

# CNV-1016 Maintenance Plan and Item

|                     |   |
|---------------------|---|
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## Purpose

The purpose of this document is to define the conversion approach to create Maintenance Plan and Item in S/4 HANA.

Legacy Maintenance Plan and Item is using a diverse range of formats across the different systems. There are instances where the same Maintenance Plan and Item is duplicated within and across sources. This results in data inconsistency. As per SyWay design, EAM Maintenance Plan and Item will be standardized.

A Maintenance Strategy for an asset is established based on the Asset Management Plan, which outlines how the asset will be maintained throughout its lifecycle.

Syensqo defines both Preventive and Reactive Work Maintenance Strategies using a Maintenance Plans.

A Maintenance Item is an Integrated master data object created with the Maintenance plan, These Maintenance Items are used to update technical object that requires maintenance, along with its associated Task List.

Maintenance Plans for Syensqo are defined with the Purpose of:

- Preventive Plans - Used for Time Based and Condition based Preventive Maintenance with a defined Strategy
- Shutdown Plans - Shutdown Plans with a Defined Strategy

Maintenance Plans and Items are TIER 3 Governed objects

## Conversion Scope

The scope of this document covers the approach for converting Maintenance Plan and Item from Legacy Source Systems into S/4HANA following the Maintenance Plan and Item Master Data Design Standard.

A Maintenance Plan is a scheduling framework that determines timing and frequency of proactive maintenance tasks.

Key features:

- Can include one or more maintenance items
- Drives the proactive schedule maintenance calls (notifications/orders)

A Maintenance Item specifies the responsibilities, technical object and a task list to be performed. It defines:

- The equipment, functional location, or object list to be maintained
- The planner group and activity types
- The task list describing detailed operations

Key features:

- Multiple items can be assigned to one plan
- Each item can have its own task list
- Enables tracking of proactive maintenance history per object

The data from legacy system includes:

1. Maintenance Plan (MPLA-WARPL) that has at least 1 relevant Maintenance Item (MPOS-WAPOS)
2. Maintenance Items (MPOS-WAPOS) that has at least 1 valid task list:
  - Task List Type (PLKO-PLNTY) can be any of: **A** - General Maintenance Task List; **E** - Equipment Task List; **T** - Task List for Functional Location
  - Task List Status (PLKO-STATU) can be any of: **2** - Released for Order; **3** - Released for Costing; **4** - Released (General)
  - Task List Usage (PLKO-VERWE) = "004"
3. Maintenance Items (MPOS-WAPOS) that has at least 1 active
  - legacy Functional Location (IFLOT-TPLNR) - Source System Status not **INAC** or **DLFL QR**
  - legacy Equipment (EQUI-EQUNR) - Source System Status not **INAC** or **ESTO** or **AVLB**
4. Maintenance Items (MPOS-WAPOS) having Maintenance Planning Plant (MPOS-IWERK) in scope - Refer to Value Mapping: Plant (Maintenance Plant = Yes)
5. Maintenance Items assigned to assembly (MPOS-BAUTL) with no Functional Location or Equipment assigned will added to DCT as an equipment/sub-equipment by business.

The data from legacy system excludes:

1. Maintenance Plan with delete system status (System Status TJ02T-TXT04 = DLFL)
2. Maintenance Items (MPOS-WAPOS) that are not assigned to Maintenance Plan (MPLA-WARPL)
3. Maintenance Items assigned to assembly (MPOS-BAUTL) with no Functional Location or Equipment assigned will be excluded from ECC transformation

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 | <b>Maintenance Plan:</b><br>Relevant Maintenance Plan will be extracted from PF2 and WP2          | 70,000                       | S/4HANA       | 70,000                       |
| PF2, WP2 | <b>Maintenance Items:</b><br>Relevant Maintenance Item will be extracted from PF2 and WP2         | 74,000                       | S/4HANA       | 74,000                       |
| DCT      | Maintenance Plan and Maintenance Item for plants which do not have data existing from PF2 and WP2 | TBD                          | S/4HANA       | TBD                          |

## Additional Information

### Multi-language Requirement

Maintenance Plan description will be made available in English.

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

### Document Management

Not Applicable

### Legal Requirement

Not Applicable

### Special Requirements

Not Applicable

## Target Design

The technical design of the target for this conversion approach.

### 1.Maintenance Plan

| Table | Field           | Data Element                 | Field Description  | Data Type | Length | Requirement         |
|-------|-----------------|------------------------------|--|-----------|--------|---------------------|
| MPLA  | WARPL           | WARPL                        | Maintenance Plan   | CHAR      | 12     | System<br>Key field |
| MPLA  | MPTYP           | MPTYP                        | Maintenance plan category                                | CHAR      | 2      | Mandatory           |
| MPLA  | STRAT           | STRAT                        | Maintenance strategy                                     | CHAR      | 6      | Mandatory           |
| MPLA  | WPTXT           | WPTXT                        | Maintenance Plan Text                                    | CHAR      | 40     | Mandatory           |
| MPLA  | VSPOS           | VERSCHPLUS                   | Shift Factor for Late Completion                         | NUMC      | 3      | Conditional         |
| MPLA  | TOPOS           | TOLERPLUS                    | Tolerance for Late Completion (%)                        | NUMC      | 3      | Conditional         |
| MPLA  | TONEG           | TOLERNEG                     | Tolerance for Early Completion (%)                       | NUMC      | 3      | Conditional         |
| MPLA  | VSNEG           | VERSCHNEG                    | Shift Factor for Early Completion                        | NUMC      | 3      | Conditional         |
| MPLA  | SFAKT           | SFAKT                        | Cycle modification factor                                | DEC       | 3(2)   | Conditional         |
| MPLA  | FABKL           | FABKL                        | Factory calendar key                                     | CHAR      | 2      | Conditional         |
| MPLA  | HORIZ           | HORIZONT                     | Call horizon for maintenance plan calls                  | NUMC      | 3      | Mandatory           |
| MPLA  | HORIZ_QUALIFIER | EAM_CC_CALLHORIZON_QUALIFIER | Calculation Type of Call Horizon                         | CHAR      | 1      | Mandatory           |
| MPLA  | ABRHO           | ABRHO                        | Scheduling Period  | NUMC      | 3      | Mandatory           |
| MPLA  | HUNIT           | HUNIT                        | Unit for Scheduling Period                               | UNIT      | 3      | Mandatory           |
| MPLA  | CALL_CONFIRM    | CALL_CONFIRM                 | Only Create New Call Object After Completing Predecessor | CHAR      | 1      | Conditional         |

|       |                     |                         |   |      |    |             |
|-------|---------------------|-------------------------|---|------|----|-------------|
| MPLA  | STADT               | STADT                   | Start date  | DATS | 8  | Conditional |
| RMIPM | ZEIT                | TIME_KNZ                | Indicator for selection of time-based maintenance | CHAR | 1  | Conditional |
| MPLA  | STICH               | TERMKNZ                 | Scheduling indicator                              | CHAR | 1  | Conditional |
| MPLA  | PLAN_SORT           | PLAN_SORT               | Sort field for maintenance plans                  | CHAR | 20 | Mandatory   |
| MPLA  | ENDDT_FOR_SCH<br>ED | EAM_ENDDT_FOR_SCH<br>ED | End Date for Scheduling                           | DATS | 8  | Conditional |
| RMIPM | POINT               | IMRC_POINT              | Measuring Point                                   | CHAR | 12 | Conditional |

## 2.Maintenance Plan Long Text Header

| Table | Field    | Data Element | Field Description         | Data Type | Length | Requirement            |
|-------|----------|--------------|---------------------------|-----------|--------|------------------------|
| STXH  | TDOBJECT | TDOBJECT     | Texts: application object | CHAR      | 10     | Mandatory<br>Key field |
| STXH  | TDNAME   | TDOBNAME     | Name                      | CHAR      | 70     | Mandatory<br>Key field |
| STXH  | TDID     | TDID         | Text ID                   | CHAR      | 4      | Mandatory<br>Key field |
| STXH  | TDSPRAS  | SPRAS        | Language Key              | LANG      | 1      | Mandatory<br>Key field |

## 3.Maintenance Plan Long Text Line

| Table | Field      | Data Element | Field Description            | Data Type | Length | Requirement            |
|-------|------------|--------------|------------------------------|-----------|--------|------------------------|
| STXL  | RELID      | SYCHAR02     | CHAR02 data element for SYST | CHAR      | 2      | Mandatory<br>Key field |
| STXL  | TDOBJECT   | TDOBJECT     | Texts: application object    | CHAR      | 10     | Mandatory<br>Key field |
| STXL  | TDNAME     | TDOBNAME     | Name                         | CHAR      | 70     | Mandatory<br>Key field |
| STXL  | TDID       | TDID         | Text ID                      | CHAR      | 4      | Mandatory<br>Key field |
| STXL  | TDSPRAS    | SPRAS        | Language Key                 | LANG      | 1      | Mandatory<br>Key field |
| STXL  | CLUSTD_TAG | TDFORMAT     | Tag column                   | CHAR      | 1      | Mandatory              |
| STXL  | ROWCOUNT   | ROWCOUNT     | Row number                   | NUMC      | 10     | Mandatory              |
| STXL  | TXLINE     | TDLINE       | Text Line                    | CHAR      | 72     | Mandatory              |

Note:

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

## 4.Maintenance Item

| Table | Field | Data Element | Field Description | Data Type | Length | Requirement            |
|-------|-------|--------------|-------------------|-----------|--------|------------------------|
| MPLA  | WARPL | WARPL        | Maintenance Plan  | CHAR      | 12     | System<br>Link to MPLA |
| MPOS  | WAPOS | WAPOS        | Maintenance item  | CHAR      | 16     | System<br>Key field    |
| MPOS  | PSTXT | POSTXT       | Item Short Text   | CHAR      | 40     | Mandatory              |

|       |        |        |  |      |      |             |
|-------|--------|--------|--|------|------|-------------|
| MPOS  | AUART  | AUFART | Order Type                             | CHAR | 4    | Mandatory   |
| MPOS  | PRIOK  | PRIOK  | Priority                               | CHAR | 1    | Mandatory   |
| MPOS  | PLNTY  | PLNTY  | Task List Type                         | CHAR | 1    | Mandatory   |
| MPOS  | PLNNR  | PLNNR  | Key for Task List Group                | CHAR | 8    | Mandatory   |
| MPOS  | PLNAL  | PLNAL  | Group Counter                          | CHAR | 2    | Mandatory   |
| MPOS  | WPGRP  | INGRP  | Maintenance Planner Group              | CHAR | 3    | Conditional |
| MPOS  | APFKT  | APFKT  | Execution factor for whole task list   | DEC  | 3(0) | Conditional |
| MPOS  | ANLZU  | ANLZU  | System Condition                       | CHAR | 1    | Conditional |
| MPOS  | ILART  | ILA    | Maintenance activity type              | CHAR | 3    | Mandatory   |
| RMIPM | TPLNR  | TPLNR  | Functional Location                    | CHAR | 30   | Mandatory   |
| RMIPM | EQU NR | EQU NR | Equipment Number                       | CHAR | 18   | Conditional |
| MPOS  | IWERK  | IWERK  | Maintenance Planning Plant             | CHAR | 4    | System      |
| RMIPM | GEWRK  | GEWRK  | Main work Centre for maintenance tasks | CHAR | 8    | Conditional |
| RMIPM | WERGW  | WERGW  | Plant associated with main work center | CHAR | 4    | System      |

Note: Each Maintenance Plan can have multiple Maintenance Items

#### 5.Maintenance Item Long Text Header

| Table | Field    | Data Element | Field Description         | Data Type | Length | Requirement |
|-------|----------|--------------|---------------------------|-----------|--------|-------------|
| STXH  | TDOBJECT | TDOBJECT     | Texts: application object | CHAR      | 10     | Mandatory   |
| STXH  | TDNAME   | TDOBNAM E    | Name                      | CHAR      | 70     | Mandatory   |
| STXH  | TDID     | TDID         | Text ID                   | CHAR      | 4      | Mandatory   |
| STXH  | TDSPRAS  | SPRAS        | Language Key              | LANG      | 1      | Mandatory   |

#### 6.Maintenance Item Long Text Line

| Table | Field      | Data Element | Field Description            | Data Type | Length | Requirement            |
|-------|------------|--------------|------------------------------|-----------|--------|------------------------|
| STXL  | RELID      | SYCHAR02     | CHAR02 data element for SYST | CHAR      | 2      | Mandatory<br>Key field |
| STXL  | TDOBJECT   | TDOBJECT     | Texts: application object    | CHAR      | 10     | Mandatory<br>Key field |
| STXL  | TDNAME     | TDOBNAM E    | Name                         | CHAR      | 70     | Mandatory<br>Key field |
| STXL  | TDID       | TDID         | Text ID                      | CHAR      | 4      | Mandatory<br>Key field |
| STXL  | TDSPRAS    | SPRAS        | Language Key                 | LANG      | 1      | Mandatory<br>Key field |
| STXL  | CLUSTD_TAG | TDFORMAT     | Tag column                   | CHAR      | 1      | Mandatory              |
| STXL  | ROWCOUNT   | ROWCOUNT     | Row number                   | NUMC      | 10     | Mandatory              |
| STXL  | TXLINE     | TDLIN E      | Text Line                    | CHAR      | 72     | Mandatory              |

Note:

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

#### 7.Maintenance Item Object List

| Table | Field | Data Element | Field Description | Data Type | Length | Requirement |
|-------|-------|--------------|-------------------|-----------|--------|-------------|
|-------|-------|--------------|-------------------|-----------|--------|-------------|

|      |       |        |                        |      |    |                     |
|------|-------|--------|------------------------|------|----|---------------------|
| MPOS | WAPOS | WAPOS  | Maintenance item       | CHAR | 16 | Link to MPOS        |
| OBJK | OBKNR | OBJKNR | Object list number     | INT8 | 19 | System<br>Key field |
| OBJK | OBZAE | OBJZA  | Object list counters   | INT4 | 10 | System<br>Key field |
| OBJK | SORTF | OBSORT | Object list sort field | CHAR | 20 | Conditional         |
| OBJK | TPLNR | TPLNR  | Functional Location    | CHAR | 30 | Conditional         |
| OBJK | EQUNR | EQUNR  | Equipment Number       | CHAR | 18 | Conditional         |

Note: Each Maintenance Item can have multiple Objects or no Object at all. Not applicable if both Functional Location and Equipment Number are blank.

#### 8.Maintenance Plan (Characteristics Values Header)

| Table | Field | Data Element | Field Description                 | Data Type | Length | Requirement  |
|-------|-------|--------------|-----------------------------------|-----------|--------|--------------|
| MPLA  | WARPL | WARPL        | Maintenance Plan                  | CHAR      | 12     | Link to MPLA |
| KLAH  | KLART | KLASSENART   | Class Type                        | CHAR      | 3      | Mandatory    |
| INOB  | OBTAB | TABELLE      | Name of Database Table for Object | CHAR      | 30     | Mandatory    |
| KLAH  | CLASS | KLASSE_D     | Class number                      | CHAR      | 18     | Mandatory    |
| INOB  | OBJEK | CUOBN        | Key of Object                     | CHAR      | 90     | Mandatory    |
| KLAH  | STATU | KLSTATUS     | Class Status                      | CHAR      | 1      | Mandatory    |

#### 9.Maintenance Plan (Characteristics Values Allocation)

| Table | Field | Data Element | Field Description                 | Data Type | Length | Requirement  |
|-------|-------|--------------|-----------------------------------|-----------|--------|--------------|
| MPLA  | WARPL | WARPL        | Maintenance Plan                  | CHAR      | 12     | Link to MPLA |
| KLAH  | KLART | KLASSENART   | Class Type                        | CHAR      | 3      | Mandatory    |
| INOB  | OBTAB | TABELLE      | Name of Database Table for Object | CHAR      | 30     | Mandatory    |
| KLAH  | CLASS | KLASSE_D     | Class number                      | CHAR      | 18     | Mandatory    |
| INOB  | OBJEK | CUOBN        | Key of Object                     | CHAR      | 90     | Mandatory    |
| CABN  | ATNAM | ATNAM        | Characteristic Name               | CHAR      | 30     | Mandatory    |
| AUSP  | ATWRT | ATWRT        | Characteristic Value              | CHAR      | 30     | Mandatory    |
| KSML  | POSNR | KPOSNR       | Item Number                       | CHAR      | 3      | Mandatory    |

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

## Data Cleansing

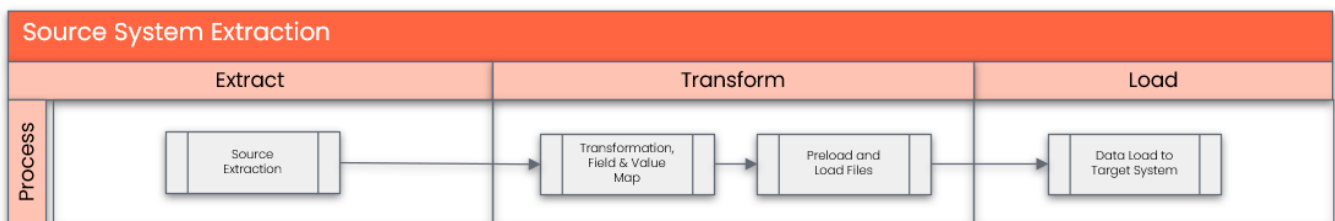
| ID       | Criticality | Error Message/Report Description   | Rule   | Output   | Source System |
|----------|-------------|--|--|--|---------------|
| 1016-001 | C3          | Info Report: Maintenance Item: Assigned Equipment is not Active. These Maintenance Items are not relevant for migration.           | Maintenance Plan with Maintenance Item assigned with an Equipment that belong to the criteria below: <ul style="list-style-type: none"> <li>Equipment (Source System Status is any of these: INAC ESTO AVLB)</li> </ul>          | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Equipment           | PF2, WP2      |
| 1016-002 | C3          | Info Report: Maintenance Item: Assigned Functional Location is not Active. These Maintenance Items are not relevant for migration. | Maintenance Plan with Maintenance Item assigned with a Functional Location belong to the criteria below: <ul style="list-style-type: none"> <li>Functional Location (Source System Status is any of these: INAC DLFL)</li> </ul> | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Functional Location | PF2, WP2      |

|          |                |  |  |   |          |
|----------|----------------|--|--|---|----------|
| 1016-003 | C3             | Info Report: Maintenance Item: Assigned Task List is not Active. These Maintenance Items are not relevant for migration. | Maintenance Plan with Maintenance Item assigned with a Task List does <b>not</b> belong to the criteria below: <ul style="list-style-type: none"> <li>Task List Type (PLKO-PLNTY) can be any of: <b>A</b> - General Maintenance Task List; <b>E</b> - Equipment Task List; <b>T</b> - Task List for Functional Location</li> <li>Task List Status (PLKO-STATU) can be any of: <b>2</b> - Released for Order; <b>3</b> - Released for Costing; <b>4</b> - Released (General)</li> <li>Task List Usage (PLKO-VERWE) = "004"</li> </ul> | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Task List                      | PF2, WP2 |
| 1016-004 | C2             | Maintenance Plan: Duplicate Maintenance Plan by Technical Object   | Maintenance Plan and Items as per Relevancy Criteria where there is more than Maintenance Plan assigned to the same Technical Object   | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Functional Location, Equipment | PF2, WP2 |
| 1016-005 | C1             | Maintenance Item-Priority: is blank  | Maintenance Plan and Items as per Relevancy Criteria where the Priority is blank   | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Priority                       | PF2, WP2 |
| 1016-006 | C1             | Maintenance Plan-Sort field: is blank  | Maintenance Plan and Items as per Relevancy Criteria where the Sort field is blank   | Maintenance Plan, Description, Maintenance Item, Item Short Text, Plant, Sort field                     | PF2, WP2 |
| 1016-007 | C2             | Maintenance Plan-Description: Informally deleted   | Maintenance Plan and Items as per Relevancy Criteria where Description contains: <ol style="list-style-type: none"> <li>DELETE</li> <li>DEL</li> </ol>   | Maintenance Plan, Description   | PF2, WP2 |
| 1016-008 | C3             | Info Report: Maintenance Plan: Long Text for cleansing   | Long Text for Manual Review.<br><i>Note: This is used to create <b>Inclusion-Maintenance Plan Long Text</b> . Business will then select which Long Text are still relevant from <b>Inclusion-Maintenance Plan Long Text</b>.</i>   | Maintenance Plan, Description   | PF2, WP2 |
| 1016-009 | C3             | Info Report: Maintenance Item: Long Text for cleansing   | Long Text for Manual Review.<br><i>Note: This is used to create <b>Inclusion-Maintenance Item Long Text</b> . Business will then select which Long Text are still relevant from <b>Inclusion-Maintenance Item Long Text</b>.</i>   | Maintenance Item, Description, Plant  | PF2, WP2 |
| 1016-010 | C2             | Maintenance Items assigned to assembly only  | Maintenance Items assigned to assembly with no Functional Location or Equipment assigned.<br><i>Note: This is a list of Maintenance Items for business to create in DCT as enrichment activity.</i>  | Maintenance Item, Description, Plant  | PF2, WP2 |
| 1016-011 | Not Applicable | External Cleansing Report: Maintenance Plan not in SAP   | Business to create the Maintenance Plans in legacy as part of this cleansing activity.<br><br>Note: This will be a business-led cleansing activity to be executed as part of the SyWay process.<br><br>No report development by ADMM   | Not Applicable  | PF2, WP2 |

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

## Conversion Process

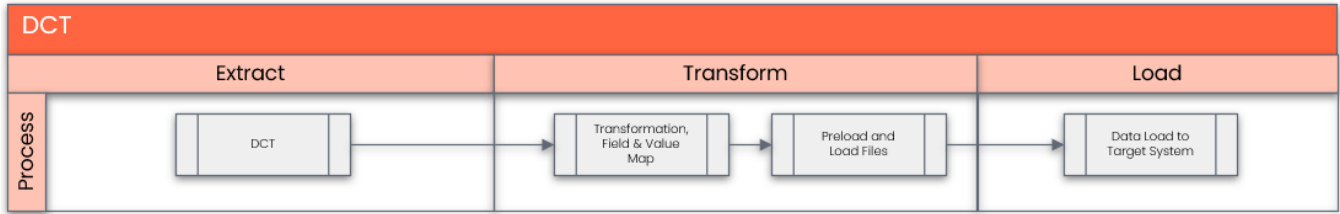
The high-level process is represented by the diagram below:



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

- For sites not on SAP-PF2 or WP2 systems

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



## Data Privacy and Sensitivity

Not Applicable

## Extraction

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

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

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  |

## 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 data with exception of some fields which require transformation as mentioned in the transformation rule.

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

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

Format:

- **Line 1:** Mandatory / Conditional
- **Line 2:** Remaining text

### 1.Maintenance Plan Data Construction Rules

| Field Name | Field Description | Rule |
|------------|-------------------|------|
|------------|-------------------|------|

|              |   |   |
|--------------|---|---|
| zLegacyWARPL | Legacy Maintenance Plan                 | Mandatory.<br>Key field   |
| STRAT        | Maintenance strategy                    | Mandatory.<br>Must reference Strategy in Maintenance Strategy DCT.<br>Must be the same strategy as the Task List strategy.  |
| TOPOS        | Tolerance for Late Completion (%)       | Conditional.<br>Numeric values only, values from 0 to 100<br>Note: Will default to "10" if blank  |
| TONEG        | Tolerance for Early Completion (%)      | Conditional.<br>Numeric values only, values from 0 to 100<br>Note: Will default to "10" if blank  |
| SFAKT        | Cycle modification factor               | Conditional.<br>Note: Will default to "1" if blank  |
| FABKL        | Time-factory caldr                      | Conditional.<br>Select from configuration (TFACD)   |
| HORIZ        | Call horizon for maintenance plan calls | Mandatory.<br>Numeric values only, values from 0 to 100<br>Note: Will default to "100" if blank   |
| ABRHO        | Scheduling Period                       | Mandatory.<br>Note: Will default to "3" if blank  |
| HUNIT        | Unit for Scheduling Period              | Mandatory.<br>Note: Will default to "YR" if blank   |
| CALL_CONFIRM | Completion Requirement                  | Conditional.<br>Allowed values:<br>1. "X" - checked<br>2. blank - unchecked   |
| STADT        | Start date                              | Conditional.<br>All Date format should be DDMMYYYY  |
| STICH        | Scheduling indicator                    | Conditional.<br>If first 2 Chars of the Strategy <> "02" (Performance-Based Strategy) then the allowed values:<br>1. blank - Time<br>2. "1" - Time - key date<br>3. "2" - Time - factory calendar<br>If the first 2 Chars of the Strategy = "02" (Performance-Based Strategy) then allowed value:<br>1. "3" - Performance-based |

|                        |                                      |  |
|------------------------|--------------------------------------|--|
| PLAN_SORT              | Sort field for maintenance plans     | Mandatory.<br><br>Select from configuration (T399G)<br><br><i>Note: Group Maintenance Plans based on below design principal:<br/>Frequency + Maintenance Activity<br/>Each group (Sort Field) gets its own deadline monitoring variant.<br/>Example:<br/>6M_INSP: Monthly Inspection</i><br><br><i>All Maintenance Plans of Inspection for 6M Inspection will be grouped with this Sort field.</i> |
| POINT                  | Measuring Point                      | Conditional.<br><br>Must reference Measuring Point DCT.<br><br>Must not be blank if the first 2 Chars of the Strategy = "02" (Performance-Based Strategy)<br>Must be blank if the first 2 Chars of the Strategy <> " 02" (Performance-Based Strategy)  |
| ENDDT_FOR_SCHED        | End Date for Scheduling              | Conditional.<br><br>All Date format should be DDMMYYYY.<br><br>Can be blank<br><br>Note: End Date must always be later than Start date   |
| CHAR_DISCRETE_TO_ASSET | Discrete to the Asset Characteristic | Mandatory.<br><br>Allowed values: "YES" or "NO"<br><br>Note: Will default to "NO" in left blank  |

## 2.Maintenance Plan Long Text Line Data Construction Rules

| Field Name       | Field Description       | Rule   |
|------------------|-------------------------|--|
| zLegacyW<br>ARPL | Legacy Maintenance Plan | Mandatory.<br><br>Key to link to Maintenance Plan  |
| TDSPRAS          | Language Key            | Mandatory<br><br>Must be either one of the following: English(E) , French(F), Italian(I), Mandarin(1), Portuguese(including Brazilian Portuguese)(P), German(D) and Spanish(S) |
| ROWCOUNT         | Row number              | Mandatory.<br><br>Must be unique and ascending sequential number   |
| TXLINE           | Text Line               | Mandatory<br><br>Free Text   |

## 3.Maintenance Item Data Construction Rules

| Field Name       | Field Description       | Rule   |
|------------------|-------------------------|--|
| zLegacyW<br>ARPL | Legacy Maintenance Plan | Mandatory.<br><br>Key to link to Maintenance Plan  |
| zLegacyW<br>APOS | Legacy Maintenance Item | Mandatory.<br><br>Key field  |
| PSTXT            | Item Short Text         | Mandatory.<br><br>Free text.<br><br><i>Note: Description must be defined as Frequency + TOT + Asset Tag.</i> |

|       |  |  |
|-------|--|--|
| TPLNR | Functional Location                    | Mandatory.<br>Must reference category "A" Functional Location with a CT in Functional Location DCT.<br>Must not be blank if Equipment is blank.<br>CT of Functional Location must match Task List CT   |
| EQUNR | Equipment Number                       | Conditional.<br>Must reference Equipment Number in Equipment DCT.<br>Must not be blank if Functional Location is blank.<br>CT of the Equipment must match Task List CT   |
| IWERK | Planning Plant                         | Mandatory.<br>Must reference Value Mapping: Plant (Maintenance Plant = Yes)  |
| GEWRK | Main work center for maintenance tasks | Conditional.<br>Must reference Work Centre DCT.<br>Note: If blank, default to the Work Centre derived from Equipment. If Equipment is blank then default to the Work Centre derived from Functional Location.                                      |
| WERGW | Plant associated with main work center | Mandatory.<br>Must reference Value Mapping: Plant (Maintenance Plant = Yes)  |
| WPGRP | Maintenance Planner Group              | Conditional.<br>Select from configuration (T024I).<br>Note: If blank, default to Planner Group derived from Equipment. If Equipment is blank then default to Planner Group derived from Functional Location.                                       |
| PRIOK | Priority                               | Mandatory.<br>Select from configuration (T356).  |
| PLNNR | Key for Task List Group                | Mandatory.<br>Key for Task List Group + Group Counter: Should exist in Task List DCT.<br>Task List CT must be the same as the Technical Object CT.<br>All Maintenance Items under the same Maintenance Plan must be assigned to the same Task List |
| PLNAL | Group Counter                          | Mandatory.<br>Key for Task List Group + Group Counter: Should exist in Task List DCT.<br>Task List CT must be the same as the Technical Object CT.<br>All Maintenance Items under the same Maintenance Plan must be assigned to the same Task List |
| APFKT | Execution factor for whole task list   | Conditional.<br>Note: Will default to "1" if blank   |
| ANLZU | System Condition                       | Conditional.<br>Select from configuration (T357M) or can be blank  |
| ILART | Maintenance Activity Type              | Select from configuration (T353I)<br><br><i>Note: The Maintenance Activity Type shall be updated by the business based on the activities defined in the associated Task List of the Maintenance Item.</i>  |

#### 4.Maintenance Item Long Text Line Data Construction Rules

| Field Name       | Field Description          | Rule  |
|------------------|----------------------------|---|
| zLegacyW<br>ARPL | Legacy<br>Maintenance Plan | Mandatory.<br>Key to link to Maintenance Plan |
| zLegacyW<br>APOS | Legacy<br>Maintenance Item | Mandatory.<br>Key to link to Maintenance Item |

|          |              |  |
|----------|--------------|--|
| TDSPRAS  | Language Key | Mandatory<br><br>Must be either one of the following: English(E) , French(F), Italian(I), Mandarin(1), Portuguese(including Brazilian Portuguese)(P), German(D) and Spanish(S) |
| ROWCOUNT | Row number   | Mandatory.<br><br>Must be unique and ascending sequential number   |
| TXLINE   | Text Line    | Mandatory<br><br>Free Text   |

#### 5.Maintenance Item Object List Data Construction Rules

| Field Name   | Field Description       | Rule   |
|--------------|-------------------------|--|
| zLegacyWARPL | Legacy Maintenance Plan | Mandatory.<br><br>Key to link to Maintenance Plan  |
| zLegacyWAPOS | Legacy Maintenance Item | Mandatory.<br><br>Key field  |
| zOBZAE       | Object list counters    | Mandatory.<br><br>Key field  |
| SORTF        | Object list sort field  | Conditional.<br><br>Must be unique and ascending sequential number starting from 1                       |
| EQUNR        | Equipment Number        | Conditional.<br><br>Must reference Equipment Number in Equipment DCT.                                    |
| TPLNR        | Functional Location     | Conditional.<br><br>Must reference category "A" Functional Location with a CT in Functional Location DCT |

#### 6.Inclusion-Maintenance Plan Long Text Data Construction Rules

| Field Name   | Field Description       | Rule   |
|--------------|-------------------------|--|
| zLegacyWARPL | Legacy Maintenance Plan | Mandatory.<br><br>Key to link to Maintenance Plan  |
| zLegacySPRAS | Legacy Language Key     | Mandatory.<br><br>Allowed values:<br>1. "E" - English<br>2. "F" - French<br>3. "1" - Mandarin/Simplified Chinese<br>4. "I" - Italian<br>5. "P" - Portuguese/Brazilian<br>6. "D" - German<br>7. "S" - Spanish |
| zLegacyWERKS | Legacy Plant            | Mandatory  |

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

#### 7.Inclusion-Maintenance Item Long Text Data Construction Rules

| Field Name   | Field Description       | Rule  |
|--------------|-------------------------|---|
| zLegacyWAPOS | Legacy Maintenance Plan | Mandatory.<br><br>Key to link to Maintenance Item |

|              |                     |  |
|--------------|---------------------|--|
| zLegacySPRAS | Legacy Language Key | Mandatory.<br><br>Allowed values:<br>1. "E" - English<br>2. "F" - French<br>3. "1" - Mandarin/Simplified Chinese<br>4. "I" - Italian<br>5. "P" - Portuguese/Brazilian<br>6. "D" - German<br>7. "S" - Spanish |
| zLegacyWERKS | Legacy Plant        | Mandatory  |

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

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

## Extraction Dependencies

| Item # | Step Description                           | Team Responsible    |
|--------|--|---------------------|
| 1      | Relevancy Criteria for Equipment           | SyWay A2D Data Team |
| 2      | Relevancy Criteria for Functional Location | SyWay A2D Data Team |
| 3      | Relevancy Criteria for Task List           | SyWay A2D Data Team |

## Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow to make the data Target ready:

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

## Transformation Run Sheet

| Item # | Step Description   | Team Responsible    |
|--------|--|---------------------|
| 1      | Obtain DCT Sign-off from Business  | SyWay A2D Data Team |
| 2      | In dspMigrate, select the wave – S4/HANA – Plant Maintenance                 | Syniti              |
| 3      | Go to Process Area Launch and Process the Object – Maintenance Plan and Item | 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.Maintenance Plan 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      | MPLA         | WARPL        | Maintenance Plan   | S/4HANA       | MPLA         | WARPL        | Maintenance Plan          | System (Internal numbering) |
| 2      | -             | -            | -            | -                  | S/4HANA       | MPLA         | MPTYP        | Maintenance plan category | Default to "PM"             |

|    |          |       |                  |   |         |       |                  |   |   |
|----|----------|-------|------------------|---|---------|-------|------------------|---|---|
| 3  | PF2, WP2 | MPLA  | STRAT            | Maintenance Strategy                    | S/4HANA | MPLA  | STRAT            | Maintenance Strategy                    | Value Mapping: Maintenance Strategy   |
| 4  | PF2, WP2 | PLKO  | KTEXT            | Description                             | S/4HANA | MPLA  | WPTXT            | Maintenance Plan Text                   | Direct mapping  |
| 5  | -        | -     | -                | -                                       | S/4HANA | MPLA  | VSPOS            | Shift Factor for Late Completion        | Default to 0 if Time based Maintenance Plan. Default to 100 if Performance based Maintenance Plan.<br><br><i>Refer to the Notes below for definition of Time-Based and Performance-Based Strategy</i> |
| 6  | PF2, WP2 | MPLA  | TOPOS            | Tolerance for Late Completion (%)       | S/4HANA | MPLA  | TOPOS            | Tolerance for Late Completion (%)       | Direct mapping.<br><br>If blank, default to "10"  |
| 7  | -        | -     | -                | -                                       | S/4HANA | MPLA  | VSNEG            | Shift Factor for Early Completion       | Default to 0 if Time based Maintenance Plan. Default to 100 if Performance based Maintenance Plan.<br><br><i>Refer to the Notes below for definition of Time-Based and Performance-Based Strategy</i> |
| 8  | PF2, WP2 | MPLA  | TONEG            | Tolerance for Early Completion (%)      | S/4HANA | MPLA  | TONEG            | Tolerance for Early Completion (%)      | Direct mapping.<br><br>If blank, default to "10"  |
| 9  | PF2, WP2 | MPLA  | SFAKT            | Cycle modification factor               | S/4HANA | MPLA  | SFAKT            | Cycle modification factor               | Direct mapping.<br><br>If blank, default to "1"   |
| 10 | PF2, WP2 | MPLA  | FABKL            | Factory calendar key                    | S/4HANA | MPLA  | FABKL            | Factory calendar key                    | If STICH = "1" or "2" then Value Mapping: Factory Calendar Definition, otherwise default to blank   |
| 11 | PF2, WP2 | MPLA  | HORIZ            | Call horizon for maintenance plan calls | S/4HANA | MPLA  | HORIZ            | Call horizon for maintenance plan calls | Direct mapping.<br><br>If blank, default to "100"   |
| 12 | -        | -     | -                | -                                       | S/4HANA | MPLA  | HORIZ_Q UALIFIER | Calculation Type of Call Horizon        | Default to "%"  |
| 13 | PF2, WP2 | MPLA  | ABRHO            | Scheduling Period                       | S/4HANA | MPLA  | ABRHO            | Scheduling Period                       | Direct mapping.<br><br>If blank, default to "3"   |
| 14 | PF2, WP2 | MPLA  | HUNIT            | Unit for Scheduling period              | S/4HANA | MPLA  | HUNIT            | Unit for Scheduling period              | Direct mapping.<br><br>If blank, default to "YR"  |
| 15 | PF2, WP2 | MPLA  | CALL_CON FIRM    | Completion Requirement                  | S/4HANA | MPLA  | CALL_CO NFIRM    | Completion Requirement                  | Direct mapping.   |
| 16 | PF2, WP2 | MPLA  | STADT            | Start date                              | S/4HANA | MPLA  | STADT            | Start date                              | Default to blank  |
| 17 | PF2, WP2 | MPLA  | STICH            | Scheduling indicator                    | S/4HANA | MPLA  | STICH            | Scheduling indicator                    | Direct Mapping.<br><br>Default to "3" if Performance based Maintenance Plan.<br><br><i>Refer to the Notes below for definition of Time-Based and Performance-Based Strategy</i>                       |
| 18 | PF2, WP2 | MPLA  | PLAN_SORT        | Sort field for maintenance plans        | S/4HANA | MPLA  | PLAN_SO RT       | Sort field for maintenance plans        | Value Mapping: Maintenance Plan Sort Field  |
| 19 | PF2, WP2 | RMIPM | POINT            | Measuring Point                         | S/4HANA | RMIPM | POINT            | Measuring Point                         | Value Mapping: Measuring Point  |
| 20 | PF2, WP2 | MPLA  | ENDDT_F OR_SCHED | End Date for Scheduling                 | S/4HANA | MPLA  | ENDDT_F OR_SCHED | End Date for Scheduling                 | Direct Mapping  |

Notes:

1. If STICH = blank, 1 or 2 then Strategy is Time-Based
2. If STICH 3 then Strategy is Performance-Based

## 2.Maintenance Plan Transformation Rule (DCT)

| Rule # | Source system | Source Table | Source Field  | Source Description      | Target System | Target Table | Target Field | Target Description        | Transformation Logic                              |
|--------|---------------|--------------|---------------|-------------------------|---------------|--------------|--------------|---------------------------|---|
| 1      | DCT           | MPLA         | zLegacyWA RPL | Legacy Maintenance Plan | S/4HANA       | MPLA         | WARPL        | Maintenance Plan          | System (Internal numbering)                       |
| 2      | -             | -            | -             | -                       | S/4HANA       | MPLA         | MPTYP        | Maintenance plan category | Default to "PM"                                   |
| 3      | DCT           | MPLA         | STRAT         | Maintenance Strategy    | S/4HANA       | MPLA         | STRAT        | Maintenance Strategy      | Direct mapping.                                   |
| 4      | -             | -            | -             | -                       | S/4HANA       | MPLA         | WPTXT        | Maintenance Plan Text     | Derive from assigned Task List Header Description |

|    |     |       |                  |   |         |       |                  |   |   |
|----|-----|-------|------------------|---|---------|-------|------------------|---|---|
| 5  | -   | -     | -                | -                                       | S/4HANA | MPLA  | VSPOS            | Shift Factor for Late Completion        | Default to 0 if Time based Maintenance Plan. Default to 100 if Performance based Maintenance Plan.<br><br><i>Refer to the Notes below for definition of Time-Based and Performance-Based Strategy</i> |
| 6  | DCT | MPLA  | TOPOS            | Tolerance for Late Completion (%)       | S/4HANA | MPLA  | TOPOS            | Tolerance for Late Completion (%)       | Direct mapping.<br><br>If blank, default to "10"  |
| 7  | -   | -     | -                | -                                       | S/4HANA | MPLA  | VSNEG            | Shift Factor for Early Completion       | Default to 0 if Time based Maintenance Plan. Default to 100 if Performance based Maintenance Plan.<br><br><i>Refer to the Notes below for definition of Time-Based and Performance-Based Strategy</i> |
| 8  | DCT | MPLA  | TONEG            | Tolerance for Early Completion (%)      | S/4HANA | MPLA  | TONEG            | Tolerance for Early Completion (%)      | Direct mapping.<br><br>If blank, default to "10"  |
| 9  | DCT | MPLA  | SFAKT            | Cycle modification factor               | S/4HANA | MPLA  | SFAKT            | Cycle modification factor               | Direct mapping.<br><br>If blank, default to "1"   |
| 10 | DCT | MPLA  | FABKL            | Factory calendar key                    | S/4HANA | MPLA  | FABKL            | Factory calendar key                    | Direct mapping.   |
| 11 | DCT | MPLA  | HORIZ            | Call horizon for maintenance plan calls | S/4HANA | MPLA  | HORIZ            | Call horizon for maintenance plan calls | Direct mapping.<br><br>If blank, default to "100"   |
| 12 | -   | -     | -                | -                                       | S/4HANA | MPLA  | HORIZ_Q UALIFIER | Calculation Type of Call Horizon        | Default to "%"  |
| 13 | DCT | MPLA  | ABRHO            | Scheduling Period                       | S/4HANA | MPLA  | ABRHO            | Scheduling Period                       | Direct mapping.<br><br>If blank, default to "3"   |
| 14 | DCT | MPLA  | HUNIT            | Unit for Scheduling period              | S/4HANA | MPLA  | HUNIT            | Unit for Scheduling period              | Direct mapping.<br><br>If blank, default to "YR"  |
| 15 | DCT | MPLA  | CALL_CON FIRM    | Completion Requirement                  | S/4HANA | MPLA  | CALL_CO NFIRM    | Completion Requirement                  | Direct mapping.   |
| 16 | DCT | MPLA  | STADT            | Start date                              | S/4HANA | MPLA  | STADT            | Start date                              | Direct mapping.   |
| 17 | DCT | MPLA  | STICH            | Scheduling indicator                    | S/4HANA | MPLA  | STICH            | Scheduling indicator                    | Direct mapping.   |
| 18 | DCT | MPLA  | PLAN_SORT        | Sort field for maintenance plans        | S/4HANA | MPLA  | PLAN_SOR T       | Sort field for maintenance plans        | Direct Mapping  |
| 19 | DCT | RMIPM | POINT            | Measuring Point                         | S/4HANA | RMIPM | POINT            | Measuring Point                         | Value Mapping: Measuring Point  |
| 20 | DCT | MPLA  | ENDDT_F OR_SCHED | End Date for Scheduling                 | S/4HANA | MPLA  | ENDDT_F OR_SCHED | End Date for Scheduling                 | Direct Mapping  |

Notes:

1. If first 2 Characters of the Strategy <> " 02" then it is [Time-Based Strategy](#)
2. If first 2 Characters of the Strategy = "02" then it is [Performance-Based Strategy](#)

**3.Maintenance Plan Long Text Header Transformation Rule (ECC)**

| Rule # | Source system | Source Table | Source Field | Source Description | Target System | Target Table | Target Field | Target Description        | Transformation Logic            |
|--------|---------------|--------------|--------------|--------------------|---------------|--------------|--------------|---------------------------|---------------------------------|
| 1      | -             | -            | -            | -                  | S/4HANA       | STXL         | TDOBJECT     | Texts: application object | Default to "MPLA"               |
| 2      | PF2, WP2      | MPLA         | WARPL        | Maintenance Plan   | S/4HANA       | STXL         | TDNAME       | Name                      | Value Mapping: Maintenance Plan |
| 3      | -             | -            | -            | -                  | S/4HANA       | STXL         | TDID         | Text ID                   | Default to "LTXT"               |
| 4      | PF2, WP2      | STXL         | SPRAS        | Language Key       | S/4HANA       | STXL         | SPRAS        | Language Key              | Direct Mapping                  |

Note: Only the records marked as Cleaned in INC-Maintenance Plan Long Text will be migrated

**4.Maintenance Plan Long Text Header Transformation Rule (DCT)**

| Rule # | Source system | Source Table | Source Field  | Source Description      | Target System | Target Table | Target Field | Target Description        | Transformation Logic            |
|--------|---------------|--------------|---------------|-------------------------|---------------|--------------|--------------|---------------------------|---------------------------------|
| 1      | -             | -            | -             | -                       | S/4HANA       | STXL         | TDOBJECT     | Texts: application object | Default to "MPLA"               |
| 2      | DCT           | MPLA         | zLegacyWAR PL | Legacy Maintenance Plan | S/4HANA       | STXL         | TDNAME       | Name                      | Value Mapping: Maintenance Plan |

|   |     |      |       |              |         |      |       |              |                   |
|---|-----|------|-------|--------------|---------|------|-------|--------------|-------------------|
| 3 | -   | -    | -     | -            | S/4HANA | STXL | TDID  | Text ID      | Default to "LTXT" |
| 4 | DCT | STXL | SPRAS | Language Key | S/4HANA | STXL | SPRAS | Language Key | Direct Mapping    |

### 5.Maintenance Plan Long Text Line Transformation Rule (ECC)

| Rule # | Source system | Source Table | Source Field | Source Description | Target System | Target Table | Target Field | Target Description           | Transformation Logic            |
|--------|---------------|--------------|--------------|--------------------|---------------|--------------|--------------|------------------------------|---------------------------------|
| 1      | -             | -            | -            | -                  | S/4HANA       | STXL         | RELID        | CHAR02 data element for SYST | Default to "TX"                 |
| 2      | -             | -            | -            | -                  | S/4HANA       | STXL         | TDOBJECT     | Texts: application object    | Default to "MPLA"               |
| 3      | PF2, WP2      | MPLA         | WARPL        | Maintenance Plan   | S/4HANA       | STXL         | TDNAME       | Name                         | Value Mapping: Maintenance Plan |
| 4      | -             | -            | -            | -                  | -             | STXL         | TDID         | Text ID                      | Default to "LTXT"               |
| 5      | PF2, WP2      | STXL         | SPRAS        | Language Key       | S/4HANA       | STXL         | SPRAS        | Language Key                 | Direct Mapping                  |
| 6      | -             | -            | -            | -                  | S/4HANA       | STXL         | CLUSTD_TAG   | Tag column                   | Default to "***"                |
| 7      | PF2, WP2      | STXL         | ROWCOUNT     | Row number         | S/4HANA       | STXL         | ROWCOUNT     | Row number                   | Direct Mapping                  |
| 8      | PF2, WP2      | STXL         | TXLINE       | Text Line          | S/4HANA       | STXL         | TXLINE       | Text Line                    | Direct Mapping                  |

Note: Only the records marked as Cleansed in INC-Maintenance Item Long Text will be migrated

### 6.Maintenance Plan Long Text Line Transformation Rule (DCT)

| Rule # | Source system | Source Table | Source Field | Source Description      | Target System | Target Table | Target Field | Target Description           | Transformation Logic            |
|--------|---------------|--------------|--------------|-------------------------|---------------|--------------|--------------|------------------------------|---------------------------------|
| 1      | -             | -            | -            | -                       | S/4HANA       | STXL         | RELID        | CHAR02 data element for SYST | Default to "TX"                 |
| 2      | -             | -            | -            | -                       | S/4HANA       | STXL         | TDOBJECT     | Texts: application object    | Default to "MPLA"               |
| 3      | DCT           | MPLA         | zLegacyWARPL | Legacy Maintenance Plan | S/4HANA       | STXL         | TDNAME       | Name                         | Value Mapping: Maintenance Plan |
| 4      | -             | -            | -            | -                       | S/4HANA       | STXL         | TDID         | Text ID                      | Default to "LTXT"               |
| 5      | DCT           | STXL         | SPRAS        | Language Key            | S/4HANA       | STXL         | SPRAS        | Language Key                 | Direct Mapping                  |
| 6      | -             | -            | -            | -                       | S/4HANA       | STXL         | CLUSTD_TAG   | Tag column                   | Default to "***"                |
| 7      | DCT           | STXL         | ROWCOUNT     | Row number              | S/4HANA       | STXL         | ROWCOUNT     | Row number                   | Direct Mapping                  |
| 8      | DCT           | STXL         | TXLINE       | Text Line               | S/4HANA       | STXL         | TXLINE       | Text Line                    | Direct Mapping                  |

### 7.Maintenance Item 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      | MPOS         | WAPOS        | Maintenance Item                       | S/4HANA       | MPOS         | WAPOS        | Maintenance Item                       | System (Internal numbering)   |
| 2      | PF2, WP2      | MPOS         | WARPL        | Maintenance Plan                       | S/4HANA       | MPLA         | WARPL        | Legacy Maintenance Plan                | Value Mapping: Maintenance Plan   |
| 3      | PF2, WP2      | MPOS         | PSTXT        | Item Short Text                        | S/4HANA       | MPOS         | PSTXT        | Item Short Text                        | Direct mapping  |
| 4      | PF2, WP2      | MPOS         | TPLNR        | Functional Location                    | S/4HANA       | MPOS         | TPLNR        | Functional Location                    | Value Mapping: Functional Location  |
| 5      | PF2, WP2      | MPOS         | TPLNR        | Functional Location                    | S/4HANA       | MPOS         | EQUNR        | Equipment Number                       | Value Mapping: Functional Location where New Equipment is not blank   |
| 6      | PF2, WP2      | MPOS         | EQUNR        | Equipment Number                       | S/4HANA       | MPOS         | EQUNR        | Equipment Number                       | Value Mapping: Equipment Number   |
| 7      | PF2, WP2      | MPOS         | IWERK        | Planning Plant                         | S/4HANA       | MPOS         | IWERK        | Planning Plant                         | Value Mapping: Plant (Maintenance Plant = Yes)  |
| 8      | PF2, WP2      | MPOS         | AUART        | Order Type                             | S/4HANA       | MPOS         | AUART        | Order Type                             | Default to "YA02"   |
| 9      | PF2, WP2      | MPOS         | GEWRK        | Main work center for maintenance tasks | S/4HANA       | MPOS         | GEWRK        | Main work center for maintenance tasks | Value Mapping: Work Centre<br><br>If blank then:<br>1. default to Work Centre derived from Equipment<br>2. If Equipment is blank then default to the Work Centre derived from Functional Location |
| 10     | PF2, WP2      | CRHD         | WERKS        | Plant                                  | S/4HANA       | RMIPM        | WERGW        | Plant associated with main work center | Value Mapping: Plant (Maintenance Plant = Yes)  |

|    |          |      |       |                                      |         |      |       |                                      |   |
|----|----------|------|-------|--------------------------------------|---------|------|-------|--------------------------------------|---|
| 11 | PF2, WP2 | MPOS | WPGRP | Maintenance Planner Group            | S/4HANA | MPOS | WPGRP | Maintenance Planner Group            | Value Mapping: Maintenance Planner Group<br><br>If blank then:<br>1. default to Planner Group derived from Equipment<br>2. If Equipment is blank then default to the Planner Group derived from Functional Location |
| 12 | PF2, WP2 | MPOS | PRIOK | Priority                             | S/4HANA | MPOS | PRIOK | Priority                             | Value Mapping: Priority   |
| 13 | PF2, WP2 | MPOS | PLNTY | Task List Type                       | S/4HANA | MPOS | PLNTY | Task List Type                       | Value Mapping: Task List Header   |
| 14 | PF2, WP2 | MPOS | PLNNR | Key for Task List Group              | S/4HANA | MPOS | PLNNR | Key for Task List Group              | Value Mapping: Task List Header   |
| 15 | PF2, WP2 | MPOS | PLNAL | Group Counter                        | S/4HANA | MPOS | PLNAL | Group Counter                        | Value Mapping: Task List Header   |
| 16 | PF2, WP2 | MPOS | APFKT | Execution factor for whole task list | S/4HANA | MPOS | APFKT | Execution factor for whole task list | Direct mapping.<br><br>If blank, default to "1"   |
| 17 | PF2, WP2 | MPOS | ANLZU | System Condition                     | S/4HANA | MPOS | ANLZU | System Condition                     | Value Mapping: System Condition   |
| 18 | DCT      | MPOS | ILART | Maintenance Activity Type            | S/4HANA | MPOS | ILART | Maintenance Activity Type            | Direct mapping from DCT (as part of enrichment)   |

### 8.Maintenance Item Transformation Rule (DCT)

| Rule # | Source system | Source Table | Source Field | Source Description                     | Target System | Target Table | Target Field | Target Description                     | Transformation Logic   |
|--------|---------------|--------------|--------------|--|---------------|--------------|--------------|--|--|
| 1      | DCT           | MPOS         | zLegacyWAPOS | Legacy Maintenance Item                | S/4HANA       | MPOS         | WAPOS        | Maintenance Item                       | System (Internal numbering)  |
| 2      | DCT           | MPOS         | zLegacyWARPL | Legacy Maintenance Plan                | S/4HANA       | MPLA         | WARPL        | Maintenance Plan                       | Value Mapping: Maintenance Plan  |
| 3      | DCT           | MPOS         | PSTXT        | Item Short Text                        | S/4HANA       | MPOS         | PSTXT        | Item Short Text                        | Direct Mapping   |
| 4      | DCT           | MPOS         | TPLNR        | Functional Location                    | S/4HANA       | MPOS         | TPLNR        | Functional Location                    | Direct Mapping   |
| 5      | DCT           | MPOS         | EQUNR        | Equipment Number                       | S/4HANA       | MPOS         | EQUNR        | Equipment Number                       | Value Mapping: Equipment Number  |
| 6      | DCT           | MPOS         | IWERK        | Planning Plant                         | S/4HANA       | MPOS         | IWERK        | Planning Plant                         | Direct Mapping   |
| 7      | -             | -            | -            | -                                      | -             | MPOS         | AUART        | Order Type                             | Default to "YA02"  |
| 8      | DCT           | MPOS         | GEWRK        | Main work centre for maintenance tasks | S/4HANA       | MPOS         | GEWRK        | Main work centre for maintenance tasks | Direct Mapping.<br><br>If blank then:<br>1. default to Work Centre derived from Equipment<br>2. If Equipment is blank then default to the Work Centre derived from Functional Location     |
| 9      | DCT           | MPOS         | WERGW        | Plant associated with main work center | S/4HANA       | RMIPM        | WERGW        | Plant associated with main work center | Direct Mapping   |
| 10     | DCT           | MPOS         | PRIOK        | Priority                               | S/4HANA       | MPOS         | PRIOK        | Priority                               | Direct Mapping   |
| 11     | DCT           | MPOS         | WPGRP        | Maintenance Planner Group              | S/4HANA       | MPOS         | WPGRP        | Maintenance Planner Group              | Direct Mapping.<br><br>If blank then:<br>1. default to Planner Group derived from Equipment<br>2. If Equipment is blank then default to the Planner Group derived from Functional Location |
| 12     | DCT           | MPOS         | PLNTY        | Task List Type                         | S/4HANA       | MPOS         | PLNTY        | Task List Type                         | Value Mapping: Task List Header  |
| 13     | DCT           | MPOS         | PLNNR        | Key for Task List Group                | S/4HANA       | MPOS         | PLNNR        | Key for Task List Group                | Value Mapping: Task List Header  |
| 14     | DCT           | MPOS         | PLNAL        | Group Counter                          | S/4HANA       | MPOS         | PLNAL        | Group Counter                          | Value Mapping: Task List Header  |
| 15     | DCT           | MPOS         | APFKT        | Execution factor for whole task list   | S/4HANA       | MPOS         | APFKT        | Execution factor for whole task list   | Direct Mapping.<br><br>If blank, default to "1"  |
| 16     | DCT           | MPOS         | ANLZU        | System Condition                       | S/4HANA       | MPOS         | ANLZU        | System Condition                       | Direct Mapping.  |
| 17     | DCT           | MPOS         | ILART        | Maintenance Activity Type              | S/4HANA       | MPOS         | ILART        | Maintenance Activity Type              | Direct Mapping   |

### 9.Maintenance Item Object List 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      | MPOS         | zLegacyWAPOS | Legacy Maintenance Item | -             | -            | -            | -                  | Value Mapping: Maintenance Plan<br><br>Note: This will be used as part of pre-load report |
| 2      | -             | -            | -            | -                       | S/4HANA       | OBJK         | OBKNR        | Object list number | System (Internal numbering)   |

|   |          |      |       |                        |         |      |       |  |   |
|---|----------|------|-------|------------------------|---------|------|-------|--|---|
| 3 | -        | -    | -     | -                      | S/4HANA | OBJK | OBZAE | Object list counters                                 | System (Internal numbering)   |
| 4 | -        | -    | -     | -                      | S/4HANA | OBJK | ILOAN | Location and account assignment for technical object | System (Internal numbering)   |
| 5 | PF2, WP2 | OBJK | SORTF | Object list sort field | S/4HANA | OBJK | SORTF | Object list sort field                               | Direct Mapping.   |
| 6 | PF2, WP2 | OBJK | TPLNR | Functional Location    | S/4HANA | OBJK | TPLNR | Functional Location                                  | Value Mapping: Functional Location                                  |
| 7 | PF2, WP2 | OBJK | TPLNR | Functional Location    | S/4HANA | OBJK | EQUNR | Equipment Number                                     | Value Mapping: Functional Location where New Equipment is not blank |
| 8 | PF2, WP2 | OBJK | EQUNR | Equipment Number       | S/4HANA | OBJK | EQUNR | Equipment Number                                     | Value Mapping: Equipment Number                                     |

#### 10.Maintenance Item Object List Transformation Rule (DCT)

| Rule # | Source system | Source Table | Source Field  | Source Description      | Target System | Target Table | Target Field | Target Description                                   | Transformation Logic  |
|--------|---------------|--------------|---------------|-------------------------|---------------|--------------|--------------|--|---|
| 1      | DCT           | MPOS         | zLegacyWA POS | Legacy Maintenance Item | -             | -            | -            | -  | Value Mapping: Maintenance Plan<br>Note: This will be used as part of pre-load report |
| 2      | -             | -            | -             | -                       | -             | OBJK         | OBKNR        | Object list number                                   | System (Internal numbering)   |
| 3      | -             | -            | -             | -                       | -             | OBJK         | OBZAE        | Object list counters                                 | System (Internal numbering)   |
| 4      | -             | -            | -             | -                       | -             | OBJK         | ILOAN        | Location and account assignment for technical object | System (Internal numbering)   |
| 5      | DCT           | OBJK         | SORTF         | Object list sort field  | S/4HANA       | OBJK         | SORTF        | Object list sort field                               | Direct Mapping.   |
| 6      | DCT           | OBJK         | TPLNR         | Functional Location     | S/4HANA       | OBJK         | TPLNR        | Functional Location                                  | Direct Mapping.   |
| 7      | DCT           | OBJK         | EQUNR         | Equipment Number        | S/4HANA       | OBJK         | EQUNR        | Equipment Number                                     | Value Mapping: Equipment Number   |

#### 11.Maintenance Plan (Characteristics Values Header) (ECC and DCT)

| Rule # | Source system | Source Table | Source Field  | Source Description      | Target System | Target Table | Target Field | Target Description                | Transformation Logic  |
|--------|---------------|--------------|---------------|-------------------------|---------------|--------------|--------------|-----------------------------------|---|
| 1      | PF2, WP2      | MPLA         | zLegacyWA RPL | Legacy Maintenance Plan | -             | -            | -            | -                                 | Value Mapping: Maintenance Plan<br>Note: This will be used as part of pre-load report                               |
| 2      | -             | -            | -             | -                       | S/4HANA       | KLAH         | KLART        | Class Type                        | Default to "080"  |
| 3      | -             | -            | -             | -                       | S/4HANA       | INOBO        | OBTAB        | Name of Database Table for Object | Default to "MPLA"   |
| 4      | -             | -            | -             | -                       | S/4HANA       | KLAH         | CLASS        | Class number                      | Default to "EAM_9999"   |
| 5      | -             | -            | -             | -                       | S/4HANA       | INOBO        | OBJEK        | Key of Object                     | Value Mapping: Maintenance Plan<br>Note: Use mapping table <b>Maintenance Plan</b> to get New Object Number (OBJNR) |
| 6      | -             | -            | -             | -                       | S/4HANA       | KLAH         | STATU        | Class Status                      | Default to "1"  |

#### 12.Maintenance Plan (Default Characteristics Values Allocation - Allowed CT) (ECC and DCT)

| Rule # | Source system | Source Table | Source Field  | Source Description      | Target System | Target Table | Target Field | Target Description                | Transformation Logic   |
|--------|---------------|--------------|---------------|-------------------------|---------------|--------------|--------------|-----------------------------------|--|
| 1      | PF2, WP2, DCT | MPLA         | zLegacyWA RPL | Legacy Maintenance Plan | -             | -            | -            | -                                 | Value Mapping: Maintenance Plan<br>Note: This will be used as part of pre-load report                                |
| 2      | -             | -            | -             | -                       | S/4HANA       | KLAH         | KLART        | Class Type                        | Default to "018"   |
| 3      | -             | -            | -             | -                       | S/4HANA       | INOBO        | OBTAB        | Name of Database Table for Object | Default to "MPLA"  |
| 4      | -             | -            | -             | -                       | S/4HANA       | KLAH         | CLASS        | Class number                      | Default to "EAM_9999"  |
| 5      | PF2, WP2, DCT | MPLA         | zLegacyWA RPL | Legacy Maintenance Plan | S/4HANA       | INOBO        | OBJEK        | Key of Object                     | Value Mapping: Maintenance Plan.<br>Note: Use mapping table <b>Maintenance Plan</b> to get New Object Number (OBJNR) |
| 6      | -             | -            | -             | -                       | S/4HANA       | CABN         | ATNAM        | Characteristic Name               | Value Mapping: Characteristic A2D where ATNAM = "A_ALLOWED_CT"   |

|   |   |   |   |   |         |      |       |                      |   |
|---|---|---|---|---|---------|------|-------|----------------------|---|
| 7 | - | - | - | - | S/4HANA | AUSP | ATWRT | Characteristic Value | If A_DISCRETE_TO_ASSET = "YES" then blank.<br><br>If A_DISCRETE_TO_ASSET = "NO" then<br>1. default to CT derived from Equipment<br>2. If Equipment is blank then default to the CT derived from Functional Location |
| 8 | - | - | - | - | S/4HANA | KSML | POSNR | Item Number          | Default to "001"  |

Note: Each Maintenance Plan can have only 1 Allowed CT characteristic

### 13.Maintenance Plan (Default Characteristics Values Allocation - Discrete to the Asset) (ECC and DCT)

| Rule # | Source system | Source Table | Source Field           | Source Description                   | Target System | Target Table | Target Field | Target Description                | Transformation Logic   |
|--------|---------------|--------------|------------------------|--------------------------------------|---------------|--------------|--------------|-----------------------------------|--|
| 1      | PF2, WP2, DCT | MPLA         | zLegacyWARPL           | Legacy Maintenance Plan              | -             | -            | -            | -                                 | Value Mapping: Maintenance Plan<br><br>Note: This will be used as part of pre-load report                                |
| 2      | -             | -            | -                      | -                                    | S/4HANA       | KLAH         | KLART        | Class Type                        | Default to "018"   |
| 3      | -             | -            | -                      | -                                    | S/4HANA       | INOBO        | OBTAB        | Name of Database Table for Object | Default to "MPLA"  |
| 4      | -             | -            | -                      | -                                    | S/4HANA       | KLAH         | CLASS        | Class number                      | Default to "EAM_9999"  |
| 5      | PF2, WP2, DCT | MPLA         | zLegacyWARPL           | Legacy Maintenance Plan              | S/4HANA       | INOBO        | OBJEK        | Key of Object                     | Value Mapping: Maintenance Plan.<br><br>Note: Use mapping table <b>Maintenance Plan</b> to get New Object Number (OBJNR) |
| 6      | -             | -            | -                      | -                                    | S/4HANA       | CABN         | ATNAM        | Characteristic Name               | Value Mapping: Characteristic A2D where ATNAM = "A_DISCRETE_TO_ASSET"  |
| 7      | DCT           | -            | CHAR_DISCRETE_TO_ASSET | Discrete to the Asset Characteristic | S/4HANA       | AUSP         | ATWRT        | Characteristic Value              | Direct Mapping from DCT (as part of enrichment)<br><br>If not "YES" then default to "NO"                                 |
| 8      | -             | -            | -                      | -                                    | S/4HANA       | KSML         | POSNR        | Item Number                       | Default to "001"   |

Note: Each Maintenance Plan can have only 1 Discrete to the Asset characteristic

### 14.Maintenance Plan (Default Characteristics Values Allocation - Regulatory) (ECC and DCT)

| Rule # | Source system | Source Table | Source Field | Source Description      | Target System | Target Table | Target Field | Target Description                | Transformation Logic   |
|--------|---------------|--------------|--------------|-------------------------|---------------|--------------|--------------|-----------------------------------|--|
| 1      | PF2, WP2, DCT | MPLA         | zLegacyWARPL | Legacy Maintenance Plan | -             | -            | -            | -                                 | Value Mapping: Maintenance Plan<br><br>Note: This will be used as part of pre-load report                                |
| 2      | -             | -            | -            | -                       | S/4HANA       | KLAH         | KLART        | Class Type                        | Default to "018"   |
| 3      | -             | -            | -            | -                       | S/4HANA       | INOBO        | OBTAB        | Name of Database Table for Object | Default to "MPLA"  |
| 4      | -             | -            | -            | -                       | S/4HANA       | KLAH         | CLASS        | Class number                      | Default to "EAM_9999"  |
| 5      | PF2, WP2, DCT | MPLA         | zLegacyWARPL | Legacy Maintenance Plan | S/4HANA       | INOBO        | OBJEK        | Key of Object                     | Value Mapping: Maintenance Plan.<br><br>Note: Use mapping table <b>Maintenance Plan</b> to get New Object Number (OBJNR) |
| 6      | -             | -            | -            | -                       | S/4HANA       | CABN         | ATNAM        | Characteristic Name               | Value Mapping: Characteristic A2D where ATNAM = "A_REGULATORY"   |
| 7      | -             | -            | -            | -                       | S/4HANA       | AUSP         | ATWRT        | Characteristic Value              | Derive from Task List Header Data Construction "A_REGULATORY" Characteristic Value                                       |
| 8      | -             | -            | -            | -                       | S/4HANA       | KSML         | POSNR        | Item Number                       | Default to "001"   |

Note:

- Each Maintenance Plan can have only 1 Regulatory characteristic
- To link Maintenance Plan to Task List Header Data Construction, join MPOS-PLNTY, MPOS-PLNNR, MPOS-PLNAL to PLKO-PLNTY, PLKO-PLNNR, PLKO-PLNAL

### 15.Maintenance Plan (Default Characteristics Values Allocation - Nature of Work) (ECC and DCT)

| Rule # | Source system | Source Table | Source Field | Source Description      | Target System | Target Table | Target Field | Target Description | Transformation Logic  |
|--------|---------------|--------------|--------------|-------------------------|---------------|--------------|--------------|--------------------|---|
| 1      | PF2, WP2, DCT | MPLA         | zLegacyWARPL | Legacy Maintenance Plan | -             | -            | -            | -                  | Value Mapping: Maintenance Plan<br><br>Note: This will be used as part of pre-load report |
| 2      | -             | -            | -            | -                       | S/4HANA       | KLAH         | KLART        | Class Type         | Default to "018"  |

|   |               |      |               |                         |         |      |       |                                   |  |
|---|---------------|------|---------------|-------------------------|---------|------|-------|-----------------------------------|--|
| 3 | -             | -    | -             | -                       | S/4HANA | INOB | OBTAB | Name of Database Table for Object | Default to "MPLA"  |
| 4 | -             | -    | -             | -                       | S/4HANA | KLAH | CLASS | Class number                      | Default to "EAM_9999"  |
| 5 | PF2, WP2, DCT | MPLA | zLegacyWA RPL | Legacy Maintenance Plan | S/4HANA | INOB | OBJEK | Key of Object                     | Value Mapping: Maintenance Plan.<br>Note: Use mapping table <b>Maintenance Plan</b> to get New Object Number (OBJNR) |
| 6 | -             | -    | -             | -                       | S/4HANA | CABN | ATNAM | Characteristic Name               | Value Mapping: Characteristic A2D where ATNAM = "A_NATURE_OF_WORK"   |
| 7 | -             | -    | -             | -                       | S/4HANA | AUSP | ATWRT | Characteristic Value              | Derive from Task List Header Data Construction "A_NATURE_OF_WORK" Characteristic Value                               |
| 8 | -             | -    | -             | -                       | S/4HANA | KSML | POSNR | Item Number                       | Default to "001"   |

Note:

1. Each Maintenance Plan can have only 1 Nature of Work characteristic
2. To link Maintenance Plan to Task List Header Data Construction, join MPOS-PLNTY, MPOS-PLNNR, MPOS-PLNAL to PLKO-PLNTY, PLKO-PLNNR, PLKO-PLNAL

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

## Transformation Mapping

| Mapping Table Name          | Mapping Table Description              |
|-----------------------------|--|
| Maintenance Plan            | Old to new Maintenance Plan            |
| Maintenance Item            | Old to new Maintenance Item            |
| Maintenance Strategy        | Old to new Maintenance Strategy        |
| Functional Location         | Old to new Functional Location         |
| Equipment Number            | Old to new Equipment Number            |
| Material Number             | Old to new Material Number             |
| Task List Header            | Old to new Task List Header            |
| Measuring Point             | Old to new Measuring Point             |
| Work Centre                 | Old to new Work Centre                 |
| Maintenance Plan Sort Field | Old to new Maintenance Plan Sort Field |
| Priority                    | Old to new Priority                    |
| Order Type                  | Old to new Order Type                  |
| System Condition            | Old to new System Condition            |
| Maintenance Planner Group   | Old to new Maintenance Planner Group   |

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 legacy systems and DCTs (if any) is equal to the total number of records in the Preload and Load Sheets.  |
| Verify Data Integrity | SyWay A2D Data Team to verify that the total number of Operations per Work Oder header extracted from legacy systems and DCTs (if any) should be equal to the total number of operations identified 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><ol style="list-style-type: none"><li>1. Mandatory Fields</li><li>2. Field and Value Mapping Correctness</li><li>3. Null Checks</li><li>4. Text Length Checks</li></ol> |
| 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 legacy systems and DCTs (if any) 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 fields below meet pass the checks:<br><ol style="list-style-type: none"><li>1. Mandatory Fields</li><li>2. Field and Value Mapping Correctness</li><li>3. Null Checks</li><li>4. Text Length Checks</li></ol> |

## 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 reupload and re-generate post load reports if necessary.   | SyWay Data team |
| 8 | Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off. | Business        |
| 9 | Repeat steps 5 to 7 if necessary.   | SyWay Data team |

## Load Phase and Dependencies

Pre-Cutover

### Configuration

| Item # | Configuration Item                |
|--------|-----------------------------------|
| 1      | T399W-Maintenance Plan Category   |
| 2      | T024A-Planner Groups              |
| 3      | T356-Priority                     |
| 4      | T003O-Order Type                  |
| 5      | T399G-Maintenance Plan Sort Field |
| 6      | TFACD-Factory Calendar Definition |
| 7      | T353I-Maintenance activity types  |

### Conversion Objects

| Object # | Preceding Object Conversion Approach |
|----------|--------------------------------------|
| 1002     | Equipment                            |
| 1003     | Functional Location                  |
| 1005     | Task List                            |
| 1006     | Work Centre                          |
| 1009     | Class                                |
| 1012     | Measuring Point                      |
| 1015     | Characteristic                       |
| 1017     | Maintenance Strategy                 |

### Error Handling

| Error Type    | Error Description                 | Action Taken   |
|---------------|-----------------------------------|--|
| Configuration | Invalid Maintenance Plan Category | 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 Plant                     | 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 System Condition          | Engage Functional team to expedite and fix the error in the system |
| Configuration | Invalid Maintenance Activity Type | Engage Functional team to expedite and fix the error in the system |
| Configuration | Invalid Priority                  | Engage Functional team to expedite and fix the error in the system |
| Configuration | Invalid Order Type                | Engage Functional team to expedite and fix the error in the system |
| Invalid Data  | Invalid Maintenance Strategy      | 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 Task List                 | 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 Equipment                 | Expedite whether the master data is changed in the system          |

## Post-Load Validation

### Project Team

#### Completeness

| Task         | Action   |
|--------------|--|
| Verify Count | SyWay A2D Data Team to verify the record count created in target S/4 HANA by accessing post load reports in dspMigrate or standard reports from S/4 HANA.  |
| Verify Logs  | Check if there is data that failed to load and perform the necessary actions (e.g. register as post load issue or attempt to load the record again, etc.). |

#### Accuracy

| Task                | Action   |
|---------------------|--|
| Conversion Accuracy | Verify that the Maintenance plan data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA. |

### Business

#### Completeness

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

#### Accuracy

| Task                | Action   |
|---------------------|--|
| Conversion Accuracy | Verify that the EAM Maintenance plan data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA. |

## Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.

- Data cleansing has met the required percentage threshold for the specified mock cycle and all preparation activities have been completed.
- Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules.
- Not all legacy Maintenance Plan and Item need to be mapped to S/4 HANA Maintenance Plan and Item. If any of the successor objects is dependent on a Maintenance Plan and Item field with no mapped values, this will be an enrichment activity or manual transformation for the successor object to derive the Maintenance Plan and Item.

## See also

## Change log

| Version                 | Published                 | Changed By                     | Comment   |
|-------------------------|---------------------------|--------------------------------|---|
| <b>CURRENT (v. 409)</b> | <b>Apr 30, 2026 09:27</b> | <b>ERGUIZA-ext, Pinky Love</b> |   |
| v. 408                  | Apr 27, 2026 09:55        | ERGUIZA-ext, Pinky Love        |   |
| v. 407                  | Apr 27, 2026 09:44        | ERGUIZA-ext, Pinky Love        |   |
| v. 406                  | Apr 27, 2026 09:43        | ERGUIZA-ext, Pinky Love        |   |
| v. 405                  | Apr 07, 2026 13:19        | ERGUIZA-ext, Pinky Love        | CR0438: Update in Relevancy Criteria JEST Inactive Flag |
| v. 404                  | Apr 07, 2026 11:00        | ERGUIZA-ext, Pinky Love        |   |
| v. 403                  | Apr 07, 2026 10:59        | ERGUIZA-ext, Pinky Love        |   |
| v. 402                  | Apr 07, 2026 10:27        | ERGUIZA-ext, Pinky Love        | CR0438: Update in Relevancy Criteria JEST Inactive Flag |
| v. 401                  | Apr 02, 2026 13:42        | ERGUIZA-ext, Pinky Love        |   |
| v. 400                  | Apr 01, 2026 15:07        | MAHAJAN-ext, iesha             | CR0438  |

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## Workflow history

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

There are no pages at the moment.

## Workflow history

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

| From Apr 01, 2026 to Apr 30, 2026 | Actor   | Type  | Activity   | Version |
|-----------------------------------|---|-------|--|---------|
| Approved                          | MAHAJAN-ext, iesha and ERGUIZA-ext, Pinky Love  | Edit  | multiple updates from MAHAJAN-ext, iesha and ERGUIZA-ext, Pinky Love |         |
| Feb 12, 2026                      |  MOUSSA-ext, Eva | State | changed state to <b>Approved</b> at 2:13 pm                          | v398    |
| Edited following Approval         |  MOUSSA-ext, Eva | State | gave <i>Minor change</i> approval at 2:13 pm                         |         |
|                                   |   |       | <i>PDM-1279 v. 398 approved</i>                                      |         |

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From Jan 26, 2026 to Feb 12, 2026

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TEE-ext, Paul

Edit

updated the page at 11:48 am

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TEE-ext, Paul

State

changed state to **Edited following Approval** at 10:48 am

[v395](#)

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