, WP2	ADRC	NAME4	Name 4	S/4 Hana	ADRC	NAME4	Name 4	Direct Mapping Overwrite with ENR-Functional Location DCT if provided (as part of enrichment)
35	-	-	-	-	S/4 Hana	ADRC	COUNTRY	Country /Region Key	Derive Country/ Region from Table T001W where Target SWERK (Maintenance Plant) = T001K_WERKS

2. Functional Location Master Transformation Rule (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOT	TPLKZ	Structure Indicator	Derive based on logic: If FLTYP = 'O' then TPLKZ = 'SORG' If FLTYP = 'N' then TPLKZ = 'SNAV' If FLTYP = 'A' then TPKLZ = 'SAST'
3	DCT	IFLOT	FLTYP	Category	S/4 Hana	IFLOT	FLTYP	Category	Direct Mapping

4	-	-	-	-	S/4 Hana	IFLOT	DATAB	Start-Up Date	If FLTYP = 'O' or 'N' then INBDT = ' ' (Blank) Else For FLTYP = 'A' If IEQUI (Equipment Installation Is Allowed) = Blank and derived Target User Status for Functional Location from Functional Location User Status (STAT) Transformation Rules (ECC) is either of the below: 'COMM' (Commissioned) 'INSR' (In Service) 'OTSR' (Out of Service) 'SCRP' (Scrap) then assign the date as per Value mapping : OTH_Migration_Date Relevant Values A2D (where Object ID "1003" and Field Name = "IFLOT-INBDT". Else leave blank
5	DCT	IFLOT	EQART	Object Type	S/4 Hana	IFLOT	EQART	Object Type	Direct Mapping
6	DCT	IFLOT	HERST	Manufacturer	S/4 Hana	IFLOT	HERST	Manufacturer	Direct Mapping
7	DCT	IFLOT	TYPBZ	Model Number	S/4 Hana	IFLOT	TYPBZ	Model Number	Direct Mapping
8	DCT	IFLOT	MAPAR	Manufacturer Part Number	S/4 Hana	IFLOT	MAPAR	Manufacturer Part Number	Direct Mapping
9	DCT	IFLOT	HERLD	Country /Region of Manufacture	S/4 Hana	IFLOT	HERLD	Country /Region of Manufacture	Direct Mapping
10	DCT	IFLOT	BAUJJ	Year of Construction	S/4 Hana	IFLOT	BAUJJ	Year of Construction	Direct Mapping
11	DCT	IFLOT	BAUMM	Month of Construction	S/4 Hana	IFLOT	BAUMM	Month of Construction	Direct Mapping
12	DCT	IFLOT	SERGE	Manufacturer Serial Number	S/4 Hana	IFLOT	SERGE	Manufacturer Serial Number	Direct Mapping
13	DCT	IFLOT	ANSWT	Acquisition Value	S/4 Hana	IFLOT	ANSWT	Acquisition Value	Direct Mapping
14	DCT	IFLOT	WAERS	Currency Key	S/4 Hana	IFLOT	WAERS	Currency Key	Direct Mapping
15	DCT	IFLOT	SWERK	Maintenance Plant	S/4 Hana	IFLOT	SWERK	Maintenance Plant	Direct Mapping
16	DCT	IFLOT	EQFNR	Sort Field	S/4 Hana	IFLOT	EQFNR	Sort Field	Direct Mapping
17	DCT	IFLOT	BEBER	Plant Section	S/4 Hana	IFLOT	BEBER	Plant Section	Direct Mapping
18	-	-	-	-	S/4 Hana	IFLOT	ABCKZ	ABC Indicator	Derive the Indicator based on below logic - • Aggregate values for all Characteristics assigned (in Target CABN) to the Functional Location which are relevant for Asset Criticality Analysis i.e having Characteristic Group (CABN_ATKLA) with Characteristic Group Name (TCMGT_ATKLT) = 'Criticality Risk Scoring' • Derive ABC Indicator value by applying the below categorization on the aggregated value from the last step Value > 14500, then assign 'A' Value in Range 101 < 14500, then assign 'B' Value in Range 0 < 101, then assign 'C'
19	DCT	IFLOT	INGRP	Planner Group	S/4 Hana	ILOA	INGRP	Planner Group	Direct Mapping
20	-	-	-	-	S/4 Hana	IFLOT	IWERK	Planning Plant	Copy the same value as Target SWERK (Maintenance Plant)
21	DCT	IFLOT	GEWRK	Maintenance Work Center	S/4 Hana	IFLOT	GEWRK	Maintenance Work Center	Direct Mapping
22	-	-	-	-	S/4 Hana	IFLOT	WERGW	Work Center Plant	Copy the same value as Target SWERK (Maintenance Plant)
23	-	-	-	-	S/4 Hana	ILOA	BUKRS	Company Code	Derive the Company code from table 'T001K' where Maintenance Plant populated in DCT = T001K_BWKEY
24	DCT	ILOA	zLegacyKOSTL	Cost Center	S/4 Hana	ILOA	KOSTL	Cost Center	Value mapping : Cost Center
25	DCT	IFLOT	TPLMA	Superior Functional Location	S/4 Hana	ILOA	TPLMA	Superior Functional Location	Direct Mapping
26	-	-	-	-	S/4 Hana	ILOA	IEQUI	Equipment Installation Is Allowed	Default to 'X'
27	DCT	IFLOT	SUBMT	Construction Type	S/4 Hana	ILOA	SUBMT	Construction Type	Value Mapping :Assembly and Construction Type
28	-	-	-	-	S/4 Hana	ILOA	KOKRS	Controlling Area	Default to 'CO01' (SYSQ Controlling Area)
29	DCT	IFLOT	BRGEW	Weight of Object	S/4 Hana	IFLOT	BRGEW	Weight of Object	Direct Mapping

30	DCT	IFLOT	GEWEI	Unit of Weight	S/4 Hana	IFLOT	GEWEI	Unit of Weight	Direct Mapping
31	DCT	ADRC	NAME1	Name 1	S/4 Hana	ADRC	NAME1	Name 1	Direct Mapping
32	DCT	ADRC	NAME2	Name 2	S/4 Hana	ADRC	NAME2	Name 2	Direct Mapping
33	DCT	ADRC	NAME3	Name 3	S/4 Hana	ADRC	NAME3	Name 3	Direct Mapping
34	DCT	ADRC	NAME4	Name 4	S/4 Hana	ADRC	NAME4	Name 4	Direct Mapping
35	-	-	-	-	S/4 Hana	ADRC	COUNTRY	Country /Region Key	Derive Country/ Region from Table T001W where Target SWERK (Maintenance Plant) = T001K_WERKS

3. Functional Location Short Text Transformation Rule (ECC)

</Start CR0283>

Rule #	~~Source system~~	~~Source Table~~	~~Source Field~~	~~Source Description~~	~~Target System~~	~~Target Table~~	~~Target Field~~	~~Target Description~~	~~Transformation Logic~~
1	~~PF2, WP2~~	~~IFLOT~~	~~TPLNR~~	~~Legacy Functional Location Label~~	~~S/4 Hana~~	~~IFLOT~~	~~TPLNR~~	~~Functional Location~~	~~Value Mapping: Functional Location (where NOT_REL = Blank)~~
2	~~PF2, WP2~~	~~IFLOTX~~	~~SPRAS~~	~~Language Key~~	~~S/4 Hana~~	~~IFLOTX~~	~~SPRAS~~	~~Language Key~~	~~Direct Mapping~~
3	~~PF2, WP2~~	~~IFLOTX~~	~~PLTXT~~	~~Description of Functional Location~~	~~S/4 Hana~~	~~IFLOTX~~	~~PLTXT~~	~~Description of Functional Location~~	~~Direct Mapping~~ ~~Overwrite with ENR Functional Location DCT if provided (as part of enrichment)~~

For Legacy entries where SPRAS = 'E'

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Value Mapping: Functional Location (where NOT_REL = Blank)
2	PF2, WP2	IFLOTX	SPRAS	Language Key	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'E'
3	ENR_DCT	IFLOTX	PLTXT	Description of Functional Location	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping from PLTXT_EN from ENR-Functional Location DCT if provided (as part of enrichment)

UNION

For Legacy entries where SPRAS = Local language of the Plant associated to the Functional Location. Only add a record if the local language is not english

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Value Mapping: Functional Location (where NOT_REL = Blank)
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 SWERK (Maintenance Plant) = T001W-WERK
3	ENR_DCT	IFLOTX	PLTXT	Description of Functional Location	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping from PLTXT_LC from ENR-Functional Location DCT if provided (as part of enrichment)

Note : Legacy entries to be filtered for SPRAS = 'E' and the Local language of the Plant associated to the Functional Location.

</End CR0283>

4. Functional Location Short Text Transformation Rule (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'E'
3	DCT	IFLOTX	PLTXT_EN	Description of Functional Location (English)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

</Start CR0283>

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 Label~~	~~S/4 Hana~~	~~IFLOT~~	~~TPLNR~~	~~Functional Location~~	~~Direct Mapping~~
2	~~DCT~~	~~IFLOTX~~	~~SPRAS_LC~~	~~Language Key~~	~~S/4 Hana~~	~~IFLOTX~~	~~SPRAS~~	~~Language Key~~	~~Direct Mapping~~
3	~~DCT~~	~~IFLOTX~~	~~PLTXT_LC~~	~~Description of Functional Location (Local Language of Plant)~~	~~S/4 Hana~~	~~IFLOTX~~	~~PLTXT~~	~~Description of Functional Location~~	~~Direct Mapping~~

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'F'
3	DCT	IFLOTX	PLTXT_FR	Description of Functional Location (French)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'I'
3	DCT	IFLOTX	PLTXT_IT	Description of Functional Location (Italian)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to '1'
3	DCT	IFLOTX	PLTXT_ZH	Description of Functional Location (Mandarin)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'P'
3	DCT	IFLOTX	PLTXT_PT	Description of Functional Location (Brazilian Portuguese)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'D'
3	DCT	IFLOTX	PLTXT_DE	Description of Functional Location (German)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IFLOTX	SPRAS	Language Key	Default to 'S'

3	DCT	IFLOTX	PLTXT_ES	Description of Functional Location (French)	S/4 Hana	IFLOTX	PLTXT	Description of Functional Location	Direct Mapping

</End CR0283>

5a. Functional Location Classification Transformation Rule (ECC) - KSSK

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Value Mapping: Functional Location (where NOT_REL = Blank)
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	PF2, WP2	KSSK	CLASS	Class Name	S/4 Hana	KSSK	CLASS	Class Name	</Start CR0283> ~~Value mapping : Class A2D~~ Default below Classes : • 'EAM_9999' ; and • Class having naming convention = EAM_<TOT> (Tech Object Type) of the Floc </End CR0283>

5b. Functional Location Classification Transformation Rule (ECC) - AUSP

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	CABN	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATNAM	Characteristic Name	Step1- Use Value mapping: Characteristic A2D (Staging) to get the Staging Characteristic; Step2 - Use Value mapping: Characteristic A2D to get the Target Characteristic
2	</Start CR0283>								
3	-	-	-	-	S/4 Hana	KSSK	CLASS	Class Name	Derive CLASS from the Class-Characteristic Assignment DCT based on the S4 Characteristic (ATNAM)
4	</End CR0283>								
5	PF2, WP2	AUSP	ADZHL	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping
6	PF2, WP2	AUSP	ATFLV	Numerical Value - From	S/4 Hana	AUSP	ATFLV	Numerical Value - From (Floating Point)	Convert existing Legacy value to Float
7	PF2, WP2	AUSP	ATFLB	Numerical Value - To	S/4 Hana	AUSP	ATFLB	Numerical Value - To (Floating Point)	Convert existing Legacy value to Float
8	PF2, WP2	AUSP	ATFLV	Date Interval - From	S/4 Hana	AUSP	DATE_FROM	Lower Boundary for Date - Interval	Convert existing Legacy value to Float
9	PF2, WP2	AUSP	ATFLB	Date Interval - To	S/4 Hana	AUSP	DATE_TO	Upper Boundary for Date - Interval	Convert existing Legacy value to Float
10	PF2, WP2	AUSP	ATFLV	Time Interval - From	S/4 Hana	AUSP	TIME_FROM	Lower Boundary for Time - Interval	Convert existing Legacy value to Float
11	PF2, WP2	AUSP	ATFLB	Time Interval - To	S/4 Hana	AUSP	TIME_TO	Upper Boundary for Time - Interval	Convert existing Legacy value to Float
12	PF2, WP2	AUSP	ATFLV	Currency Value - From	S/4 Hana	AUSP	ATFLV	Currency Value - From (Floating Point)	Convert existing Legacy value to Float
13	PF2, WP2	AUSP	ATFLB	Currency Value - To	S/4 Hana	AUSP	ATFLB	Currency Value - To (Floating Point)	Convert existing Legacy value to Float
14	PF2, WP2	AUSP	ATWRT	Characteristic Value	S/4 Hana	AUSP	ATWRT	Characteristic Value	Direct Mapping

6. Functional Location Classification Transformation Rule (DCT)

Only get the records where Characteristics with Data Type = CHAR

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

1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASS	Class Name	Direct Mapping
5	DCT	AUSP	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATNAM	Characteristic Name	Value Mapping: Characteristic A2D
6	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	ATWRT	Characteristic Value	Direct Mapping
7	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping

Only get the records where Characteristics with Data Type = CURR

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASS	Class Name	Direct Mapping
5	DCT	AUSP	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATNAM	Characteristic Name	Direct Mapping
6	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	ATFLV	Characteristic Value (From)	If range: values concatenated using " - ", derive the value before " - ". Otherwise, direct mapping.
7	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	ATFLB	Characteristic Value (To)	If range: values concatenated using " - ", derive the value after " - ". Otherwise, direct mapping.
8	-	-	-	-	S/4 Hana	AUSP	CURRENCY	Currency Key	Derive from Currency Key of the Characteristics
9	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping

Only get the records where Characteristics with Data Type = DATE

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	INOB	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASS	Class Name	Direct Mapping
5	DCT	AUSP	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATNAM	Characteristic Name	Direct Mapping
6	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	DATE_FROM	Characteristic Value (From)	If range: values concatenated using " - ", derive the value before " - ". Otherwise, direct mapping.
7	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	DATE_TO	Characteristic Value (To)	If range: values concatenated using " - ", derive the value after " - ". Otherwise, direct mapping.
8	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping

Only get the records where Characteristics with Data Type = NUM

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASS	Class Name	Direct Mapping
5	DCT	AUSP	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATNAM	Characteristic Name	Direct Mapping

6	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	ATFLV	Characteristic Value (From)	If range: values concatenated using " - ", derive the value before " - ". Otherwise, direct mapping.
7	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	ATFLB	Characteristic Value (To)	If range: values concatenated using " - ", derive the value after " - ". Otherwise, leave blank.
8	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping

Only get the records where Characteristics with Data Type = TIME

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	KSSK	KLART	Class Type	Default to '003'
3	-	-	-	-	S/4 Hana	KSSK	OBTAB	Name of Database Table for Object	Default to 'IFLOT'
4	DCT	KSSK	CLASSNUM	Class Name	S/4 Hana	KSSK	CLASS	Class Name	Direct Mapping
5	DCT	AUSP	ATNAM	Characteristic Name	S/4 Hana	AUSP	ATINN	Characteristic Name	Direct Mapping
6	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	TIME_FROM	Characteristic Value (From)	If range: values concatenated using " - ", derive the value before " - ". Otherwise, direct mapping.
7	DCT	AUSP	ATWRT	Characteristic Value	S/4 Hana	CAWN	TIME_TO	Characteristic Value (To)	If range: values concatenated using " - ", derive the value after " - ". Otherwise, direct mapping.
8	DCT	AUSP	POSNR	Item Number	S/4 Hana	AUSP	POSNR	Item Number	Direct Mapping

7. Functional Location Partner Transformation Rule (ECC)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IHPA	OBTYP	Object Type	Default to 'IFL'
3	-	-	-	-	S/4 Hana	IHPA	PARVW	Partner Function	Default to 'Z1' (Asset Owner)
4	ENR_DCT	IHPA	zLegacyPARNR_Z1	Partner (Asset Owner)	S/4 Hana	IHPA	PARNR	Partner	Overwrite with ENR-Functional Location DCT if provided (as part of enrichment). Value mapping : Vendor Number

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IHPA	OBTYP	Object Type	Default to 'IFL'
3	-	-	-	-	S/4 Hana	IHPA	PARVW	Partner Function	Default to 'Z2' (Asset Maintainer)
4	ENR_DCT	IHPA	zLegacyPARNR_Z2	Partner (Asset Maintainer)	S/4 Hana	IHPA	PARNR	Partner	Overwrite with ENR-Functional Location DCT if provided (as part of enrichment) Value mapping : Vendor Number

7a. Functional Location Partner Transformation Rule (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IHPA	OBTYP	Object Type	Default to 'IFL'

3	-	-	-	-	S/4 Hana	IHPA	PARVW	Partner Function	Default to 'Z1' (Asset Owner)
4	DCT	IHPA	zLegacyPARNR_Z1	Partner (Asset Owner)	S/4 Hana	IHPA	PARNR	Partner	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Direct Mapping
2	-	-	-	-	S/4 Hana	IHPA	OBTYP	Object Type	Default to 'IFL'
3	-	-	-	-	S/4 Hana	IHPA	PARVW	Partner Function	Default to 'Z2' (Asset Maintainer)
4	DCT	IHPA	zLegacyPARNR_Z2	Partner (Asset Maintainer)	S/4 Hana	IHPA	PARNR	Partner	Direct Mapping

8. Functional Location User Status Transformation Rules (ECC)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	IFLOT	TPLNR	Functional Location	Value Mapping: Functional Location (where NOT_REL = Blank)
3	-	-	-	-	S/4 Hana	JSTO	STSMA	Status profile of the functional location	Default to 'ZEAMFL01'
4	PF2, WP2	JEST	STAT	Status Number in User Status List	S/4 Hana	JEST	STAT	Status Number in User Status List	Value Mapping : User Status Functional Location. For legacy values in the value mapping, where there is 1: many entries, add additional record in the target for the functional location
5	-	-	-	-	S/4 Hana	JEST	INACT	Indicator: Status Is Inactive	Default to '' (Blank)

Note: Filter on TJ30T for Status Profiles with ESTAT starting with E*.

9. Functional Location User Status Transformation Rules (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	Staging	IFLOT	TPLNR	Functional Location Number	Direct Mapping
2	-	-	-	-	S/4 Hana	JSTO	STSMA	Status profile of the functional location	Default to 'ZEAMFL01'
3	DCT	JEST	STAT_N1	Sequential Status in the User Status Profile	S/4 Hana	JEST	STAT	Status Number in User Status List	Default 'PLAN' for Category 'O' and 'N' For Category 'A': Direct Mapping. If blank, default to 'PLAN'
4	-	-	-	-	S/4 Hana	JEST	INACT	Indicator: Status Is Inactive	Default to '' (Blank)

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	Staging	IFLOT	TPLNR	Functional Location Number	Direct Mapping
2	-	-	-	-	S/4 Hana	JSTO	STSMA	Status profile of the functional location	Default to 'ZEAMFL01'
3	DCT	JEST	STAT_X1	Non-Sequential Status in the User Status Profile - EXHZ (Extremely Hazardous)	S/4 Hana	JEST	STAT	Status Number in User Status List	Default Blank for Category 'O' and 'N' For Category 'A': Direct Mapping

4	-	-	-	-	S/4 Hana	JEST	INACT	Indicator: Status Is Inactive	Default to '' (Blank)

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	Staging	IFLOT	TPLNR	Functional Location Number	Direct Mapping
2	-	-	-	-	S/4 Hana	JSTO	STSMA	Status profile of the functional location	Default to 'ZEAMFL01'
3	DCT	JEST	STAT_X2	Non-Sequential Status in the User Status Profile - MTNA (Maintenance Not Allowed)	S/4 Hana	JEST	STAT	Status Number in User Status List	Default to 'MNTA' (Maintenance Not Allowed) for Category 'O' and 'N' For Category 'A': Direct Mapping
4	-	-	-	-	S/4 Hana	JEST	INACT	Indicator: Status Is Inactive	Default to '' (Blank)

10. Functional Location Long Text Header (ECC)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 Hana	STXH	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Value Mapping: Functional Location (where NOT_REL = Blank)
3	-	-	-	-	S/4 Hana	STXH	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXH	TDSPRAS	Language Key	S/4 Hana	STXH	TDSPRAS	Language Key	Direct Mapping

Note: Only the records marked as Cleansed in Inclusion-FL Long Text will be migrated

11. Functional Location Long Text Header (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 Hana	STXH	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Direct Mapping
3	-	-	-	-	S/4 Hana	STXH	TDID	Text ID	Default to 'LTXT'
4	DCT	STXH	TDSPRAS	Language Key	S/4 Hana	STXH	TDSPRAS	Language Key	Default to 'E'

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 Hana	STXH	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Direct Mapping
3	-	-	-	-	S/4 Hana	STXH	TDID	Text ID	Default to 'LTXT'
4	DCT	STXH	TDSPRAS_LC	Language Key	S/4 Hana	STXH	TDSPRAS	Language Key	Direct Mapping

12. Functional Location Long Text Line (ECC)

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

1	-	-	-	-	S/4 Hana	STXL	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	PF2, WP2	IFLOT	TPLNR	Legacy Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Value Mapping: Functional Location (where NOT_REL = Blank)
3	-	-	-	-	S/4 Hana	STXL	TDID	Text ID	Default to 'LTXT'
5	PF2, WP2	STXH	TDSPRAS	Language Key	S/4 Hana	STXL	TDSPRAS	Language Key	Direct Mapping
6	-	-	-	-	S/4 Hana	STXL	TDFORMAT	Tag column	Default to "*"
7	PF2, WP2	STXL	ROWCOUNT	Row Number	S/4 Hana	STXL	ROWCOUNT	Row Number	Direct Mapping
8	PF2, WP2	STXL	TDLINE	Text Line	S/4 Hana	STXL	TDLINE	Text Line	Direct Mapping </Start CR0416> Convert to Upper Case </End CR0416>

Note: Only the records marked as Cleansed in Inclusion-FL Long Text will be migrated

13. Functional Location Long Text Line (DCT)

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 Hana	STXH	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Direct Mapping
3	-	-	-	-	S/4 Hana	STXH	TDID	Text ID	Default to 'LTXT'
4	DCT	STXH	TDSPRAS	Language Key	S/4 Hana	STXH	TDSPRAS	Language Key	Default to 'E'
5	-	-	-	-	S/4 Hana	STXL	TDFORMAT	Tag column	Default to "*"
</Start CR0416>									
6	-	-	-	-	S/4 Hana	STXL	ROWCOUNT	Row Number	For each 132-character string generated, create a separate target row and increment the row number by 1 in sequence until the complete text is split.
7	DCT	STXL	TDLINE_EN	Text Line	S/4 Hana	STXL	TDLINE	Text Line	~~Direct Mapping~~ Convert to Upper Case Split the DCT long text into consecutive 132-character strings. For each 132-character string generated, create a separate target row and increment the row counter by 1 in sequence until the complete text is split.
</End CR0416>									

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 Hana	STXH	TDOBJECT	Texts: application object	Default to 'IFLOT'
2	DCT	IFLOT	zLegacyTPLNR	Functional Location Label	S/4 Hana	STXH	TDNAME	Name	Direct Mapping
3	-	-	-	-	S/4 Hana	STXH	TDID	Text ID	Default to 'LTXT'
4	DCT	STXH	TDSPRAS_LC	Language Key	S/4 Hana	STXH	TDSPRAS	Language Key	Direct Mapping
5	-	-	-	-	S/4 Hana	STXL	TDFORMAT	Tag column	Default to "*"
</Start CR0416>									
6	-	-	-	-	S/4 Hana	STXL	ROWCOUNT	Row Number	For each 132-character string generated, create a separate target row and increment the row number by 1 in sequence until the complete text is split.

7	DCT	STXL	TDLINE_LC	Text Line	S/4 Hana	STXL	TDLINE	Text Line	~~Direct Mapping~~ Convert to Upper Case Split the DCT long text into consecutive 132-character strings. For each 132-character string generated, create a separate target row and increment the row counter by 1 in sequence until the complete text is split.
</End CR0416>									

Note: For all relevant fields Data Origin will be defaulted to 'Individual Maintenance'

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

Transformation Mapping

Mapping Table Name	Mapping Table Description
OTH_Migration_Date Relevant Values A2D	Dates to be defaulted for A2D objects for each Migration Cycle
Assembly and Construction Type	Mapping of legacy Assembly / Construction Type to new Assembly / Construction Type
Characteristic A2D (Staging)	Old to Staging Characteristic A2D
Characteristic A2D	Old to New Characteristic A2D
Class A2D	Old to New Class A2D
Cost Centre	Old to New Cost Center
Functional Location	List of relevant Asset Functional Locations slated for migration, including the Target Technical Object. This will also be used for Old to New Functional Location Mapping
Maintenance Planner Group	Old to New Planner Group
Plant	Old Plant to New Plant
Plant Section	Old to new Plant Section
Technical Object Type	Old to new Technical Object Type
User Status Function Location	Old to New Functional Location User Status
Vendor Number	LIFNR: Old Vendor Code to New Vendor Code
Work Centre A2D	Old to new Work Centre A2D
</Start CR0282>	
~~OTH_Technical Object Type_APM~~	~~List of Functional Location and Equipment TOTs required for migrating historical Measurement Documents and Notifications~~
~~OTH_Plant_APM~~	~~List of Plants required for migrating historical Measurement Documents and Notifications~~
</End CR0282>	

List of Transformation Mappings with additional details is maintained here: Transformation Mappings

Transformation Dependencies

List the steps that need to occur before transformation can commence

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

Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Record Count	SyWay A2D Data Team to verify that the total number of relevant records from the source systems and/or the DCT is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	SyWay A2D 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 Data Owner/s to verify that the total number of relevant records from the source systems and/or the DCT 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 the data in the load table/file is accurate as per endorsed transformation/mapping rules (and signed-off DCT data).

Load

The load process includes:

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

Load Run Sheet

Item #	Step Description	Team Responsible
1	Ensure 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 : 1003 Functional Location

Pre-Cutover : 1003a Functional Location Classification

Pre-Cutover : 1003b Functional Location User Status

Pre-Cutover : 1003c Functional Location Long Text

Pre-Cutover : 1003d Functional Location Partner Assignment

Note: A separate load program may need to be created for 1003b, 1003c, 1003d if these become a risk to the actual cutover and need to be removed from the critical path. This will be evaluated post Mock 1

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
11	TPAR - Business Partner: Functions
12	T002 - Language Keys

Conversion Objects

Object #	Preceding Object Conversion Approach
1006	Work Centre
1074	Cost Center
1010	PM Assembly/ Construction Types
1015	Characteristics
1009	Class

3018	Business Partner - FI Vendor (FLVN00)

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 category	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 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 Partner Function	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Language Key	Engage Functional team to expedite and fix the error in the system
Invalid Data	Invalid Work Centre	Expedite whether the master data is changed in the system
Invalid Data	Invalid Cost Center	Expedite whether the master data is changed in the system
Invalid Data	Invalid Construction Type	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 Characteristics	Expedite whether the master data is changed in the system
Invalid Data	Invalid Vendor Business Partner	Expedite whether the master data is changed in the system

Post-Load Validation

Project Team

Completeness

Task	Action
Verify Count	SyWay A2D 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	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.
- Data cleansing has met the required percentage threshold for the specified mock cycle and all preparation activities have been completed.
- Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules
- For Category 'A' Functional Location, if User Status is 'Blank', it will be defaulted 'PLAN' User Status. Cat 'O' and 'N' will be populated with both 'PLAN' and 'MTNA' statuses only.
- For legacy Functional Locations existing at a higher level (GBU, Plant etc) and having a Notification/ Work Order/ Maintenance Item associated, Business would review and apply one of the following option -
    - Cleanse in legacy i.e re-assign the Notification/ Work Order/ Maintenance Item to a Asset Level Functional Location
    - Create the legacy Functional Location as a Asset Level Functional Location in Target
    - Map the legacy Functional Location to a existing Asset Level Functional Location in Target
- Any Functional Location relevant for Asset Integration shall be migrated as Equipment and flagged in the Functional Location Mapping.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 441)	**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.			

Workflow history

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

Apr 28, 2026	Actor	Type	Activity	Version
Approved	TAN-ext, Charmaine	State	changed state to Approved at 7:34 am (State override) *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	v441
Lead Approval	TAN-ext, Charmaine	State	gave *Minor change* approval at 7:34 am *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	
Apr 22, 2026				
	MOUSSA-ext, Eva	State	changed expiry date to '29 Apr, 2026 07:31 am' at 7:31 am	
		State	changed state to Lead Approval at 7:31 am	v441
Tech Review	MOUSSA-ext, Eva	State	gave *Syniti Team Review* approval at 7:31 am *v.441*	
		State	changed expiry date to '27 Apr, 2026 07:30 am' at 7:30 am	
		State	changed state to Tech Review at 7:30 am *v.441*	v441
Pending adjustment	MOUSSA-ext, Eva	State	changed state to Pending adjustment at 7:30 am	v441