

EMEA - Ariba Network

Status	Approved
Owner	TEE-ext, Paul
Stakeholders	

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, with informal words. This results in data inconsistency. As per SyWay design, EAM Maintenance Plan and Item will be standardized.

The complete information of the key fields that hold the Maintenance Plan and Item information follows [DD-FUN- 050 Master Data Standard_Maintenance Plan.xlsx](#)

Conversion Scope

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

Maintenance Plan from legacy system is relevant if:

1. have at least 1 valid maintenance Item

Maintenance Plan from legacy system is not relevant if:

1. Maintenance plan marked for deletion

Maintenance Item within each maintenance plan is considered relevant if:

1. It has at least 1 relevant material, FL or Equipment in ref object or item in object list based on material, FL and Equipment relevancy
2. At least 1 valid task list based on task list relevancy

Object list within each relevant maintenance item will only include FL and Equipment that is relevant based on FL and Equipment Relevancy.

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	Maintenance Plan: An initial extract will be provided to business to evaluate. Additional data/records may be required and these will be constructed via DCT. Enrichment of in-scope data may be required and will be added via transformation rules (business/technical).	70,000	S/4HANA	70,000
PF2, WP2	Maintenance Items: An initial extract will be provided to business to evaluate. Additional data/records may be required and these will be constructed via DCT. Enrichment of in-scope data may be required and will be added via transformation rules (business/technical).	74,000	S/4HANA	74,000

Additional Information

Multi-language Requirement

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

Document Management

Long text and DIR are not covered in this document as they are defined as another data object.

Legal Requirement

Not Applicable

Special Requirements

Not Applicable

Target Design

Task List Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Maintenance plan and item information follows the Master Data Standard document that is located here [DD-FUN- 050 Master Data Standard_Maintenance Plan.xlsx](#).

The technical design of the target for this conversion approach.

1. Maintenance Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
MPLA	WARPL	WARPL	Maintenance Plan	CHAR	12	System
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		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	Conditional
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	BEGRU	IAUTG	Technical object authorization group	CHAR	4	Not Used
RMIPM	STTAG	MP_STTAG	Key Date	DATS	8	Conditional
MPLA	ENDDT_FOR_SCHED	EAM_ENDDT_FOR_SCHED	End Date for Scheduling	DATS	8	Conditional
MPLA	TPLNR	TPLNR	Functional Location	CHAR	30	Mandatory
MPLA	EQUNR	EQUNR	Equipment Number	CHAR	18	Conditional
RMIPM	GEWERK	GEWRK	Main work Centre for maintenance tasks	CHAR	8	System
RMIPM	WERGW	WERGW	Plant associated with Main Work Centre	CHAR	4	System
RMIPM	OFFS1	WOFFS1	Maintenance package offset	CHAR	22	Not Used
RMIPM	MEHRFACH_Z	MEHRFACH_Z	Multiple counter plan	CHAR	1	Not Used
RMIPM	WSET	WSET	Cycle set for multiple counter plan	CHAR	6	Not Used
MITEM_OBJLIST_D	EQUIPMENT	EQUNR	Equipment Number	CHAR	18	Conditional
MITEM_OBJLIST_D	FUNCTIONALLOCATION	TPLNR_UNCONVERTED	Functional location	CHAR	30	Conditional
KLAH	CLASS	KLASSE_D	Class number	CHAR	18	Mandatory

2. Maintenance Item

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
MPLA	WARPL	WARPL	Maintenance Plan	CHAR	12	System
MPOS	WAPOS	WAPOS	Maintenance item	CHAR	16	System
MPOS	PSTXT	POSTXT	Item Short Text	CHAR	40	Mandatory
MPOS	BAUTL	BAUTL	Assembly	CHAR	40	Not Used
MPOS	IWERK	IWERK	Maintenance Planning Plant	CHAR	4	System
MPOS	AUART	AUFART	Order Type	CHAR	4	Mandatory
MPOS	PRIOK	PRIOK	Priority	CHAR	1	Mandatory
MPOS	GSBER	GSBER	Business Area	CHAR	4	Not Used
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	Planner Group for Customer Service and Plant Maintenance	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	SERIALNR	GERNR	Serial Number	CHAR	18	Not Used
MPOS	SERMAT	MATNR	Material Number	CHAR	40	Not Used

3. Cycle definitions and Measing Points for Maintenance Plan

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
MPLA	WARPL	WARPL	Maintenance Plan	CHAR	12	System
MMPT	PAK_TEXT	TXZYKLUS	Text for maintenance package/cycle (time/performance)	CHAR	30	System
MMPT	POINT	IMRC_POINT	Measuring Point	CHAR	12	Conditional
MMPT	ZYKL1	DZYK_ZEIT	Maintenance package cycle/offset	FLTP	16(16)	System
MMPT	ZEIEH	DZEIEH	Unit for the performance of maintenance tasks	UNIT	3	System

Data Cleansing

Work Order Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Class information follows the Master Data Standard document that is located here [<include hyperlink>](#).

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
1016-001	C1	Invalid, Inactive or no maintenance item attached to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with inactive or no Maintenance Items attached.	Maintenance Item	PF2, WP2
1016-002	C1	Invalid, Inactive or no Task List allocated to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with a Task List which does not belong below: 1. Task List as per Relevancy Criteria	Task List	PF2, WP2
1016-003	C3	Duplicate Maintenance Plan Items by Technical Object, Task List, Strategy, Description	Maintenance Plan Items as per Relevancy Criteria where there is more than one Technical Object + Task List + Strategy + Description Combination.	Technical Object, Task List, Strategy, Description	PF2, WP2
1016-004	C1	Invalid, Inactive or no Characteristic allocated to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with a Characteristic which does not belong below: 1. Characteristic as per Relevancy Criteria	Characteristic	PF2, WP2
1016-005	C1	Invalid, Inactive or no Class allocated to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with a Class which does not belong below: 1. Class as per Relevancy Criteria	Class	PF2, WP2
1016-006	C1	Invalid, Inactive or no Equipment or Functional Location allocated to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with an Equipment or Functional Location which does not belong below: 1. Equipment as per Relevancy Criteria 2. Functional Location as per Relevancy Criteria	Equipment, Functional Location	PF2, WP2
1016-007	C1	Invalid, Inactive or no Maintenance Strategy allocated to Maintenance Plan	Maintenance Plan as per Relevancy Criteria assigned with a Maintenance Strategy which does not belong below: 1. Maintenance Strategy as per Relevancy Criteria	Maintenance Strategy	PF2, WP2
1016-008	C1	Invalid, Inactive or no Work Centre linked to Maintenance Plan	Maintenance Item assigned with invalid or inactive Work Centre	Work Centre	PF2, WP2
1016-009	C1	Invalid, inactive or no Maintenance Plans linked to Maintenance Item	Maintenance Item as per Relevancy Criteria assigned with blank or inactive Maintenance Plan attached.	Maintenance Plan	PF2, WP2
1016-010	C1	Invalid or inactive Measuring Point linked to Maintenance Plan	Maintenance Plan assigned with invalid or inactive Measuring Point	Measuring Point	PF2, WP2
1016-011	C1	Missing Maintenance Plan Description	Maintenance Plan Description is blank	Maintenance Plan Description	PF2, WP2
1016-012	C2	Maintenance Plan Descriptions with Informal Words	Maintenance Plan which contain Informal Words in the Maintenance Plan Description	Maintenance Plan Description	PF2, WP2

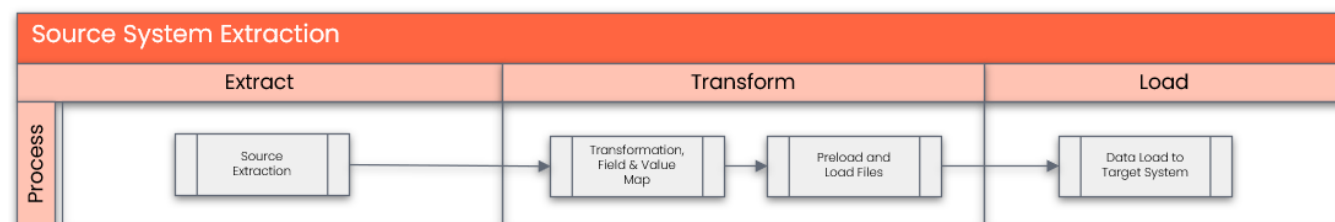
1016-013	C2	Maintenance Plan and Item Planning Plant incorrect	Maintenance Plan and Item as per Relevancy Criteria with Invalid Plant (T001W)	Planning Plant	PF2, WP2
1016-014	C1	Maintenance Plan and Item UOM Missing / incorrect.	Maintenance Plan and Item as per Relevancy Criteria with no UoM Assigned or Invalid UoM (T006)	Unit of Measure	PF2, WP2
1016-015	C1	Invalid or no Planner Group linked to Maintenance Plan and Item	Maintenance Plan and Item as per Relevancy Criteria with no Planner Group Assigned or Invalid Planner Group (T024I)	Planner Group	PF2, WP2
1016-016	C1	Maintenance Plan and Item Technical object authorization group incorrect.	Maintenance Plan and Item as per Relevancy Criteria with Invalid Authorization Group (T370F)	Authorization Group	PF2, WP2
1016-017	C2	Functional Item Planning Plant and Maintenance Plant are not the same.	Maintenance Item as per Relevancy Criteria with Planning Plant <> Maintenance Plant	Maintenance Plant, Planning Plant	PF2, WP2

Informal Words **

Group 1	Group 2	Group 3	Group 4	Group 5
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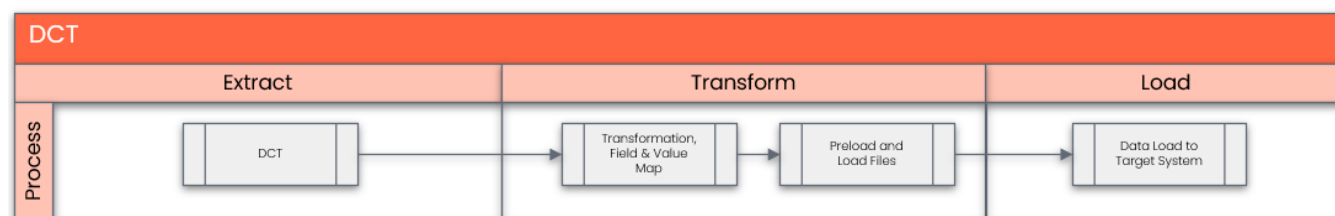
Conversion Process

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



For sites that are not on SAP-PF2 and WP2 systems, collection will be done manually in the data collection template.

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 . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into . There are 3 methods:
 - a. Perform full data extraction from relevant tables in the source system(s).
 - b. Perform extraction through the application layer.

- c. Only if 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
2	Google Sheet report pre-populated with WP2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team

Selection Screen

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

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for Maintenance Plan and Item data with exception of some fields which require transformation as mentioned in the transformation rule.

Maintenance Plan and Item DCT Rules

1. Maintenance Plan Header - MPLA

Field Name	Field Description	Rule
zLegacyWARPL	Legacy Maintenance Plan	Reference information from PF2, WP2
WARPL	Maintenance Plan	Running number NNNNNNNN to NNNNNNNN for Maintenance Plan Category = XXX.
MPTYP	Maintenance Plan category	Must reference to active Maintenance Plan category in S4/HANA (T399W)
zLegacyWPTXT	Legacy Maintenance Plan text	
WPTXT	Maintenance Plan text	40 Char text
zLegacySTRAT	Legacy Maintenance strategy	
STRAT	Maintenance strategy	Must reference to active strategy. Must be the same strategy as the task list strategy Naming Convention as follows: XX_XXX E.g - 01_001
HORIZ_QUALIFIER	Calculation Type of Call Horizon	Default to "% " if blank
ABRHO	Scheduling Period	Default to "3" if blank
HUNIT	Unit in scheduling interval	Default to "YR" if blank and ABRHO is blank
PLAN_SORT	Sort field for maintenance plans	Must reference to active Sort field in S4/HANA (T399G)
TPLNR	Functional Location	Must reference to active Functional Location in S4/HANA (IFLO)
EQUNR	Equipment Number	Must reference to active Equipment Number in S4/HANA (EQUI) Can be Blank only if FLOC is updated. Valid Entry if CT of the Equipment = Task List CT
CLASS	Class number	Default to "9999"

2. Maintenance Plan Items

Field Name	Field Description	Rule
zLegacyWARPL	Legacy Maintenance Plan	Reference information from PF2, WP2.
zLegacyWAPOS	Legacy Maintenance item	
WARPL	Maintenance Plan	Must reference to active Maintenance Plan (MPLA).
WAPOS	Maintenance item	
zLegacyPSTXT	Legacy Item Short Text	
PSTXT	Item Short Text	Description shall be defined as Frequency + TOT + Asset Tag.

zLegacyPRIOK	Legacy Priority	
PRIOK	Priority	Must reference to active Priority in S4/HANA (T356).
PLNTY	Task List Type	Must reference to active Task List Type Task List Type in S4/HANA (TCA01).
PLNNR	Key for Task List Group	Must reference to active Key for Task List Group in S4/HANA (PLKO).
PLNAL	Group Counter	Group - Group Counter CT shall be equal to the Technical Object CT.
AUFART	Order Type	Must reference to active Order Type in S4/HANA (T003O). Default to "YA02".
WPGRP	Planner Group for Customer Service and Plant Maintenance	Must reference to active Maintenance Planner Group in S4/HANA (T024I). Default to the value derived from the technical object. Update the value if provided by business (Takes Precedence).
APFKT	Execution factor for whole task list	
ANLZU	System Condition	
POINT	Measuring Point	Must reference to active Measuring Point in S4/HANA (IMPTT). Must not be blank if the first 2 Chars of the Strategy = 02.

3. Cycle definitions and Measing Points for Maintenance Plan

Field Name	Field Description	Rule
zLegacyWARPL	Legacy Maintenance Plan	Reference information from PF2, WP2.
zLegacyNUMMER	Legacy Counter in control tables	
WARPL	Maintenance Plan	Must reference to active Maintenance Plan in S4/HANA (MPLA).
NUMMER	Counter in control tables	
POINT	Measuring Point	
ZEIEH	Unit for the performance of maintenance tasks	Must reference to active Unit of Measure (T006).
ZYKL1	Maintenance package cycle/offset	
PAK_TEXT	Text for maintenance package/cycle (time/performance)	System
LANGU	Primary language for object texts	
OFFSET	Start offset of a time-based maintenance package	
CYCLESEQIND	Cycle Set Sequence	
SETREPEATIND	Repeat Factor for Cycle Set Sequence	

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Ensure Syniti has the necessary connection and access to legacy servers	SyWay A2D Data Team
2	Ensure that the necessary cleansing activities in legacy sources are complete	SyWay A2D Data Team / Business
3	Ensure that create, change and deletion of master data is freeze in legacy Production system	Legacy IT
4	Relevancy Criteria for Characteristics	SyWay A2D Data Team
5	Relevancy Criteria for Class	SyWay A2D Data Team
6	Relevancy Criteria for Construction Type	SyWay A2D Data Team
7	Relevancy Criteria for Equipment	SyWay A2D Data Team
8	Relevancy Criteria for Functional Location	SyWay A2D Data Team
9	Relevancy Criteria for Maintenance Strategy	SyWay A2D Data Team
10	Relevancy Criteria for Measuring Point	SyWay A2D Data Team
11	Relevancy Criteria for Task List	SyWay A2D Data Team
12	Relevancy Criteria for Work Centre	SyWay A2D Data Team
13	Relevancy Criteria for Material Master	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	<Add steps from Syniti Migrate here>	Syniti
3	Review and Validate Error and Preload Reports	SyWay A2D Data Team
4	Generate Load Files	Syniti

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2, WP2	MPLA	HORIZ	Call horizon for maintenance plan calls	S/4HANA	MPLA	HORIZ	Call horizon for maintenance plan calls	If no legacy data provided, default to "100"
2	PF2, WP2	MPLA	HORIZ_QUALIFIER	Calculation Type of Call Horizon	S/4HANA	MPLA	HORIZ_QUALIFIER	Calculation Type of Call Horizon	If no legacy data provided, default to "%"
3	PF2, WP2	MPLA	ABRHO	Scheduling Period	S/4HANA	MPLA	ABRHO	Scheduling Period	If no legacy data provided, default to "3YR"
4	PF2, WP2	MPLA	HUNIT	Unit in scheduling interval	S/4HANA	MPLA	HUNIT	Unit in scheduling interval	If no legacy data provided, default to "Yr"
5	PF2, WP2	MPLA	TPLNR	Functional Location	S/4HANA	MPLA	TPLNR	Functional Location	Equipment field must be blank. Functional Location CT = Task List CT. System Generated if Equipment is Updated
6	PF2, WP2	MPLA	EQUNR	Equipment Number	S/4HANA	MPLA	EQUNR	Equipment Number	Can be Blank only if FLOC is updated. CT of the Equipment must match Task List CT
7	PF2, WP2	MPOS	PLNAL	Group Counter	S/4HANA	MPOS	PLNAL	Group Counter	Group - Group Counter CT must be same as the Technical Object CT
8	PF2, WP2	MPOS	WPGRP	Maintenance Planner Group	S/4HANA	MPOS	WPGRP	Maintenance Planner Group	Update the value if provided by business. If no legacy data provided, default to the value derived from the technical object.
9	PF2, WP2	MPOS	POSTXT	Item Short Text	S/4HANA	MPOS	POSTXT	Item Short Text	Description shall be defined as Frequency + TOT + Asset Tag
10	PF2, WP2	MPLA	MPTYP	Maintenance plan category	S/4HANA	MPLA	MPTYP	Maintenance plan category	Default to "PM"
11	PF2, WP2	MPLA	WPTXT	Maintenance Plan Text	S/4HANA	MPLA	WPTXT	Maintenance Plan Text	Maintenance Plan description must match Task list Description
12	PF2, WP2	MPOS	AUFART	Order Type	S/4HANA	MPOS	AUFART	Order Type	Default to "YA02"
13	PF2, WP2	MMPT	POINT	Measuring Point	S/4HANA	MMPT	POINT	Measuring Point	Updated if the first 2 Chars of the Strategy = 02.
14	PF2, WP2	MPLA	VSPOS	Shift Factor for Late Completion	S/4HANA	MPLA	VSPOS	Shift Factor for Late Completion	If no legacy data provided, default to "0"
15	PF2, WP2	MPLA	TOPOS	Tolerance for Late Completion (%)	S/4HANA	MPLA	TOPOS	Tolerance for Late Completion (%)	If no legacy data provided, default to "10%"
16	PF2, WP2	MPLA	VSNEG	Shift Factor for Early Completion	S/4HANA	MPLA	VSNEG	Shift Factor for Early Completion	If no legacy data provided, default to "0"
17	PF2, WP2	MPLA	TONEG	Tolerance for Early Completion (%)	S/4HANA	MPLA	TONEG	Tolerance for Early Completion (%)	If no legacy data provided, default to "10%"
18	PF2, WP2	MPLA	SFAKT	Cycle modification factor	S/4HANA	MPLA	SFAKT	Cycle modification factor	If no legacy data provided, default to "1"

19	PF2, WP2	MPLA	CALL_CONFIRM	Only Create New Call Object After Completing Predecessor	S/4HANA	MPLA	CALL_CONFIRM	Only Create New Call Object After Completing Predecessor	If no legacy data provided, default to blank. System Generated if Equipment is Updated
20	PF2, WP2	MPLA	STADT	Start date	S/4HANA	MPLA	STADT	Start date	If no legacy data provided, default to blank
21	PF2, WP2	RMIPM	ZEIT	Indicator for selection of time-based maintenance	S/4HANA	RMIPM	ZEIT	Indicator for selection of time-based maintenance	If no legacy data provided, default to "X"
22	PF2, WP2	KLAH	CLASS	Class number	S/4HANA	KLAH	CLASS	Class number	Default to "9999"
23	PF2, WP2	MPLA	WARPL	Maintenance Plan	S/4HANA	MPLA	WARPL	Maintenance Plan	Direct Mapping. Note: This is used to generate Global Xref (Maintenance Plan)

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

Transformation Mapping

Mapping Table Name	Mapping Table Description
Informal Characters	List of Informal Characters and New Translation
Maintenance Plan	Old to new Maintenance Plan
Maintenance Strategy	Old to new Maintenance Strategy
Material Number	Old to new Material Number
Task List	Old to new Task List
Assembly	Old to new Assembly
Sort field	Old to new Sort field
Functional Location	Old to new Functional Location
Equipment Number	Old to new Equipment Number
Maintenance item	Old to new Maintenance item
Priority	Old to new Priority
Task List	Old to new Task List
Order Type	Old to new Order Type
Planner Group	Old to new Planner Group
Measuring Point	Old to new Measuring Point
Unit of Measure	Old to new Unit of Measure
Maintenance Planner Group	Old to Maintenance Planner Group

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure DCT tables completeness	SyWay A2D Data Team
2	Value Mappings are according to the latest design -<List of Value Mappings>	SyWay A2D 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 Order 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: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

Business

Completeness

Task	Action
Verify Record Count	Business Data Owner/s to verify that the total number of relevant records from 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: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks

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	Obtain DCT Sign-off from Business	SyWay A2D Data Team
2	Syniti will provide load file	Syniti
3	Go to <Load Tool>	SyWay A2D Data Team
4	Load 3 records for "Create Maintenance Plan" function (IP01) to validate if data is loaded successfully without errors	SyWay A2D Data Team
5	Proceed with full load if step 4 is validated	SyWay A2D Data Team
6	Validate few records loaded by accessing standard transactions from S/4HNA E.g. IP03	SyWay A2D Data Team
7	Generate post load report if step 6 is validated	SyWay A2D Data Team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	Maintenance Plan Category

2	Maintenance Strategy
3	Maintenance Plan Sort Field details
4	Number Ranges for Work Plan & Item
5	System Condition
6	Priorities
7	T399I - Planning Plant
8	T003O - Order Types details
9	T001W - Plants/Branches details
10	TCA01 - Task List Type
11	T006 - Units of Measurement details
12	T024I - Maintenance planner groups

Conversion Objects

Object #	Preceding Object Conversion Approach
1002	Equipment
1003	Functional Location
1005	Task List
1017	Maintenance Strategy
1078	Cost element groups

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 Authorization Group	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 Notification Type	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.).
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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.
- Maintenance Plan and Item is in scope based on data design and any exception requested by business.
- All data cleansing and preparation has been completed.
- Maintenance Plan collection timeline are the same as Equipment and Functional Location collection. Maintenance Plan collection needs to go hand in hand with equipment and functional location collection. Drop down for equipment and functional location in the maintenance plan DCT relies on the input in equipment and functional location DCT.
- All Maintenance Plans and Items mapped to valid Technical Objects in S/4 HANA

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 70)	Apr 30, 2026 09:27	ERGUIZA-ext, Pinky Love	
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
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There are no pages at the moment.
