

# CNV-1002 Equipment

|              |                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Approved                                                                                                                                                                              |
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## Purpose

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

In SAP Plant Maintenance (SAP S/4HANA EAM), a piece of equipment is an individual object that is to be maintained independently. Each piece of equipment is managed independently in the system, so that you can:

- Manage individual data from a maintenance perspective for the object
- Perform individual maintenance tasks for the object
- Keep a record of the maintenance tasks performed for the object
- Collect and evaluate data over a long period of time for the object

As per Syensqo's design, all maintainable asset will be represented by Equipment, with the exception where the asset is maintained by Syensqo but not owned, in which case the asset will be migrated as a Functional Location.

## Conversion Scope

The scope of this document covers the approach for creation of Equipment in S/4HANA following the Equipment Master Data Design Standard.

In Syensqo's SAP S/4HANA landscape, Equipment is used to define an individual asset or a sub-component of an asset. Each Equipment record represents a maintainable unit, serving as a critical master data for executing maintenance and work management processes. An Equipment is defined based on its construction and a defined maintenance strategy is followed by to ensure its Reliability and sustainability.

An Equipment is only created when there is a defined maintenance strategy defined for it and a criticality derived from Risk Assessment process.

Depending on its installation context, Equipment is categorized by a user status to define its current state in its lifecycle from Planning to Retire. Every piece of Equipment that is in service is installed at a relevant superior Asset Functional Location or superior Equipment, ensuring its position within the asset hierarchy is clearly defined.

This structured approach supports efficient maintenance planning, traceability, and lifecycle management of assets across Syensqo's operations.

Conversion from legacy will adopt a hybrid method: Extraction and DCT for migration.

- Extraction to include all active installed Equipment
- Data Construct Template to capture -
  - Relevant Functional Locations identified for migration as Equipment as specified in Functional Location CS.
  - Relevant Assembly materials linked to the below objects, as confirmed by the Business, for migration as Equipment.
    - Maintenance Item (Assembly field)
    - Maintenance Item (Object List for Material)
    - Task List Operation (Assembly)
    - Notification (Assembly field)
    - Work Order (Assembly field)
    - Work Order (Object List for Material)
    - Equipment (Construction Type)

Equipment in Syensqo to-be asset structure will be positioned under the Category 'A' (Asset) Functional Location and will comprise of 2 levels.

| Level             | Technical Object | Function/ Meaning                                     |
|-------------------|------------------|-------------------------------------------------------|
| Equipment Level 1 | Equipment        | Maintainable Item / Class (Primary maintainable unit) |
| Equipment Level 2 | Equipment        | Maintainable Item / Component (sub-equipment)         |

Note: Please refer CNV-1003 Function Location for details on the Functional Location Asset Level conversion.

The data from legacy system includes:

- Equipment (EQUI-EQUNR) having
  - Maintenance Plant (ILOA-SWERK) in scope (Value Mapping : Plant, where Maintenance Plant = 'Yes')
  - System Status (JEST-STAT) = Installed 'INST' or Allocated to superior equipt 'ASEQ'
- Equipment (EQUI-EQUNR) as part of Inclusion List (INC-Equipment). For e.x Equipment relevant for Asset Integration.
- Equipment Long Text in Inclusion-EQ Long Text

The data from legacy system excludes:

- Equipment (EQUI-EQUNR) with System Status (JEST-STAT) = Inactive 'INAC'
- Equipment (EQUI-EQUNR) with System Status (JEST-STAT) = Deletion Flag 'DLFL'
- Equipment (EQUI-EQUNR) with System Status (JEST-STAT) = In the warehouse 'ESTO'
- Equipment (EQUI-EQUNR) with System Status (JEST-STAT) = Available 'AVLB'
- Equipment (EQUI-EQUNR) with Serial Number (EQUI-SERNR) <> " (BLANK)
- Equipment (EQUI-EQUNR) part of Exclusion List (EXC-Equipment)

List of Tables to extract for this object is maintained here: [Extract Table Register](#).

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 Equipment will be extracted from PF2 and WP2                                                                                                                                                                                                                           | 400,000                      | S/4HANA       | 400,000                      |
| DCT      | Functional Location to be migrate as Equipment as part of mapping (Functional Location, where <i>New Technical Object</i> = 'EQ')<br><br>An initial extract of the relevant Functional Locations will be provided in google sheet format to assist business in decision making. | TBD                          | S/4HANA       | TBD                          |
| DCT      | Assembly to be created as Equipment based on Info reports extract of the relevant Assemblies. The reports will be provided in google sheet format to assist business in decision making.                                                                                        | TBD                          | S/4HANA       | TBD                          |
| DCT      | Equipment for plants which do not have data existing from PF2 and WP2                                                                                                                                                                                                           | TBD                          | S/4HANA       | TBD                          |

## Additional Information

### Multi-language Requirement

Equipment description will be made available in English.

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

### Document Management

Refer to the [KDD085 - Document Management in the SyWay Solution](#)

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

### Legal Requirement

Not Applicable

### Special Requirements

Not Applicable

#### Scope

## Target Design

The technical design of the target for this conversion approach.

### 1. Equipment Master

| Table | Field | Data Element | Field Description     | Data Type | Length | Requirement         |
|-------|-------|--------------|-----------------------|-----------|--------|---------------------|
| EQUI  | EQUNR | EQUNR        | Equipment Number      | CHAR      | 18     | System<br>Key Field |
| EQUI  | EQTYP | EQTYP        | Equipment Category    | CHAR      | 1      | Mandatory           |
| EQUI  | EQART | EQART        | Technical Object Type | CHAR      | 10     | Mandatory           |

|      |         |         |                                        |      |    |             |
|------|---------|---------|----------------------------------------|------|----|-------------|
| EQUI | BRGEW   | BRGEW   | Weight                                 | QUAN | 13 | Conditional |
| EQUI | GEWEI   | GEWEI   | Unit of Weight                         | UNIT | 3  | Conditional |
| EQUI | INVNR   | INVNR   | Inventory No                           | CHAR | 25 | Conditional |
| EQUI | INBDT   | INBDT   | Start-up date                          | DATS | 8  | Conditional |
| EQUI | ANSWT   | ANSWT   | Acquisition Value                      | NUMC | 13 | Conditional |
| EQUI | WAERS   | WAERS   | Currency                               | CUKY | 5  | Conditional |
| EQUI | HERST   | HERST   | Manufacturer                           | CHAR | 30 | Conditional |
| EQUI | TYPBZ   | TYPBZ   | Model Number                           | CHAR | 20 | Conditional |
| EQUI | SERGE   | SERGE   | Manufacturer Serial Number             | CHAR | 30 | Conditional |
| EQUI | HERLD   | HERLD   | Country/Region of Manufacture          | CHAR | 3  | Conditional |
| EQUI | BAUJJ   | BAUJJ   | Year of construction                   | CHAR | 4  | Conditional |
| EQUI | BAUMM   | BAUMM   | Month of Manufacture                   | CHAR | 2  | Conditional |
| EQUZ | DATAB   | DATAB   | Valid-From Date                        | DATS | 8  | Mandatory   |
| EQUZ | IWERK   | IWERK   | Maintenance Planning Plant             | CHAR | 4  | Mandatory   |
| EQUZ | INGRP   | INGRP   | Planner Group                          | CHAR | 3  | Mandatory   |
| EQUZ | GEWRK   | GEWRK   | Main work center                       | CHAR | 8  | Mandatory   |
| EQUZ | WERGW   | WERGW   | Plant associated with main work center | CHAR | 4  | Mandatory   |
| EQUZ | HEQUI   | HEQUI   | Superordinate Equipment                | CHAR | 18 | Conditional |
| EQUZ | SUBMT   | SUBMT   | Construction type                      | CHAR | 40 | Mandatory   |
| ILOA | ABCKZ   | ABCKZ   | ABC Indicator                          | CHAR | 1  | Mandatory   |
| ILOA | TPLNR   | TPLNR   | Functional Location                    | CHAR | 30 | Conditional |
| ILOA | SWERK   | SWERK   | Maintenance Plant                      | CHAR | 4  | Mandatory   |
| ILOA | BEBER   | BEBER   | Plant Section                          | CHAR | 3  | Mandatory   |
| ILOA | EQFNR   | EQFNR   | Sort Field                             | CHAR | 30 | Mandatory   |
| ILOA | BUKRS   | BUKRS   | Company Code                           | CHAR | 4  | Mandatory   |
| ILOA | KOSTL   | KOSTL   | Cost Center                            | CHAR | 10 | Mandatory   |
| ILOA | KOKRS   | KOKRS   | Controlling Area                       | CHAR | 4  | Mandatory   |
| 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. Equipment Short Text

| Table | Field | Data Element | Field Description        | Data Type | Length | Requirement                             |
|-------|-------|--------------|--------------------------|-----------|--------|-----------------------------------------|
| EQUI  | EQUNR | EQUNR        | Equipment Number         | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| EQKT  | SPRAS | SPRAS        | Language Key             | LANG      | 1      | Mandatory                               |
| EQKT  | EQKTX | EQKTX        | Description of Equipment | CHAR      | 40     | Mandatory                               |

Note: Each Equipment 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).

## 3. Equipment 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 | CLASS | CLASS | Class Name                        | CHAR | 30 | Mandatory                               |
| EQUI | EQUNR | EQUNR | Equipment Number                  | CHAR | 18 | Mandatory<br>(Key to link to Equipment) |

#### 4. Equipment 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                               |
| EQUI  | EQUNR     | EQUNR        | Equipment Number                       | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| 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. Equipment Partner

| Table | Field | Data Element | Field Description | Data Type | Length | Requirement                             |
|-------|-------|--------------|-------------------|-----------|--------|-----------------------------------------|
| EQUI  | EQUNR | EQUNR        | Equipment Number  | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| IHPA  | OBTYP | OBTYP        | Object Type       | CHAR      | 3      | Mandatory                               |
| IHPA  | PARVW | PARVW        | Partner Function  | CHAR      | 2      | Mandatory                               |
| IHPA  | PARNR | PARNR        | Partner           | CHAR      | 12     | Mandatory                               |

#### 6. Equipment User Status

| Table | Field | Data Element | Field Description                 | Data Type | Length | Requirement                             |
|-------|-------|--------------|-----------------------------------|-----------|--------|-----------------------------------------|
| EQUI  | EQUNR | EQUNR        | Equipment Number                  | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| JSTO  | STSMA | STSMA        | Status profile of the Equipment   | CHAR      | 8      | Mandatory                               |
| JEST  | STAT  | STAT         | Status Number in User Status List | CHAR      | 5      | Mandatory                               |

#### 7. Equipment Long Text Header

| Table | Field    | Data Element | Field Description         | Data Type | Length | Requirement                             |
|-------|----------|--------------|---------------------------|-----------|--------|-----------------------------------------|
| EQUI  | EQUNR    | EQUNR        | Equipment Number          | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| STXH  | TDOBJECT | TDOBJECT     | Texts: application object | CHAR      | 10     | Mandatory                               |
| STXH  | TDNAME   | TDNAME       | Name                      | CHAR      | 70     | Mandatory                               |
| STXH  | TDID     | TDID         | Text ID                   | CHAR      | 4      | Mandatory                               |
| STXH  | TDSPRAS  | TDSPRAS      | Language Key              | LANG      | 1      | Mandatory                               |

## 8. Equipment Long Text Line

| Table | Field    | Data Element | Field Description         | Data Type | Length | Requirement                             |
|-------|----------|--------------|---------------------------|-----------|--------|-----------------------------------------|
| EQUI  | EQUNR    | EQUNR        | Equipment Number          | CHAR      | 18     | Mandatory<br>(Key to link to Equipment) |
| STXL  | TDOBJECT | TDOBJECT     | Texts: application object | CHAR      | 10     | Mandatory                               |
| STXL  | TDNAME   | TDNAME       | Name                      | CHAR      | 70     | Mandatory                               |
| STXL  | TDID     | TDID         | Text ID                   | CHAR      | 4      | Mandatory                               |
| STXL  | TDSPRAS  | TDSPRAS      | Language Key              | LANG      | 1      | Mandatory                               |
| STXL  | TDFORMAT | TDFORMAT     | Tag column                | CHAR      | 1      | Mandatory                               |
| STXL  | TDLINE   | TDLINE       | Text Line                 | CHAR      | 72     | 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

Equipment Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Equipment information follows the Master Data Standard document that is located [here](#).

## Data Cleansing

| ID       | Criticality | Error Message/Report Description                                                                                                                                                                                                          | Rule                                                                                                                      | Output                                                                                                  | Source System |
|----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------|
| 1002-001 | C1          | Relevant Equipment missing Technical Object Type                                                                                                                                                                                          | Equipment as per Relevancy Criteria with no Technical Object Type Assigned                                                | Plant, Equipment, Equipment Description, Technical Object Type                                          | PF2, WP2      |
| 1002-002 | C1          | Relevant Equipment missing Superior Equipment or Functional Location                                                                                                                                                                      | Equipment as per Relevancy Criteria not installed either below a Superior Equipment or Functional Location                | Plant, Equipment, Equipment Description, Technical Object Type, Superior Equipment, Functional Location | PF2, WP2      |
| 1002-003 | C1          | Equipment in Available 'AVLB' Status                                                                                                                                                                                                      | 'Floating' Equipment i.e having System Status (JEST-STAT) = Available 'AVLB'                                              | Plant, Equipment, Equipment Description                                                                 | PF2, WP2      |
| 1002-004 | C3          | Info Report : Relevant Equipment Long Text for Cleansing                                                                                                                                                                                  | Equipment as per Relevancy Criteria where Long Text Exist flag is assigned (EQUI-KZLTX) = 'X'. This is for manual review. | Plant, Equipment, Equipment Description, Long Text                                                      | PF2, WP2      |
| 1002-005 | C3          | Info Report : Construction Type (CT) assigned to Relevant Equipment which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Construction Types to be included in Equipment DCT for migration. | Construction Type (EQUZ-SUBMT) maintained on relevant Equipment which are/ are not part of a BOM (MAST-MATNR).            | Plant, Equipment, Equipment Description, CT, CT description, Material Type, Material Type Description   | PF2, WP2      |

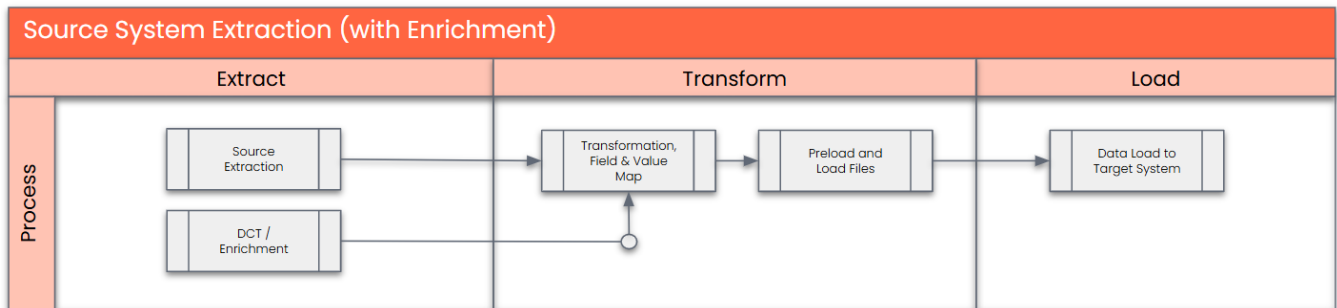
|          |    |                                                                                                                                                                                                                                        |                                                                                                                                                   |                                                                                                   |          |
|----------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------|
| 1002-006 | C3 | Info Report : Assemblies assigned to Relevant Maintenance Items which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Assemblies to be included in Equipment DCT for migration.          | Assembly (MPOS-BAUTL) maintained on relevant Maintenance Items (MPOS-WAPOS) which are/ are not part of a BOM (MAST-MATNR)                         | Plant, Maintenance Item, Assembly, Assembly description, Material Type, Material Type Description | PF2, WP2 |
| 1002-007 | C3 | Info Report : Assemblies listed on Relevant Maintenance Item Object list which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Assemblies to be included in Equipment DCT for migration. | Assembly (OBJK-BAUTL) maintained on relevant Maintenance Items (MPOS-WAPOS) which are/ are not part of a BOM (MAST-MATNR)                         | Plant, Maintenance Item, Assembly, Assembly description, Material Type, Material Type Description | PF2, WP2 |
| 1002-008 | C3 | Info Report : Assemblies listed on Relevant Work Orders which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Assemblies to be included in Equipment DCT for migration.                  | Assembly (AFIH-BAUTL) maintained on relevant Work Order (AUFK-AUFNR) which are/ are not part of a BOM (MAST-MATNR)                                | Plant, Work Order, Assembly, Assembly description, Material Type, Material Type Description       | PF2, WP2 |
| 1002-009 | C3 | Info Report : Assemblies listed on Relevant Work Order Object list which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Assemblies to be included in Equipment DCT for migration.       | Assembly (OBJK-BAUTL) maintained on relevant Work Order (AUFK-AUFNR) which are/ are not part of a BOM (MAST-MATNR)                                | Plant, Work Order, Assembly, Assembly description, Material Type, Material Type Description       | PF2, WP2 |
| 1002-010 | C3 | Info Report : Assemblies listed on Relevant Notifications which are not part of a BOM (Bill of Material). This report is to support Business to review Legacy Assemblies to be included in Equipment DCT for migration.                | Assembly (QMIH-BAUTL) maintained on relevant Notification (QMEL-QMNUM) which are/ are not part of a BOM (MAST-MATNR)                              | Plant, Notification, Assembly description, Material Type, Material Type Description               | PF2, WP2 |
| 1002-011 | C3 | Info Report: Functional Location identified to be migrated as Equipment. This report is to support Business to review Legacy Functional Location to be included in Equipment DCT for migration.                                        | Functional Location (IFLOT-TPLENR) to be migrate as Equipment as part of mapping (Functional Location, where <i>New Technical Object</i> = 'EQ' ) | Plant, Functional Location, Functional Description                                                | 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:

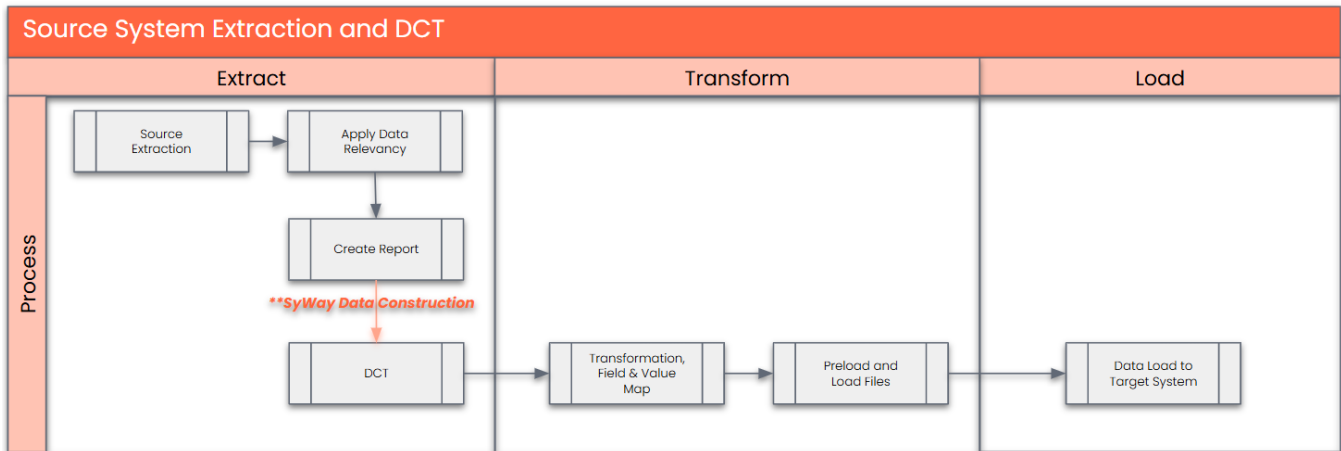
1. Source = PF2/WP2:



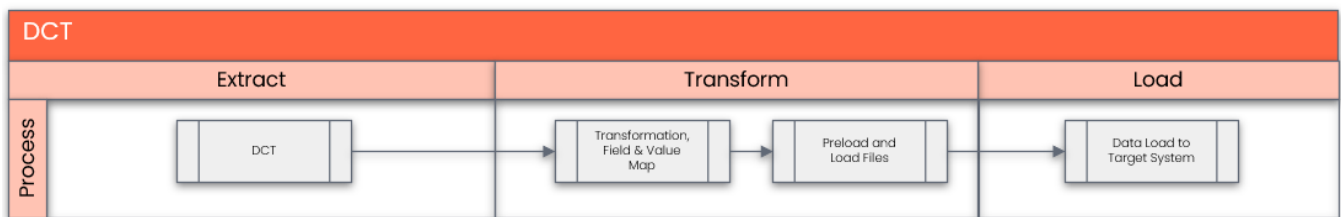
2. Source = DCT

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

- Equipment to be created where the source data is set up as Functional Locations
- Equipment to be created where the source data is set up as Assemblies
- Legacy Equipment to be split into multiple Equipment



- For sites not on SAP-PF2 or WP2 systems



## Data Privacy and Sensitivity

Not Applicable

## Extraction

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

- The data exists. ADMM connects to the source and loads the data into ADMM. There are 3 methods:
  - Perform full data extraction from relevant tables in the source system(s).
  - Perform extraction through the application layer.
  - Only if ADMM; cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
- The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in ADMM. 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 below info reports. <ul style="list-style-type: none"> <li>Assembly/ Construction Type - 1002-004/005/006/007/008/009</li> <li>Functional Location - 1002-010</li> </ul> | 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 Equipment with exception of some fields which require transformation as mentioned in the transformation rule.

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

**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. Equipment Master Data Construction Rules

| Field Name        | Field Description     | Rule                                                                                                                                                                                                               |
|-------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyEQUNR      | Legacy Id             | Mandatory<br><br>If exists in Value Mapping: Equipment (Staging), then populate the Staging Id mapped to the Legacy Id<br><br>Else populate the Legacy Id of the Equipment/ Functional Location/ Assembly Material |
| zLegacyObjectType | Legacy Object Type    | Mandatory<br><br>Allowed Values - 'EQ' (Equipment)/ 'FL' (Functional Location) / 'ASY' (Assembly)                                                                                                                  |
| EQART             | Technical Object Type | Mandatory<br><br>Allowed values from T370K to be populated                                                                                                                                                         |
| BRGEW             | Weight                | Conditional<br><br>Populate if information exists                                                                                                                                                                  |
| GEWEI             | Unit of Weight        | Conditional<br><br>Populate unit value if BRGEW (Weight) has been maintained.<br><br>Allowed values from T006 to be populated                                                                                      |
| INVNR             | Inventory No          | Conditional<br><br>Populate Critical Material representing the relevant procured Capital Spare (Fixed Asset) for the Equipment                                                                                     |
| ANSWT             | Acquisition Value     | Conditional<br><br>Populate the Fixed Asset value if Inventory Number has been maintained.                                                                                                                         |
| WAERS             | Currency              | Conditional<br><br>Populate only if 'Acquisition Value' field has been populated<br><br>Allowed values from TCURC to be populated.                                                                                 |
| HERST             | Manufacturer          | PF2/WP2 data enrichment: Not used<br><br>For new data construction:<br><br>Conditional<br><br>Populate if information exists                                                                                       |

|       |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPBZ | Model Number                  | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Conditional</p> <p>Populate if information exists</p>                                                                                                                                                                                                                                                                                                                                    |
| SERGE | Manufacturer Serial Number    | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Conditional</p> <p>Populate if information exists</p>                                                                                                                                                                                                                                                                                                                                    |
| HERLD | Country/Region of Manufacture | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Conditional</p> <p>Allowed values from T005 to be populated.</p>                                                                                                                                                                                                                                                                                                                         |
| BAUJJ | Year of construction          | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Conditional</p> <p>Populate if information exists</p>                                                                                                                                                                                                                                                                                                                                    |
| BAUMM | Month of Manufacture          | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Conditional</p> <p>Populate if information exists</p>                                                                                                                                                                                                                                                                                                                                    |
| SWERK | Maintenance Plant             | <p>PF2/WP2 data enrichment: Not used</p> <p>For new data construction:</p> <p>Mandatory</p> <p>Populate values from Value Mapping - Plant (where Maintenance Plant = Yes)</p>                                                                                                                                                                                                                                                                                          |
| INGRP | Planner Group                 | <p>Mandatory</p> <p>Allowed values from T024I (where IWERK = Planning Plant) to be populated</p>                                                                                                                                                                                                                                                                                                                                                                       |
| GEWRK | Main work center              | <p>Mandatory</p> <p>Allowed values from Work Centre DCT to be populated.</p>                                                                                                                                                                                                                                                                                                                                                                                           |
| HEQUI | Superordinate Equipment       | <p>Conditional</p> <p>Populate if Equipment is a Sub-Equipment.</p> <p>Plant section of the Superior Equipment should be identical the the Equipment to be installed.</p>                                                                                                                                                                                                                                                                                              |
| SUBMT | Construction type             | <p>Mandatory</p> <p>Populate value from Assembly DCT.</p> <p>Assigned Construction Type should have a TOT Characteristic value (A_ALLOWED_TOT) maintained which matches the 'Technical Object Type' assigned on the Equipment and 'SubAssembly' Characteristic (A_SUB_ASSEMBLY) = 'No'</p>                                                                                                                                                                             |
| TPLNR | Functional Location           | <p>Conditional</p> <p>Populate Category 'A' Functional Location if Equipment installed under Functional Location.</p> <p>Assigned Functional Location should have a TOT value identical to the Equipment and the Plant Section of the Functional Location should be identical to the one assigned on the Equipment</p> <p>Allowed Category 'A' Functional Location values from mapping (Functional Location, where <i>New Technical Object</i> = 'FL') to be used.</p> |

|              |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EQFNR        | Sort Field                         | <p><b>Mandatory</b></p> <p>The Sort Field is used to store the Plant Tag ID, representing the physical identifier attached to an asset in the field.</p> <p>Each Equipment record must have a unique Sort Field value within the same Plant, except in cases where the Equipment is defined as a sub-equipment of a parent asset, in which case it may share the same Plant Tag ID.</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>                                                                                       |
| KOSTL        | Cost Center                        | <p><b>Mandatory</b></p> <p>Allowed values from R2R Cost Centre Value Mapping maintained for the Company Code associated to the Maintenance Plant.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NAME1        | Name 1                             | <p><b>Conditional</b></p> <p>Populate NAME1-4 fields with the Name and Location of the Asset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NAME2        | Name 2                             | <p><b>Conditional</b></p> <p>Populate NAME1-4 fields with the Name and Location of the Asset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NAME3        | Name 3                             | <p><b>Conditional</b></p> <p>Populate NAME1-4 fields with the Name and Location of the Asset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NAME4        | Name 4                             | <p><b>Conditional</b></p> <p>Populate NAME1-4 fields with the Name and Location of the Asset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EQKTX<br>_EN | Description of Equipment (English) | <p><b>Mandatory</b></p> <p>Guide for Description:</p> <p>A = Technical Object Type Description (in English language)<br/> B = Asset Tag (Sort Field)<br/> C = Additional Description as provided by business (in English Language)</p> <p>Equipment Description = A+B+C</p> <p>All Letters must be in Capital letters/ Uppercase.</p> <p>Cannot have duplicate records based on corresponding language text (2 Equipment cannot have the same English language key texts)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul> |

|                         |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPRAS<br>_LC            | Language Key_Local                        | <p>Conditional</p> <p>User to populate Language Key based language of the Country where the Maintenance Plant exists.</p> <p>Allowed values:</p> <ol style="list-style-type: none"> <li>1. "F" - French</li> <li>2. "1" - Mandarin/Simplified Chinese</li> <li>3. "I" - Italian</li> <li>4. "P" - Portuguese/Brazilian</li> <li>5. "D" - German</li> <li>6. "S" - Spanish</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EQKTX<br>_LC            | Description of Equipment (Local Language) | <p>Conditional</p> <p>Guide for Description:</p> <p>A = Technical Object Type Description (in Local Language of Plant)<br/> B = Asset Tag (Sort Field)<br/> C = Additional Description as provided by business (in language of the country in which each plant is located)</p> <p>Equipment Description = A+B+C</p> <p>All Letters must be in Capital letters/ Uppercase.</p> <p>Cannot have duplicate records based on corresponding language text (2 Equipment cannot have the same Local language key texts)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>;     Semi-colon</li> <li>:</li> <li>::     Double Colon</li> <li>?     Question Mark</li> <li>/     Forward Slash</li> <li>@     At sign</li> <li>&amp;     Ampersand</li> <li>=     Equal Sign</li> <li>+     Plus Sign</li> <li>\$     Dollar Sign</li> <li>%     Percent</li> <li>      Vertical Bar</li> <li>[]     Left or Right Square Bracket</li> <li>"     Double Quotes</li> </ul> |
| zLegac<br>yPARN<br>R_Z1 | Partner (Asset Owner)                     | <p>Mandatory</p> <p>Populate 'Z1' (Asset Owner) Vendor Business Partner as per below rule.</p> <p>Rule -<br/> For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated.</p> <p>For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| zLegac<br>yPARN<br>R_Z2 | Partner (Asset Maintainer)                | <p>Mandatory</p> <p>Populate 'Z2' (Asset Maintainer) Vendor Business Partner as per below rule.</p> <p>Rule -<br/> For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated.</p> <p>For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| zLegac<br>yPARN<br>R_Z3 | Partner (Vendor Contact)                  | <p>Mandatory</p> <p>Populate 'Z3' (Vendor Contact) Contact Person Business Partner of the External Vendor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|             |                                                                                   |                                                                                                                                                                                                                          |
|-------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STAT_<br>N1 | Sequential Status in User Status Profile                                          | Conditional<br><br>Populate from allowed values:<br>'PLAN'- Planned<br>'COMM'- Commissioned<br>'INSR'- In Service<br>'OTSR'- Out Of Service<br>'SCRIP'- Scrap<br><br>If none is provided, it will be defaulted to 'PLAN' |
| STAT_<br>X1 | Non-Sequential Status in the User Status Profile - EXHZ (Extremely Hazardous)     | Conditional<br><br>Populate 'EXHZ' (Extremely Hazardous) status if applicable.                                                                                                                                           |
| STAT_<br>X2 | Non-Sequential Status in the User Status Profile - MTNA (Maintenance Not Allowed) | Conditional<br><br>Populate 'MTNA' (Maintenance Not Allowed) status if applicable.                                                                                                                                       |

## 2. Equipment Classification Data Construction Rules

| Data Element     | Field Description    | Rule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyEQU<br>NR | Legacy Id            | Mandatory<br><br>Key to link to the Legacy Object (Equipment/ Functional Location/ Assembly)<br><br>Should exist in Equipment Master DCT Rules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CLASS            | Class Name           | Mandatory<br><br><ul style="list-style-type: none"> <li>Must always have an entry for EAM_9999.</li> <li>User to populate any other class of class type '002' (Equipment) as required</li> </ul> Class other than 'EAM_9999' must have naming convention = EAM_TOT (Tech Object Type) of the Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ATNAM            | Characteristic Name  | Mandatory<br><br>User to populate Characteristic assigned to the Class 'EAM_9999' and other mapped legacy classes as per the Class DCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ATWRT            | Characteristic Value | Conditional.<br><br><ul style="list-style-type: none"> <li>If the characteristic has character format (CHAR), populate with alphanumeric characters.</li> <li>If the characteristic has character format (DATE), must have the format DDMMYYYY. <b>E.g. 31122000</b></li> <li>If the characteristic has character format (TIME), must have the format HHMMSS. <b>E.g. 110000</b></li> <li>If the characteristic has character format (NUM), the field should contain only numerical characters. <b>E.g. 888</b></li> <li>If the characteristic has character format (CURR), this field should contain only numerical characters. <b>E.g. 200</b></li> </ul> Note for DATE, TIME, NUM and CURR formats: <ul style="list-style-type: none"> <li>If a range is required, the from and to values should be concatenated using a hyphen (" - ").<br/> <ul style="list-style-type: none"> <li>E.g. DATE: 1 - 2, 110000 -112855</li> </ul> </li> <li>Fill in only if Characteristic - Interval values allowed (ATINT) is populated with "X"</li> <li>The Characteristic Value (From) should be &lt;= Characteristic Value (To)</li> </ul> |
| POSNR            | Item Number          | Conditional<br><br>Sequential number to be maintained if multiple values are being recorded for the same Characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## 3. Equipment Long Text Data Construction Rules

| Data Element | Field Description | Rule |
|--------------|-------------------|------|
|--------------|-------------------|------|

|              |                            |                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyEQUNR | Legacy Id                  | <p>Mandatory</p> <p>Key to link to the Legacy Object (Equipment/ Functional Location/ Assembly)</p> <p>Should exist in Equipment Master DCT Rules</p>                                                                                                                                                                                                                                |
| TDLINE_EN    | Text Line (English)        | <p>Mandatory</p> <p>User to populate Free Text in English Language as applicable.</p> <p>All Letters must be in Capital letters/ Uppercase.</p>                                                                                                                                                                                                                                      |
| TDSPRAS_LC   | Language Key_Local         | <p>Conditional</p> <p>User to populate Language Key based language of the Country where the Maintenance Plant exists.</p> <p>Allowed values:</p> <ol style="list-style-type: none"> <li>1. "F" - French</li> <li>2. "1" - Mandarin/Simplified Chinese</li> <li>3. "I" - Italian</li> <li>4. "P" - Portuguese/Brazilian</li> <li>5. "D" - German</li> <li>6. "S" - Spanish</li> </ol> |
| TDLINE_LC    | Text Line (Local Language) | <p>Conditional</p> <p>User to populate Free Text in language of the country in which each plant is located (French, Italian, Mandarin, Brazilian Portuguese, German or Spanish).</p> <p>All Letters must be in Capital letters/ Uppercase.</p>                                                                                                                                       |

#### 4. Inclusion-EQ Long Text Data Construction Rules

| Data Element | Field Description       | Rule                                                                                                                                                                                                                                                                                                   |
|--------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyEQUNR | Legacy Equipment Number | <p>Mandatory</p> <p>Populate relevant Legacy Equipment Number for which Long Text has to be migrated.</p>                                                                                                                                                                                              |
| zLegacyWERKS | Legacy Plant            | Mandatory                                                                                                                                                                                                                                                                                              |
| zLegacySPRAS | Legacy Language Key     | <p>Mandatory.</p> <p>Allowed values:</p> <ol style="list-style-type: none"> <li>1. "E" - English</li> <li>2. "F" - French</li> <li>3. "1" - Mandarin/Simplified Chinese</li> <li>4. "I" - Italian</li> <li>5. "P" - Portuguese/Brazilian</li> <li>6. "D" - German</li> <li>7. "S" - Spanish</li> </ol> |

#### 5. Equipment (Staging) Data Construction Rules

| Data Element | Field Description  | Rule                                                                                                                                                                         |
|--------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OBJECT       | Legacy Object Type | <p>Mandatory</p> <p>Allowed Values: 'Functional Location', 'Equipment', 'Assembly'</p> <p>Populate relevant Legacy Object Type applicable for consolidation or splitting</p> |
| OBJECT_ID    | Legacy Object Id   | <p>Mandatory</p> <p>Populate relevant Legacy Object Id (Functional Location Label/ Equipment Number/ Material Number)</p>                                                    |
| zLegacyWERKS | Legacy Plant       | Mandatory                                                                                                                                                                    |

| OPERATION              | Operation            | <div>Mandatory</div> <div>Populate 'Split' if the record has to be Split into multiple Ids.</div> <div>Populate 'Consolidate' where multiple records have be merged to one.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
|------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-------------------|----------|------------------|----------|------------------|----------|------------------------|---------------|-----------------------|---------------|-----------------------|---------------|-------------------|----------|------------------|----------|------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|----------|------------|----------|------------|----------|------------|----------------|------------------|----------------|------------------|----------------|------------------|-----------|-------------|-----------|-------------|-----------|-------------|
| STAGING_ID             | Staging Equipment Id | <div>Mandatory.</div> <div>Guideline to populate the Staging Id -</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
|                        |                      | <div>For <b>Consolidation</b> i.e merging multiple legacy objects into one</div> <table><thead><tr><th>Legacy Object Id</th><th>Staging Id</th></tr></thead><tbody><tr><td>10000234 (Master)</td><td>10000234</td></tr><tr><td>10000235 (Slave)</td><td>10000234</td></tr><tr><td>10000236 (Slave)</td><td>10000234</td></tr><tr><td>TPL_PROD_1235 (Master)</td><td>TPL_PROD_1235</td></tr><tr><td>TPL_PROD_1236 (Slave)</td><td>TPL_PROD_1235</td></tr><tr><td>TPL_PROD_1237 (Slave)</td><td>TPL_PROD_1235</td></tr><tr><td>89993244 (Master)</td><td>89993244</td></tr><tr><td>89993245 (Slave)</td><td>89993244</td></tr><tr><td>89993246 (Slave)</td><td>89993244</td></tr></tbody></table> | Legacy Object Id | Staging Id | 10000234 (Master) | 10000234 | 10000235 (Slave) | 10000234 | 10000236 (Slave) | 10000234 | TPL_PROD_1235 (Master) | TPL_PROD_1235 | TPL_PROD_1236 (Slave) | TPL_PROD_1235 | TPL_PROD_1237 (Slave) | TPL_PROD_1235 | 89993244 (Master) | 89993244 | 89993245 (Slave) | 89993244 | 89993246 (Slave) | 89993244 | <div>For <b>Splitting</b> single legacy objects into multiple</div> <table><thead><tr><th>Legacy Object Id</th><th>Staging Id</th></tr></thead><tbody><tr><td>10000001</td><td>10000001_1</td></tr><tr><td>10000001</td><td>10000001_2</td></tr><tr><td>10000001</td><td>10000001_3</td></tr><tr><td>WLO_UTIL_X3512</td><td>WLO_UTIL_X3512_1</td></tr><tr><td>WLO_UTIL_X3512</td><td>WLO_UTIL_X3512_2</td></tr><tr><td>WLO_UTIL_X3512</td><td>WLO_UTIL_X3512_3</td></tr><tr><td>812364533</td><td>812364533_1</td></tr><tr><td>812364533</td><td>812364533_2</td></tr><tr><td>812364533</td><td>812364533_3</td></tr></tbody></table> | Legacy Object Id | Staging Id | 10000001 | 10000001_1 | 10000001 | 10000001_2 | 10000001 | 10000001_3 | WLO_UTIL_X3512 | WLO_UTIL_X3512_1 | WLO_UTIL_X3512 | WLO_UTIL_X3512_2 | WLO_UTIL_X3512 | WLO_UTIL_X3512_3 | 812364533 | 812364533_1 | 812364533 | 812364533_2 | 812364533 | 812364533_3 |
|                        |                      | Legacy Object Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Staging Id       |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000234 (Master)      | 10000234             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000235 (Slave)       | 10000234             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000236 (Slave)       | 10000234             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| TPL_PROD_1235 (Master) | TPL_PROD_1235        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| TPL_PROD_1236 (Slave)  | TPL_PROD_1235        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| TPL_PROD_1237 (Slave)  | TPL_PROD_1235        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 89993244 (Master)      | 89993244             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 89993245 (Slave)       | 89993244             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 89993246 (Slave)       | 89993244             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| Legacy Object Id       | Staging Id           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000001               | 10000001_1           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000001               | 10000001_2           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 10000001               | 10000001_3           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| WLO_UTIL_X3512         | WLO_UTIL_X3512_1     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| WLO_UTIL_X3512         | WLO_UTIL_X3512_2     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| WLO_UTIL_X3512         | WLO_UTIL_X3512_3     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 812364533              | 812364533_1          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 812364533              | 812364533_2          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |
| 812364533              | 812364533_3          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |            |                   |          |                  |          |                  |          |                        |               |                       |               |                       |               |                   |          |                  |          |                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |          |            |          |            |          |            |                |                  |                |                  |                |                  |           |             |           |             |           |             |

Note: Above DCT is only to populated for Legacy Objects (Functional Location, Equipment, Assembly) which require consolidation or splitting.

#### 6. ENR-Equipment Enrichment Data Construction Rules

| Field Name    | Field Description       | Rule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyEQUINR | Legacy Equipment Number | Mandatory<br><br>Populate the Legacy Equipment Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EQART         | Technical Object Type   | Mandatory<br><br>Allowed values from T370K to be populated                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BRGEW         | Weight                  | Conditional<br><br>Populate if information exists                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GEWEI         | Unit of Weight          | Conditional<br><br>Populate unit value if BRGEW (Weight) has been maintained.<br><br>Allowed values from T006 to be populated                                                                                                                                                                                                                                                                                                                                                                                           |
| INVNR         | Inventory No            | Conditional<br><br>Populate Critical Material representing the relevant procured Capital Spare (Fixed Asset) for the Equipment<br><br>Criteria for Assigning Critical Materials as the Inventory Number - <ul style="list-style-type: none"> <li>The material must have a cost greater than 15,000 and a useful life exceeding one year.</li> <li>The material type should be either 'UNBW' or 'NLAG'.</li> <li>The "Critical Part" checkbox must be selected in the Purchasing view of the Material Master.</li> </ul> |
| ANSWT         | Acquisition Value       | Conditional<br><br>Populate the Fixed Asset value if Inventory Number has been maintained.                                                                                                                                                                                                                                                                                                                                                                                                                              |

|       |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WAERS | Currency                | <p>Conditional</p> <p>Populate only if 'Acquisition Value' field has been populated</p> <p>Allowed values from TCURC to be populated.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| INGRP | Planner Group           | <p>Conditional</p> <p>Must Populate value if Equipment is in Installed Status.</p> <p>Allowed values from T024I (where IWERK = Planning Plant) to be populated</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GEWRK | Main work center        | <p>Conditional</p> <p>Must Populate value if Equipment is in Installed Status.</p> <p>Allowed values from Work Centre DCT to be populated.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HEQUI | Superordinate Equipment | <p>Conditional</p> <p>Populate if Equipment is a Sub-Equipment.</p> <p>Plant section of the Superior Equipment should be identical the the Equipment to be installed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SUBMT | Construction type       | <p>Mandatory</p> <p>Populate value from Assembly DCT.</p> <p>Assigned Construction Type should have a TOT Characteristic value maintained which matches the 'Object Type' assigned on the Equipment and 'SubAssembly' Characteristic = 'No'</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| TPLNR | Functional Location     | <p>Conditional</p> <p>Populate Category 'A' Functional Location if Equipment installed under Functional Location.</p> <p>Assigned Functional Location should have a TOT value identical to the Equipment and the Plant Section of the Functional Location should be identical to the one assigned on the Equipment</p> <p>Allowed Category 'A' Functional Location values from mapping (Functional Location, where <i>New Technical Object</i> = 'FL') to be used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                |
| BEBER | Plant Section           | <p>Conditional</p> <p>Allowed values from T357 to be populated for the Maintenance Plant (SWERK) selected</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EQFNR | Sort Field              | <p>Mandatory</p> <p>The Sort Field is used to store the Plant Tag ID, representing the physical identifier attached to an asset in the field.</p> <p>Each Equipment record must have a unique Sort Field value within the same Plant, except in cases where the Equipment is defined as a sub-equipment of a parent asset, in which case it may share the same Plant Tag ID.</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>;     Semi-colon</li> <li>:</li> <li>::     Double Colon</li> <li>?     Question Mark</li> <li>/     Forward Slash</li> <li>@     At sign</li> <li>&amp;     Ampersand</li> <li>=     Equal Sign</li> <li>+     Plus Sign</li> <li>\$     Dollar Sign</li> <li>%     Percent</li> <li>      Vertical Bar</li> <li>[]     Left or Right Square Bracket</li> <li>"     Double Quotes</li> </ul> |
| KOSTL | Cost Center             | <p>Conditional</p> <p>Must Populate value if Equipment is in Installed Status</p> <p>Allowed values from R2R Cost Centre Value Mapping.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NAME1 | Name 1                  | <p>Conditional</p> <p>Populate NAME1-4 fields with the Name and Location of the Asset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|              |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAME2        | Name 2                             | Conditional<br><br>Populate NAME1-4 fields with the Name and Location of the Asset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NAME3        | Name 3                             | Conditional<br><br>Populate NAME1-4 fields with the Name and Location of the Asset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NAME4        | Name 4                             | Conditional<br><br>Populate NAME1-4 fields with the Name and Location of the Asset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EQKTX<br>_EN | Description of Equipment (English) | Conditional<br><br>Guide for Description:<br><br>A = Technical Object Type Description (in English language)<br>B = Asset Tag (Sort Field)<br>C = Additional Description as provided by business (in English Language)<br><br>Equipment Description = A+B+C<br><br>All Letters must be in Capital letters/ Uppercase.<br><br>Cannot have duplicate records based on corresponding language text (2 Equipment cannot have the same English language key texts)<br><br>Ensure that it does not include any of below characters:<br><br>;     Semi-colon<br>:     Colon<br>::    Double Colon<br>?     Question Mark<br>/     Forward Slash<br>@     At sign<br>&     Ampersand<br>=     Equal Sign<br>+     Plus Sign<br>\$     Dollar Sign<br>%     Percent<br>      Vertical Bar<br>[]    Left or Right Square Bracket<br>"     Double Quotes |
| SPRAS<br>_LC | Language Key_Local                 | Conditional<br><br>User to populate Language Key based language of the Country where the Maintenance Plant exists.<br><br>Allowed values:<br>1. "F" - French<br>2. "1" - Mandarin/Simplified Chinese<br>3. "I" - Italian<br>4. "P" - Portuguese/Brazilian<br>5. "D" - German<br>6. "S" - Spanish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                         |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EQKTX<br>_LC            | Description of Equipment (Local Language)                                         | <p>Conditional</p> <p>Guide for Description:</p> <p>A = Technical Object Type Description (in Local Language of Plant)<br/> B = Asset Tag (Sort Field)<br/> C = Additional Description as provided by business (in language of the country in which each plant is located)</p> <p>Equipment Description = A+B+C</p> <p>All Letters must be in Capital letters/ Uppercase.</p> <p>Cannot have duplicate records based on corresponding language text (2 Equipment cannot have the same Local language key texts)</p> <p>Ensure that it does not include any of below characters:</p> <p>;     Semi-colon<br/> :     Colon<br/> ::    Double Colon<br/> ?     Question Mark<br/> /     Forward Slash<br/> @     At sign<br/> &amp;     Ampersand<br/> =     Equal Sign<br/> +     Plus Sign<br/> \$     Dollar Sign<br/> %     Percent<br/>       Vertical Bar<br/> []    Left or Right Square Bracket<br/> "     Double Quotes</p> |
| zLegac<br>yPARN<br>R_Z1 | Partner (Asset Owner)                                                             | <p>Mandatory</p> <p>Populate 'Z1' (Asset Owner) Vendor Business Partner as per below rule.</p> <p>Rule -<br/> For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated.</p> <p>For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| zLegac<br>yPARN<br>R_Z2 | Partner (Asset Maintainer)                                                        | <p>Mandatory</p> <p>Populate 'Z2' (Asset Maintainer) Vendor Business Partner as per below rule.</p> <p>Rule -<br/> For Assets that are Owned by Syensqo and Maintained by Syensqo Inter Company Vendor are to be populated.</p> <p>For Assets that are rented from specific vendors or maintained by third-party service providers, external Vendors are to be populated</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| zLegac<br>yPARN<br>R_Z3 | Partner (Vendor Contact)                                                          | <p>Mandatory</p> <p>Populate 'Z3' (Vendor Contact) Contact Person Business Partner of the External Vendor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| STAT_<br>N1             | Sequential Status in User Status Profile                                          | <p>Conditional</p> <p>Populate from allowed values:<br/> 'PLAN'- Planned<br/> 'COMM'- Commissioned<br/> 'INSR'- In Service<br/> 'OTSR'- Out Of Service<br/> 'SCRP'- Scrap</p> <p>If none is provided, it will be defaulted to 'PLAN'</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| STAT_<br>X1             | Non-Sequential Status in the User Status Profile - EXHZ (Extremely Hazardous)     | <p>Conditional</p> <p>Populate 'EXHZ' (Extremely Hazardous) status if applicable.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| STAT_<br>X2             | Non-Sequential Status in the User Status Profile - MTNA (Maintenance Not Allowed) | <p>Conditional</p> <p>Populate 'MTNA' (Maintenance Not Allowed) status if applicable.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## 7. Equipment Inclusion Data Construction Rules

| Data Element | Field Description       | Rule                                                                                 |
|--------------|-------------------------|--------------------------------------------------------------------------------------|
| zLegacyEQUNR | Legacy Equipment Number | Mandatory<br>Populate Legacy Equipment Number to be included for Equipment migration |
| zLegacyWERKS | Legacy Plant            | Mandatory                                                                            |
| COMMENT      | Comment                 | Mandatory<br>Populate requirement for Inclusion                                      |

## 8. Equipment Exclusion Data Construction Rules

| Data Element | Field Description       | Rule                                                                                 |
|--------------|-------------------------|--------------------------------------------------------------------------------------|
| zLegacyEQUNR | Legacy Equipment Number | Mandatory<br>Populate Legacy Equipment Number to be excluded for Equipment migration |
| zLegacyWERKS | Legacy Plant            | Mandatory                                                                            |
| COMMENT      | Comment                 | Mandatory<br>Populate requirement for Exclusion                                      |

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 Advanced Data Migration and Management (ADMM)
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 – Equipment | 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. Equipment 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      | EQUI         | EQUNR        | Equipment Number               | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                       | Internally Generated Number                                                                                                                                                                                                                                                                                                                                                                         |
| 2      | -             | -            | -            | -                              | S/4 Hana      | EQUI         | EQTYP        | Equipment Category                     | Default to 'M'                                                                                                                                                                                                                                                                                                                                                                                      |
| 3      | PF2, WP2      | EQUI         | EQART        | Technical Object Type          | S/4 Hana      | EQUI         | EQART        | Technical Object Type                  | Value Mapping: Asset_Technical Object Type<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                |
| 4      | PF2, WP2      | EQUI         | BRGEW        | Weight                         | S/4 Hana      | EQUI         | BRGEW        | Weight                                 | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                            |
| 5      | PF2, WP2      | EQUI         | GEWEI        | Unit of Weight                 | S/4 Hana      | EQUI         | GEWEI        | Unit of Weight                         | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                            |
| 6      | DCT           | EQUI         | INVNR        | Inventory No                   | S/4 Hana      | EQUI         | INVNR        | Inventory No                           | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 7      | -             | -            | -            | -                              | S/4 Hana      | EQUI         | INBDT        | Start-Up Date                          | If derived Target User Status for Equipment from Equipment User Status (STAT) Transformation Rules (ECC) is either of the below:<br>'COMM' (Commissioned)<br>'INSR' (In Service)<br>'OTSR' (Out of Service)<br>'SCRIP' (Scrap)<br>then assign the date as per Value mapping : OTH_Migra<br>tion_Date Relevant Values A2D (where Object ID "1002" and Field Name = "EQUI-INBDT".<br>Else leave blank |
| 8      | PF2, WP2      | EQUI         | ANSWT        | Acquisition Value              | S/4 Hana      | EQUI         | ANSWT        | Acquisition Value                      | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                            |
| 9      | PF2, WP2      | EQUI         | WAERS        | Currency                       | S/4 Hana      | EQUI         | WAERS        | Currency                               | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                            |
| 10     | PF2, WP2      | EQUI         | HERST        | Manufacturer                   | S/4 Hana      | EQUI         | HERST        | Manufacturer                           | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 11     | PF2, WP2      | EQUI         | TYPBZ        | Model Number                   | S/4 Hana      | EQUI         | TYPBZ        | Model Number                           | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 12     | PF2, WP2      | EQUI         | SERGE        | Manufacturer Serial Number     | S/4 Hana      | EQUI         | SERGE        | Manufacturer Serial Number             | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 13     | PF2, WP2      | EQUI         | HERLD        | Country /Region of Manufacture | S/4 Hana      | EQUI         | HERLD        | Country /Region of Manufacture         | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 14     | PF2, WP2      | EQUI         | BAUJJ        | Year of construction           | S/4 Hana      | EQUI         | BAUJJ        | Year of construction                   | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 15     | PF2, WP2      | EQUI         | BAUMM        | Month of Manufacture           | S/4 Hana      | EQUI         | BAUMM        | Month of Manufacture                   | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |
| 16     | -             | -            | -            | -                              | S/4 Hana      | EQUZ         | DATAB        | Valid From Date                        | Assign the date as per Value mapping : OTH_Migra<br>tion_Date Relevant Values A2D (where Object ID "1002" and Field Name = "EQUI-DATAB".                                                                                                                                                                                                                                                            |
| 17     | -             | -            | -            | -                              | S/4 Hana      | EQUZ         | IWERK        | Maintenance Planning Plant             | Copy value populated for Target Maintenance Plant (SWERK)                                                                                                                                                                                                                                                                                                                                           |
| 18     | PF2, WP2      | EQUZ         | INGRP        | Planner Group                  | S/4 Hana      | EQUZ         | INGRP        | Planner Group                          | Value mapping : Maintenance Planner Group<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                 |
| 19     | PF2, WP2      | EQUZ         | GEWRK        | Main work center               | S/4 Hana      | EQUZ         | GEWRK        | Main work center                       | Value mapping : Work Center A2D<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                           |
| 20     | -             | -            | -            | -                              | S/4 Hana      | EQUZ         | WERGW        | Plant associated with main work center | Copy value populated for Target Maintenance Plant (SWERK)                                                                                                                                                                                                                                                                                                                                           |
| 21     | DCT           | EQUZ         | SUBMT        | Construction type              | S/4 Hana      | EQUZ         | SUBMT        | Construction type                      | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                      |

|    |          |      |         |                     |          |      |         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|----------|------|---------|---------------------|----------|------|---------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22 | -        | -    | -       | -                   | S/4 Hana | ILOA | ABCKZ   | ABC Indicator       | Derive the Indicator based on below logic - <ul style="list-style-type: none"> <li>Aggregate values for all Characteristics assigned (in Target CABN) to the Equipment which are relevant for Asset Criticality Analysis i.e having Characteristic Group (CABN_ATKLA) with Characteristic Group Name (TCMGT_ATKLT) = 'Criticality Risk Scoring'</li> <li>Derive ABC Indicator value by applying the below categorization on the aggregated value from the last step<br/>Value &gt; 14500, then assign 'A'<br/>Value in Range 101 &lt; 14500, then assign 'B'<br/>Value in Range 0 &lt; 101, then assign 'C'</li> </ul> |
| 23 | PF2, WP2 | ILOA | SWERK   | Maintenance Plant   | S/4 Hana | ILOA | SWERK   | Maintenance Plant   | Value Mapping: Plant (Maintenance Plant = Yes)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 24 | PF2, WP2 | ILOA | BEBER   | Plant Section       | S/4 Hana | ILOA | BEBER   | Plant Section       | Value mapping : Plant Section<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 25 | DCT      | ILOA | EQFNR   | Sort Field          | S/4 Hana | ILOA | EQFNR   | Sort Field          | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 26 | PF2, WP2 | ILOA | BUKRS   | Company Code        | S/4 Hana | ILOA | BUKRS   | Company Code        | Derive the Company code from table 'T001K' where Target Maintenance Plant( SWERK) = T001K_BWKEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 27 | PF2, WP2 | ILOA | KOSTL   | Cost Center         | S/4 Hana | ILOA | KOSTL   | Cost Center         | Value Mapping : Cost Center<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 28 | -        | -    | -       | -                   | S/4 Hana | ILOA | KOKRS   | Controlling Area    | Default to 'CO01' (SYSQ Controlling Area)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 29 | PF2, WP2 | ADRC | NAME1   | Name 1              | S/4 Hana | ADRC | NAME1   | Name 1              | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 30 | PF2, WP2 | ADRC | NAME2   | Name 2              | S/4 Hana | ADRC | NAME2   | Name 2              | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 31 | PF2, WP2 | ADRC | NAME3   | Name 3              | S/4 Hana | ADRC | NAME3   | Name 3              | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 32 | PF2, WP2 | ADRC | NAME4   | Name 4              | S/4 Hana | ADRC | NAME4   | Name 4              | Direct Mapping<br>Overwrite with DCT if provided (as part of enrichment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 33 | PF2, WP2 | ADRC | COUNTRY | Country /Region Key | S/4 Hana | ADRC | COUNTRY | Country /Region Key | Derive Country/ Region from Table T001W where Target Maintenance Plant( SWERK) = T001K_BWKEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## 2. Equipment 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           | -            | zLegacyEQ UNR | Legacy Id             | S/4 Hana      | EQUI         | EQUNR        | Equipment Number      | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 2      | -             | -            | EQTYP         | Equipment Category    | S/4 Hana      | EQUI         | EQTYP        | Equipment Category    | Default to 'M'                                                                                                                                                                                                                                                                                                                                                                                        |
| 3      | DCT           | EQUI         | EQART         | Technical Object Type | S/4 Hana      | EQUI         | EQART        | Technical Object Type | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 4      | DCT           | EQUI         | BRGEW         | Weight                | S/4 Hana      | EQUI         | BRGEW        | Weight                | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 5      | DCT           | EQUI         | GEWEI         | Unit of Weight        | S/4 Hana      | EQUI         | GEWEI        | Unit of Weight        | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 6      | DCT           | EQUI         | INVNR         | Inventory No          | S/4 Hana      | EQUI         | INVNR        | Inventory No          | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 7      | -             | -            | -             | -                     | S/4 Hana      | EQUI         | INBDT        | Start-Up Date         | If derived Target User Status for Equipment from Equipment User Status (STAT) Transformation Rules (ECC) is either of the below:<br>'COMM' (Commissioned)<br>'INSR' (In Service)<br>'OTSR' (Out of Service)<br>'SCR' (Scrap)<br>then assign the date as per Value mapping : OTH_Mig<br>ration_Date Relevant Values A2D (where Object ID "1002" and Field Name = "EQUI-INBDT".<br><br>Else leave blank |
| 8      | DCT           | EQUI         | ANSWT         | Acquisition Value     | S/4 Hana      | EQUI         | ANSWT        | Acquisition Value     | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 9      | DCT           | EQUI         | WAERS         | Currency              | S/4 Hana      | EQUI         | WAERS        | Currency              | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 10     | DCT           | EQUI         | HERST         | Manufacturer          | S/4 Hana      | EQUI         | HERST        | Manufacturer          | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |
| 11     | DCT           | EQUI         | TYPBZ         | Model Number          | S/4 Hana      | EQUI         | TYPBZ        | Model Number          | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                        |

|    |     |      |              |                                |          |      |         |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|-----|------|--------------|--------------------------------|----------|------|---------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | DCT | EQUI | SERGE        | Manufacturer Serial Number     | S/4 Hana | EQUI | SERGE   | Manufacturer Serial Number             | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13 | DCT | EQUI | HERLD        | Country /Region of Manufacture | S/4 Hana | EQUI | HERLD   | Country /Region of Manufacture         | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14 | DCT | EQUI | BAUJJ        | Year of construction           | S/4 Hana | EQUI | BAUJJ   | Year of construction                   | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 15 | DCT | EQUI | BAUMM        | Month of Manufacture           | S/4 Hana | EQUI | BAUMM   | Month of Manufacture                   | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 16 | -   | -    | -            | -                              | S/4 Hana | EQUZ | DATAB   | Valid From Date                        | Assign the date as per Value mapping : OTH_Migration_Date Relevant Values A2D (where Object ID "1002" and Field Name = "EQUI-DATAB").                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 17 | -   | -    | -            | -                              | S/4 Hana | EQUZ | IWERK   | Maintenance Planning Plant             | Copy value populated for Target Maintenance Plant (SWERK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 18 | DCT | EQUZ | INGRP        | Planner Group                  | S/4 Hana | EQUZ | INGRP   | Planner Group                          | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 19 | DCT | EQUZ | GEWRK        | Main work center               | S/4 Hana | EQUZ | GEWRK   | Main work center                       | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 20 | -   | -    | -            | -                              | S/4 Hana | EQUZ | WERGW   | Plant associated with main work center | Copy value populated for Target Maintenance Plant (SWERK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 21 | DCT | EQUZ | SUBMT        | Construction type              | S/4 Hana | EQUZ | SUBMT   | Construction type                      | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 22 | -   | -    | -            | -                              | S/4 Hana | ILOA | ABCKZ   | ABC Indicator                          | Derive the Indicator based on below logic - <ul style="list-style-type: none"> <li>Aggregate values for all Characteristics assigned (in Target CABN) to the Equipment which are relevant for Asset Criticality Analysis i.e. having Characteristic Group (CABN_ATKLA) with Characteristic Group Name (TCMGT_ATKLT) = 'Criticality Risk Scoring'</li> <li>Derive ABC Indicator value by applying the below categorization on the aggregated value from the last step<br/>Value &gt; 14500, then assign 'A'<br/>Value in Range 101 &lt; 14500, then assign 'B'<br/>Value in Range 0 &lt; 101, then assign 'C'</li> </ul> |
| 23 | DCT | ILOA | SWERK        | Maintenance Plant              | S/4 Hana | ILOA | SWERK   | Maintenance Plant                      | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 24 | -   | -    | -            | -                              | S/4 Hana | ILOA | BEBER   | Plant Section                          | Copy the Plant Section value assigned to the Target Superordinate Equipment (HEQUI) if populated else copy the Plant Section value assigned to the populated Target Functional Location (TPLNR)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 25 | DCT | ILOA | EQFNR        | Sort Field                     | S/4 Hana | ILOA | EQFNR   | Sort Field                             | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 26 | -   | -    | -            | -                              | S/4 Hana | ILOA | BUKRS   | Company Code                           | Derive the Company code from table 'T001K' where Target Maintenance Plant( SWERK) = T001K_BWKEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 27 | DCT | ILOA | zLegacyKOSTL | Cost Center                    | S/4 Hana | ILOA | KOSTL   | Cost Center                            | Value mapping : Cost Center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 28 | -   | -    | -            | -                              | S/4 Hana | ILOA | KOKRS   | Controlling Area                       | Default to 'CO01' (SYSQ Controlling Area)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 29 | DCT | ADRC | NAME1        | Name 1                         | S/4 Hana | ADRC | NAME1   | Name 1                                 | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 30 | DCT | ADRC | NAME2        | Name 2                         | S/4 Hana | ADRC | NAME2   | Name 2                                 | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 31 | DCT | ADRC | NAME3        | Name 3                         | S/4 Hana | ADRC | NAME3   | Name 3                                 | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 32 | DCT | ADRC | NAME4        | Name 4                         | S/4 Hana | ADRC | NAME4   | Name 4                                 | Direct Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 33 | DCT | ADRC | COUNTRY      | Country /Region Key            | S/4 Hana | ADRC | COUNTRY | Country /Region Key                    | Derive Country/ Region from Table T001W where Target Maintenance Plant( SWERK) = T001K_BWKEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 3. Equipment Short Text 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      | EQKT         | EQUNR        | Equipment Number   | S/4 Hana      | EQUI         | EQUNR        | Equipment Number   | Key to link to the Equipment Master                                                                                                                                                                                                                                                                                                                          |
| 2      | PF2, WP2      | EQKT         | SPRAS        | Language Key       | S/4 Hana      | EQKT         | SPRAS        | Language Key       | Direct Mapping<br><br>Overwrite with DCT if provided (as part of enrichment) as below <ul style="list-style-type: none"> <li>If Description of Equipment (English) is populated in DCT, then SPRAS = 'E'.</li> <li>If Description of Equipment (Local Language of Plant) is populated in DCT, then SPRAS = Language Key (Local Language of Plant)</li> </ul> |

|   |          |      |       |                          |          |      |       |                          |                                                                                                   |
|---|----------|------|-------|--------------------------|----------|------|-------|--------------------------|---------------------------------------------------------------------------------------------------|
| 3 | PF2, WP2 | EQKT | EQKTX | Description of Equipment | S/4 Hana | EQKT | EQKTX | Description of Equipment | Direct Mapping<br>Convert to Upper Case<br>Overwrite with DCT if provided (as part of enrichment) |
|---|----------|------|-------|--------------------------|----------|------|-------|--------------------------|---------------------------------------------------------------------------------------------------|

#### 4. Equipment 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           | -            | zLegacyEQU NR | Legacy Id                           | S/4 Hana      | EQKT         | EQUNR        | Equipment Number         | Key to link to the Equipment Master     |
| 2      | -             | -            | -             | -                                   | S/4 Hana      | EQKT         | SPRAS        | Language Key             | Default to 'E'                          |
| 3      | DCT           | EQKT         | EQKTX_EN      | Description of Equipment ( English) | S/4 Hana      | EQKT         | EQKTX        | Description of Equipment | Direct Mapping<br>Convert to Upper Case |

#### UNION

| Rule # | Source system | Source Table | Source Field  | Source Description                                 | Target System | Target Table | Target Field | Target Description       | Transformation Logic                    |
|--------|---------------|--------------|---------------|----------------------------------------------------|---------------|--------------|--------------|--------------------------|-----------------------------------------|
| 1      | DCT           | -            | zLegacyEQ UNR | Legacy Id                                          | S/4 Hana      | EQKT         | EQUNR        | Equipment Number         | Key to link to the Equipment Master     |
| 2      | DCT           | EQKT         | SPRAS_LC      | Language Key (Local Language of Plant)             | S/4 Hana      | EQKT         | SPRAS        | Language Key             | Direct Mapping                          |
| 3      | DCT           | EQKT         | EQKTX_LC      | Description of Equipment (Local Language of Plant) | S/4 Hana      | EQKT         | EQKTX        | Description of Equipment | Direct Mapping<br>Convert to Upper Case |

#### 5. Equipment Installation Transformation Rule

| Rule # | Source system | Source Table | Source Field | Source Description      | Target System | Target Table       | Target Field | Target Description      | Transformation Logic        |
|--------|---------------|--------------|--------------|-------------------------|---------------|--------------------|--------------|-------------------------|-----------------------------|
| 1      | PF2, WP2, DCT | EQUI         | EQUNR        | Equipment Number        | S/4 Hana      | EQUI               | EQUNR        | Equipment Number        | Value Mapping: Equipment    |
| 2      | PF2, WP2, DCT | EQUZ         | HEQUI        | Superordinate Equipment | S/4 Hana      | EQUZ               | HEQUI        | Superordinate Equipment | Value Mapping: Equipment    |
| 3      | PF2, WP2, DCT | ILOA         | TPLNR        | Functional Location     | S/4 Hana      | ILOA               | TPLNR        | Functional Location     | Direct Mapping              |
| 4      | -             | -            | -            | -                       | S/4 Hana      | DATA_INSTALL       | INST_DATE    | Installation Date       | Default Current System Date |
| 5      | -             | -            | -            | -                       | S/4 Hana      | DATA_INSTALL       | INST_TIME    | Installation Time       | Default Current System Time |
| 6      | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | STORT        | -                       | Default 'E'                 |
| 7      | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | MSGRP        | -                       | Default 'E'                 |
| 8      | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | BEBER        | -                       | Default 'E'                 |
| 9      | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | PPSID        | -                       | Default 'E'                 |
| 10     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | ABCKZ        | -                       | Default 'E'                 |
| 11     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | EQFNR        | -                       | Default 'E'                 |
| 12     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | GSBER        | -                       | Default 'E'                 |
| 13     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | KOSTL        | -                       | Default 'E'                 |
| 14     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | PROID        | -                       | Default 'E'                 |
| 15     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | DAUFN        | -                       | Default 'E'                 |
| 16     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | AUFNR        | -                       | Default 'E'                 |
| 17     | -             | -            | -            | -                       | S/4 Hana      | INHERITANCE_FL AGS | IWERK        | -                       | Default 'E'                 |

|    |   |   |   |   |          |                       |       |   |             |
|----|---|---|---|---|----------|-----------------------|-------|---|-------------|
| 18 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | INGRP | - | Default 'E' |
| 19 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | GEWRK | - | Default 'E' |
| 20 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | RBNR  | - | Default 'E' |
| 21 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | VKORG | - | Default 'E' |
| 22 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | VTWEG | - | Default 'E' |
| 23 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | SPART | - | Default 'E' |
| 24 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | ADRNR | - | Default 'E' |
| 25 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | VKBUR | - | Default 'E' |
| 26 | - | - | - | - | S/4 Hana | INHERITANCE_FL<br>AGS | VKGRP | - | Default 'E' |

Note - Equipment Installation Target is based on BAPI\_EQUI\_INSTALL structure

## 6. Equipment Classification 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      | EQUI         | EQUNR        | Equipment Number       | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                        | Value Mapping: Equipment                                                                                                                                                                                                                                   |
| 2      | -             | -            | -            | -                      | S/4 Hana      | KSSK         | KLART        | Class Type                              | Default to '002'                                                                                                                                                                                                                                           |
| 3      | -             | -            | -            | -                      | S/4 Hana      | INOB         | OBTAB        | Name of Database Table for Object       | Default to 'EQUI'                                                                                                                                                                                                                                          |
| 4      | -             | -            | -            | -                      | S/4 Hana      | KSSK         | CLASS        | Class Name                              | Default below Classes - <ul style="list-style-type: none"> <li>■ 'EAM_9999' (General Class)</li> <li>■ EAM_&lt;TOT&gt; (Tech Object EQART assigned to Equipment)<br/>For e.x if EQUART = '01_01_001', then assign 'EAM_01_01_001' as the Class.</li> </ul> |
| 5      | PF2, WP2      | CABN         | ATNAM        | Characteristic Name    | S/4 Hana      | AUSP         | ATNAM        | Characteristic Name                     | Derive the Target Value as below:<br><br>Step1- Use Value mapping: Characteristic A2D (Staging) to get the Staging Characteristic;<br><br>Step2 - Use Value mapping: Characteristic A2D to get the Target Characteristic                                   |
| 6      | PF2, WP2      | AUSP         | POSNR        | Item Number            | S/4 Hana      | AUSP         | POSNR        | Item Number                             | Direct Mapping                                                                                                                                                                                                                                             |
| 7      | PF2, WP2      | AUSP         | ATFLV        | Numerical Value - From | S/4 Hana      | AUSP         | ATFLV        | Numerical Value - From (Floating Point) | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 8      | PF2, WP2      | AUSP         | ATFLB        | Numerical Value - To   | S/4 Hana      | AUSP         | ATFLB        | Numerical Value - To (Floating Point)   | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 9      | PF2, WP2      | AUSP         | ATFLV        | Date Interval - From   | S/4 Hana      | AUSP         | DATE_FROM    | Lower Boundary for Date - Interval      | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 10     | PF2, WP2      | AUSP         | ATFLB        | Date Interval - To     | S/4 Hana      | AUSP         | DATE_TO      | Upper Boundary for Date - Interval      | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 11     | PF2, WP2      | AUSP         | ATFLV        | Time Interval - From   | S/4 Hana      | AUSP         | TIME_FROM    | Lower Boundary for Time - Interval      | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 12     | PF2, WP2      | AUSP         | ATFLB        | Time Interval - To     | S/4 Hana      | AUSP         | TIME_TO      | Upper Boundary for Time - Interval      | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 13     | PF2, WP2      | AUSP         | ATFLV        | Currency Value - From  | S/4 Hana      | AUSP         | ATFLV        | Currency Value - From (Floating Point)  | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 14     | PF2, WP2      | AUSP         | ATFLB        | Currency Value - To    | S/4 Hana      | AUSP         | ATFLB        | Currency Value - To (Floating Point)    | Convert existing Legacy value to Float                                                                                                                                                                                                                     |
| 15     | PF2, WP2      | AUSP         | ATWRT        | Characteristic Value   | S/4 Hana      | AUSP         | ATWRT        | Characteristic Value                    | Direct Mapping                                                                                                                                                                                                                                             |

## 7. Equipment 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           | -            | zLegacyEQU NR | Legacy Id            | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                  | Value Mapping: Equipment |
| 2      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | KLART        | Class Type                        | Default to '002'         |
| 3      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | OBTAB        | Name of Database Table for Object | Default to 'EQUI'        |
| 4      | DCT           | KSSK         | CLASS         | 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         | 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           | -            | zLegacyEQ UNR | Legacy Id            | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                  | Value Mapping: Equipment                                                                                    |
| 2      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | KLART        | Class Type                        | Default to '002'                                                                                            |
| 3      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | OBTAB        | Name of Database Table for Object | Default to 'EQUI'                                                                                           |
| 4      | DCT           | KSSK         | CLASS         | 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 " - ".<br><br>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 " - ".<br><br>Otherwise, direct mapping.  |
| 8      | DCT           | AUSP         | CURRENCY      | Currency Key         | 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           | -            | zLegacyEQ UNR | Legacy Id            | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                  | Value Mapping: Equipment                                                                                    |
| 2      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | KLART        | Class Type                        | Default to '002'                                                                                            |
| 3      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | OBTAB        | Name of Database Table for Object | Default to 'EQUI'                                                                                           |
| 4      | DCT           | KSSK         | CLASS         | 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 " - ".<br><br>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 " - ".<br><br>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           | -            | zLegacyEQ UNR | Legacy Id          | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                  | Value Mapping: Equipment |
| 2      | -             | -            | -             | -                  | S/4 Hana      | KSSK         | KLART        | Class Type                        | Default to '002'         |
| 3      | -             | -            | -             | -                  | S/4 Hana      | KSSK         | OBTAB        | Name of Database Table for Object | Default to 'EQUI'        |

|   |     |      |       |                      |          |      |       |                             |                                                                                                             |
|---|-----|------|-------|----------------------|----------|------|-------|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| 4 | DCT | KSSK | CLASS | 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 " - ".<br><br>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 " - ".<br><br>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           | -            | zLegacyEQ UNR | Legacy Id            | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                  | Value Mapping: Equipment                                                                                    |
| 2      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | KLART        | Class Type                        | Default to '002'                                                                                            |
| 3      | -             | -            | -             | -                    | S/4 Hana      | KSSK         | OBTAB        | Name of Database Table for Object | Default to 'EQUI'                                                                                           |
| 4      | DCT           | KSSK         | CLASS         | 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         | TIME_FR OM   | Characteristic Value (From)       | If range: values concatenated using " - ", derive the value before " - ".<br><br>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 " - ".<br><br>Otherwise, direct mapping.  |
| 8      | DCT           | AUSP         | POSNR         | Item Number          | S/4 Hana      | AUSP         | POSNR        | Item Number                       | Direct Mapping                                                                                              |

## 8. Equipment 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           | -            | zLegacyEQUNR     | Legacy Id             | S/4 Hana      | EQUI         | EQUNR        | Equipment Number   | Key to link to the Equipment Master |
| 2      | -             | -            | -                | -                     | S/4 Hana      | IHPA         | OBTYP        | Object Type        | Default to 'IEQ'                    |
| 3      | -             | -            | -                | -                     | S/4 Hana      | IHPA         | PARVW        | Partner Function   | Default to 'Z1' (Asset Owner)       |
| 4      | DCT           | IHPA         | zLegacyPARN R_Z1 | Partner (Asset Owner) | S/4 Hana      | IHPA         | PARNR        | Partner            | 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      | DCT           | -            | zLegacyEQUNR     | Legacy Id                  | S/4 Hana      | EQUI         | EQUNR        | Equipment Number   | Key to link to the Equipment Master |
| 2      | -             | -            | -                | -                          | S/4 Hana      | IHPA         | OBTYP        | Object Type        | Default to 'IEQ'                    |
| 3      | -             | -            | -                | -                          | S/4 Hana      | IHPA         | PARVW        | Partner Function   | Default to 'Z2' (Asset Maintainer)  |
| 4      | DCT           | IHPA         | zLegacyPARN R_Z2 | Partner (Asset Maintainer) | S/4 Hana      | IHPA         | PARNR        | Partner            | 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      | DCT           | -            | zLegacyEQUNR | Legacy Id          | S/4 Hana      | EQUI         | EQUNR        | Equipment Number   | Key to link to the Equipment Master |
| 2      | -             | -            | -            | -                  | S/4 Hana      | IHPA         | OBTYP        | Object Type        | Default to 'IEQ'                    |
| 3      | -             | -            | -            | -                  | S/4 Hana      | IHPA         | PARVW        | Partner Function   | Default to 'Z3' (Vendor Contact)    |

|   |     |      |                     |                             |          |      |       |         |                                   |
|---|-----|------|---------------------|-----------------------------|----------|------|-------|---------|-----------------------------------|
| 4 | DCT | IHPA | zLegacyPARN<br>R_Z2 | Partner (Vendor<br>Contact) | S/4 Hana | IHPA | PARNR | Partner | Value mapping : Contact<br>Person |
|---|-----|------|---------------------|-----------------------------|----------|------|-------|---------|-----------------------------------|

## 9. Equipment 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      | EQUI         | EQUNR        | Equipment Number                     | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                     | Value Mapping: Equipment                                                                                  |
| 2      | -             | -            | -            | -                                    | S/4 Hana      | JSTO         | STSMA        | Status profile of the<br>Equipment   | Default to 'ZEAMEQ01'                                                                                     |
| 3      | PF2, WP2      | JEST         | STAT         | Status Number in<br>User Status List | S/4 Hana      | JEST         | STAT         | Status Number in<br>User Status List | Value Mapping : User Status<br>Equipment<br><br>Overwrite with DCT if provided (as<br>part of enrichment) |

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

## 10. Equipment 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           | -            | zLegacyEQ<br>UNR | Legacy Id                                       | S/4 Hana      | EQUI         | EQUNR        | Equipment Number                     | Value Mapping:<br>Equipment |
| 2      | -             | -            | -                | -                                               | S/4 Hana      | JSTO         | STSMA        | Status profile of the<br>Equipment   | Default to<br>'ZEAMEQ01'    |
| 3      | DCT           | JEST         | STAT_N1          | Sequential Status in the User<br>Status Profile | S/4 Hana      | JEST         | STAT         | Status Number in User<br>Status List | Direct Mapping              |

UNION

| Rule # | Source system | Source Table | Source Field     | Source Description                                                               | Target System | Target Table | Target Field | Target Description                   | Transformation Logic        |
|--------|---------------|--------------|------------------|----------------------------------------------------------------------------------|---------------|--------------|--------------|--------------------------------------|-----------------------------|
| 1      | DCT           | -            | zLegacyEQ<br>UNR | Legacy Id                                                                        | S/4 Hana      | EQUI         | EQUNR        | Equipment<br>Number                  | Value Mapping:<br>Equipment |
| 2      | -             | -            | -                | -                                                                                | S/4 Hana      | JSTO         | STSMA        | Status profile of<br>the Equipment   | Default to<br>'ZEAMEQ01'    |
| 3      | DCT           | JEST         | STAT_X1          | Non-Sequential Status in the User<br>Status Profile - EXHZ (Extremely Hazardous) | S/4 Hana      | JEST         | STAT         | Status Number in<br>User Status List | Direct Mapping              |

UNION

| Rule # | Source system | Source Table | Source Field     | Source Description                                                                   | Target System | Target Table | Target Field | Target Description                   | Transformation Logic        |
|--------|---------------|--------------|------------------|--------------------------------------------------------------------------------------|---------------|--------------|--------------|--------------------------------------|-----------------------------|
| 1      | DCT           | -            | zLegacyEQ<br>UNR | Legacy Id                                                                            | S/4 Hana      | EQUI         | EQUNR        | Equipment<br>Number                  | Value Mapping:<br>Equipment |
| 2      | -             | -            | -                | -                                                                                    | S/4 Hana      | JSTO         | STSMA        | Status profile of<br>the Equipment   | Default to<br>'ZEAMEQ01'    |
| 3      | DCT           | JEST         | STAT_X2          | Non-Sequential Status in the User<br>Status Profile - MTNA (Maintenance Not Allowed) | S/4 Hana      | JEST         | STAT         | Status Number in<br>User Status List | Direct Mapping              |

## 11. Equipment 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:<br>application<br>object | Default to 'EQUI'                                                                          |
| 2      | PF2, WP2      | EQUI         | EQUNR        | Equipment<br>Number | S/4 Hana      | STXH         | TDNAME       | Name                            | Concatenate '000000000' + Target Equipment<br>Number derived from Value Mapping: Equipment |
| 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-EQ Long Text will be migrated

## 12. Equipment 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 'EQUI'                                                                       |
| 2      | DCT           | -            | zLegacyEQ UNR | Legacy Id          | S/4 Hana      | STXH         | TDNAME       | Name                      | Concatenate '000000000' + Target Equipment Number derived from Value Mapping: Equipment |
| 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 'EQUI'                                                                       |
| 2      | DCT           | -            | zLegacyEQ UNR | Legacy Id          | S/4 Hana      | STXH         | TDNAME       | Name                      | Concatenate '000000000' + Target Equipment Number derived from Value Mapping: Equipment |
| 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                                                                          |

## 13. Equipment 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 'EQUI'                                                                       |
| 2      | PF2, WP2      | EQUI         | EQU NR       | Equipment Number   | S/4 Hana      | STXH         | TDNAME       | Name                      | Concatenate '000000000' + Target Equipment Number derived from Value Mapping: Equipment |
| 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         | TDLINE       | Text Line          | S/4 Hana      | STXL         | TDLINE       | Text Line                 | Direct Mapping<br>Convert to Upper Case                                                 |

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

## 14. Equipment 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 'EQUI'                                                                       |
| 2      | DCT           | -            | zLegacyEQ UNR | Legacy Id          | S/4 Hana      | STXH         | TDNAME       | Name                      | Concatenate '000000000' + Target Equipment Number derived from Value Mapping: Equipment |
| 3      | -             | -            | -             | -                  | S/4 Hana      | STXH         | TDID         | Text ID                   | Default to 'LTXT'                                                                       |
| 5      | DCT           | STXH         | TDSPRAS       | Language Key       | S/4 Hana      | STXH         | TDSPRAS      | Language Key              | Default to 'E'                                                                          |
| 6      | -             | -            | -             | -                  | S/4 Hana      | STXL         | TDFORMAT     | Tag column                | Default to ""                                                                           |
| 7      | DCT           | STXL         | TDLINE_EN     | Text Line          | S/4 Hana      | STXL         | TDLINE       | Text Line                 | Direct Mapping<br>Convert to Upper Case                                                 |

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:<br>application<br>object | Default to 'EQUI'                                                                          |
| 2 | DCT | -    | zLegacyEQ<br>UNR | Legacy Id    | S/4 Hana | STXH | TDNAME   | Name                            | Concatenate '000000000' + Target Equipment<br>Number derived from Value Mapping: Equipment |
| 3 | -   | -    | -                | -            | S/4 Hana | STXH | TDID     | Text ID                         | Default to 'LTXT'                                                                          |
| 5 | DCT | STXH | TDSPRAS_<br>LC   | Language Key | S/4 Hana | STXH | TDSPRAS  | Language Key                    | Direct Mapping                                                                             |
| 6 | -   | -    | -                | -            | S/4 Hana | STXL | TDFORMAT | Tag column                      | Default to ""                                                                              |
| 7 | DCT | STXL | TDLINE_LC        | Text Line    | S/4 Hana | STXL | TDLINE   | Text Line                       | Direct Mapping                                                                             |

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<br>Relevant Values A2D | Dates to be defaulted for A2D objects for each Migration Cycle                                                                                                                |
| Assembly and Construction<br>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                                                                                                                                                          |
| Contact Person                            | Old to New Contact Person                                                                                                                                                     |
| Cost Centre                               | Old to New Cost Center                                                                                                                                                        |
| Equipment (Staging)                       | Legacy to Staging Equipment                                                                                                                                                   |
| Equipment                                 | Legacy/Staging to New Equipment                                                                                                                                               |
| Functional Location                       | List of relevant Asset Functional Locations slated for migration, including the Target Technical Object. This will also<br>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                                                                                                                                                      |
| User Status Equipment                     | Old to New Equipment User Status                                                                                                                                              |
| Vendor Number                             | LIFNR: Old Vendor Code to New Vendor Code                                                                                                                                     |
| Work Centre A2D                           | Old to new Work Centre A2D                                                                                                                                                    |

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:<br><br>1. Mandatory Fields<br>2. Field and Value Mapping Correctness<br>3. Null Checks<br>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 Extract and 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 Source Extract & 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 : 1002 Equipment

Pre-Cutover : 1002a Equipment Installation

Pre-Cutover : 1002b Equipment Classification

Pre-Cutover : 1002c Equipment User Status

Pre-Cutover : 1002d Equipment Long Text

Pre-Cutover : 1002e Equipment Partner Assignment

*Note: A separate load program may need to be created for 1002b, 1002c, 1002d, 1002e. 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      | T370T - Equipment Category         |
| 2      | T370K - Object Type                |
| 3      | TCURC - Currency                   |
| 4      | T005 - Country of manufacturer     |
| 5      | T001W - Maintenance Plant          |
| 6      | T357 - Plant Section               |
| 7      | T370C - ABC indicator              |
| 8      | T399I - Planning Plant             |
| 9      | T024I - Planner Group              |
| 10     | TPAR - Business Partner: Functions |
| 11     | T002 - Language Keys               |

## Conversion Objects

| Object # | Preceding Object Conversion Approach  |
|----------|---------------------------------------|
| 1003     | Functional Location                   |
| 1006     | Work Centre                           |
| 1074     | Cost Center                           |
| 1010     | PM Assembly/ Construction Types       |
| 1015     | Characteristics                       |
| 1009     | Class                                 |
| 3018     | Business Partner - FI Vendor (FLVN00) |
| 2019     | Materials - Basic Data View           |
| 2020     | Materials - Purchasing View           |

|      |                |
|------|----------------|
| 3011 | Contact Person |
|------|----------------|

## Error Handling

| Error Type    | Error Description                                 | Action Taken                                                       |
|---------------|---------------------------------------------------|--------------------------------------------------------------------|
| Configuration | Invalid Equipment 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 Superordinate Equipment                   | Expedite whether the master data is changed in the system          |
| Invalid Data  | Invalid Functional Location                       | Expedite whether the master data is changed in the system          |
| Invalid Data  | Invalid Work Centre                               | Expedite whether the master data is changed in the system          |
| Invalid Data  | Invalid 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          |
| Invalid Data  | Invalid Material Number in Inventory Number Field | 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 ADMM 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 Equipment data in target S/4 HANA were loaded correctly via ADMM post load reports or standard reports from S/4 HANA. |

## Business

### Completeness

| Task         | Action                                                                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Verify Count | Download Post Load Reports from ADMM 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 Equipment data in target S/4 HANA were loaded correctly via ADMM 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
- Equipment can't exist stand alone and should always be installed under a Superior Equipment or a Functional Location.
- Material record shall be created for Specific Critical capital spares along with a Fixed Asset record. Equipment related to these critical spares shall be assigned with the material record created as the Inventory Number (INVNR). Sequentially, the Fixed Asset will be updated with the specific Equipment record.
- Equipment having serial no. populated in legacy are spares and are not be migrated as in the Syensqo target design spares will be identified by Material Masters only.
- Any Functional Location relevant for Asset Integration shall be migrated as Equipment and flagged in the Functional Location Mapping.
- For Object being split into multiple Equipment, all data including Master, Classification, Partner, Long Text to be managed using DCT. Split Object to be maintained in the EXC-Equipment exclusion list.
- For Objects being consolidated into one Equipment, the master will be transformed and the slave objects will be maintained in the EXC-Equipment exclusion list.
- Below is the criteria for Critical Materials to be populated as the Inventory Number. Business will be populate the data based on the information provided by functional team.
  - The material must have a cost greater than 15,000 and a useful life exceeding one year.
  - The material type should be either 'UNBW' or 'NLAG'.
  - The "Critical Part" checkbox must be selected in the Purchasing view of the Material Master.

## See also

## Change log

| Version                 | Published                 | Changed By           | Comment |
|-------------------------|---------------------------|----------------------|---------|
| <b>CURRENT (v. 166)</b> | <b>Apr 22, 2026 15:51</b> | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 165</a>  | Apr 22, 2026 14:24        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 164</a>  | Apr 22, 2026 14:11        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 163</a>  | Apr 22, 2026 14:09        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 162</a>  | Apr 22, 2026 14:07        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 161</a>  | Apr 22, 2026 14:05        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 160</a>  | Apr 22, 2026 13:48        | <b>PUN-ext, Eddy</b> |         |
| <a href="#">v. 159</a>  | Apr 22, 2026 13:43        | <b>PUN-ext, Eddy</b> | CR0446  |
| <a href="#">v. 158</a>  | Apr 22, 2026 13:22        | <b>PUN-ext, Eddy</b> |         |

|                        |                    |                                   |
|------------------------|--------------------|-----------------------------------|
| <a href="#">v. 157</a> | Apr 14, 2026 15:30 | <a href="#">JOSHI-ext, Aditya</a> |
|------------------------|--------------------|-----------------------------------|

[Go to Page History](#)

## Workflow history

| Title              | Last Updated By               | Updated            | State                         | Status |
|--------------------|-------------------------------|--------------------|-------------------------------|--------|
| CNV-1002 Equipment | <a href="#">PUN-ext, Eddy</a> | Apr 22, 2026 15:51 | <a href="#">Lead Approval</a> |        |

## Workflow history

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

| From Mar 10, 2026 to Apr 22, 2026            | Actor                                                                                                                 | Type  | Activity                                                                                                                                                                                                                                                        | Version              |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <a href="#">Approved</a>                     | <a href="#">PUN-ext, Eddy and JOSHI-ext, Aditya</a>                                                                   | Edit  | multiple updates from  <a href="#">PUN-ext, Eddy</a> and  <a href="#">JOSHI-ext, Aditya</a> |                      |
| Feb 09, 2026                                 |                                                                                                                       |       |                                                                                                                                                                                                                                                                 |                      |
|                                              |  <a href="#">TAN-ext, Charmaine</a>  | State | changed state to <a href="#">Approved</a> at 10:13 am (State override)<br><div>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</div>                                                                                | <a href="#">v135</a> |
| <a href="#">Lead Approval</a>                |  <a href="#">TAN-ext, Charmaine</a> | State | gave <i>Minor change</i> approval at 10:13 am<br><div>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</div>                                                                                                         |                      |
| Feb 02, 2026                                 |                                                                                                                       |       |                                                                                                                                                                                                                                                                 |                      |
|                                              |  <a href="#">MOUSSA-ext, Eva</a>   | State | changed expiry date to '09 Feb, 2026 10:50 am' at 10:50 am                                                                                                                                                                                                      |                      |
|                                              |                                                                                                                       | State | changed state to <a href="#">Lead Approval</a> at 10:50 am                                                                                                                                                                                                      | <a href="#">v135</a> |
| <a href="#">Edited following Tech Review</a> |  <a href="#">MOUSSA-ext, Eva</a>   | State | gave <i>Minor change</i> approval at 10:50 am<br><div>v. 135 approved with Minor Change</div>                                                                                                                                                                   |                      |