

CNV-9066 Open Condition Contracts (Rebates)

Status	Approved
Owner	PUN-ext, Eddy
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Purpose

The purpose of this document is to define the conversion approach to load Maintenance Plan Start object in order to Start the Maintenance Plans in S/4 HANA.

The purpose of the Maintenance Plan Start is to initiate the creation of Work Orders based on the criteria specified in the Maintenance Plans.

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

Conversion Scope

The conversion scope covers the approach for loading Maintenance Plan Start object in S/4 HANA system.

The data from legacy system includes:

1. All relevant Maintenance Plans (MPLA.WARPL)

The data from legacy system excludes:

1. Inactive Maintenance Plans ((System Status TJ02T-TXT04 = INAC)
2. Maintenance Plans (MPLA.WARPL) to be Excluded (Exclusion List Mapping: EXC-Maintenance Plan Start) from getting started

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2, WP2	Relevant Maintenance Plan for Maintenance Plan Start will be extracted from PF2 and WP2, excluding the records which require business decision, which include the following scenarios (not exhaustive): <ul style="list-style-type: none"> • Legacy Strategy Plans > S/4 Strategy Plans (with no further enrichment in the items and packages) • Legacy Single Cycle Plans > S/4 Strategy Plans (with only 1 package assigned) 	70,000	S/4 HANA	70,000
DCT	Maintenance Plan for Maintenance Plan Start for plants which do not have data existing from PF2 and WP2	TBD	S/4HANA	TBD
DCT	Relevant Maintenance Plan for Maintenance Plan Start for plants which have data existing from PF2 and WP2 requiring business decision and may fall under the following example scenarios (not exhaustive): <ul style="list-style-type: none"> • Maintenance Plans in legacy without scheduled calls all the way to the Business Continuity Cutoff Date • Legacy Single Cycle Plans > S/4 Strategy Plans (with more than 1 package assigned) • Legacy Strategy Plans > S/4 Strategy Plans (with enrichment in the items and packages) 	TBD	S/4HANA	TBD

Additional Information

Multi-language Requirement

Not Applicable

Document Management

Not Applicable

Legal Requirement

Not Applicable

Special Requirements

Not Applicable

Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
MHIS	WARPL	WARPL	Maintenance Plan	CHAR	12	Mandatory
MHIS	LRMDT	LRMDT	Date of Last Completion in Maintenance Plan	DATS	8	Conditional
MHIS	OFFZE	OFFZE	Offset with Start in Cycle	FLTP	16	Conditional
MHIS	RZAEH	RZAEH	Completion Counter Reading	FLTP	16	Conditional
MHIS	ADUNIT	DZEIEH	Unit for the Performance of Maintenance Tasks	CHAR	3	Conditional
-	KEEP	-	Keep or Delete Calls on Hold	CHECKBOX	1	Conditional
MHIS	NPLDA	NPLDA	Next Planned Date	DATS	8	Display only for validation purpose
MHIS	ZZAEHL	PAKETZAEHL	Maintenance Package Number (combined)	CHAR	40	Display only for validation purpose. This custom field will contain list of all packages for the next call, separated by comma(,)

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
9001-001	C1	Relevant and Active Maintenance Plan not scheduled until Business Continuity Cutoff Date. Set the Maintenance Plan to Inactive if not required to be started.	Business Continuity Cutoff Date is defined by parameter (MHIS-NPLDA). Based on all the relevant and active Maintenance Plans in MHIS table, identify what is the latest Plan Date (MHIS-NPLDA). If the date is before the Business Continuity Date parameter, this is an error.	Maintenance Plan, Call No, Package, Latest Plan Date	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 diagrams below.

The following represents the high-level process for Source System Extraction:



Relevant Maintenance Plan for Maintenance Plan Start will be extracted from PF2 and WP2, excluding the records which require business decision, which include the following scenarios (not exhaustive):

- Legacy Strategy Plans > S/4 Strategy Plans (with no further enrichment in the items and packages)
- Legacy Single Cycle Plans > S/4 Strategy Plans (with only 1 package assigned)

The following represents the high-level process for DCT:

? Unknown Attachment

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

- For sites not on SAP-PF2 or WP2 systems
- Relevant Maintenance Plan for Maintenance Plan Start for plants which have data existing from PF2 and WP2 requiring business decision, may fall under the following example scenarios (not exhaustive):
 - Maintenance Plans in legacy without scheduled calls all the way to the Business Continuity Cutoff Date
 - Legacy Single Cycle Plans > S/4 Strategy Plans (with more than 1 package assigned)
 - Legacy Strategy Plans > S/4 Strategy Plans (with enrichment in the items and packages)

Data Privacy and Sensitivity

Extraction

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

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

The agreed Relevancy criteria is applied to the extracted records as reference point to identify the records that are applicable for the data construction in the DCT.

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
1	Extract data from source system based on relevancy rule	SyWay Data Team
2	Google Sheet report pre-populated with PF2 and WP2 information to be generated based on 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 Measurement Document 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 Start Data Construction Rules

Field Name	Field Description	Rule
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zLegacyWARPL	Maintenance Plan Identifier	Mandatory Must either exist in legacy (for PF2/WP2 data), or exist in Maintenance Plan DCT.
ZWERKS	Plant	Mandatory Must be valid Planning Plant associated with the Maintenance Plan.
LRMDT	Date of Last Completion in Maintenance Plan	Conditional Mandatory if the Maintenance Plan is Time Based. Leave blank if the Maintenance Plan is Performance Based.
OFFZE	Offset with Start in Cycle	Conditional Populate if offset is required. Leave blank if offset is not required.
RZAEH	Completion Counter Reading	Conditional Mandatory if the Maintenance Plan is Performance Based. Leave blank if the Maintenance Plan is Time Based.
ADUNIT	Unit for the Performance of Maintenance Tasks	Mandatory
KEEP	Keep or Calls on Hold	Leave blank This field is only required if the Maintenance Plan needs to be rescheduled and there are existing calls on hold. X = Keep Calls on Hold. Blank = Delete Calls on Hold.

2. Maintenance Plan Start Exclusion Data Construction Rules

Field Name	Field Description	Rule
zLegacyWARPL	Legacy Maintenance Plan	Mandatory Must exist in legacy (PF2/WP2)
zLegacyWERKS	Legacy Plant	Mandatory Legacy Planning Plant associated with the Legacy Maintenance Plan
COMMENT	Comment	Mandatory Populate requirement for Exclusion

Extraction Dependencies

Item #	Step Description	Team Responsible
	Not Applicable	

Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow ADMM 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 ADMM
2. Prepare target-ready data in the structure and format that is required for loading via prescribed Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Obtain DCT Sign-off from Business.	SyWay Data Team
2	In dspMigrate, select the wave – S4/HANA – Plant Maintenance	Syniti
3	Go to Process Area Launch and Process the Object – Maintenance Plan Start	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

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

Transformation Mapping

Mapping Table Name	Mapping Table Description
EXC-Maintenance Plan Start	Exclusion List of Maintenance Plans to be Started
Maintenance Plan	Old to new Maintenance Plan

Transformation Dependencies

List the steps that need to occur before transformation can commence

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

Pre-Load Validation

Project Team

Completeness

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

Accuracy

Task	Action
Conversion Accuracy	SyWay A2D Data Team to verify that all fields below meet pass the checks: <ol style="list-style-type: none"> 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

Business

Completeness

Task	Action
Verify Record Count	Business Data Owner/s to verify that the total number of relevant records from the the DCT is equal to the total number of records in the Preload and Load Sheets.

Accuracy

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

Load

The load process includes:

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

Load Run Sheet

Item #	Step Description	Team Responsible
1	Ensure Pre-load sign-offs are obtained.	SyWay Data team
2	Go to the load tool and select the correct load Program.	SyWay Data team
3	Proceed with Data load.	SyWay Data team
4	Validate few records loaded by accessing standard transactions	SyWay Data team
5	Generate the post load reports in the tool.	SyWay Data team
6	Log errors as defects, if any and address resolutions. Close defects.	SyWay Data team
7	Resolve defects by 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

Cutover: 9001 - Maintenance Plan Start

Configuration

Item #	Configuration Item
	Not Applicable

Conversion Objects

Object #	Preceding Object Conversion Approach
1016	Maintenance Plan and Item

Error Handling

Error Type	Error Description	Action Taken
Invalid Data	Invalid Maintenance Plans and Items	Expedite whether the master data is available 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 EAM Maintenance Plant Start 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 Plant Start data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

Key Assumptions

- Maintenance Plan Start is in scope based on data design and any exception requested by business.
- 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.
- Manual starting of Maintenance Plans are not in scope
- For Starting of the Performance Based Maintenance Plans in S/4, no validations are performed at this point to verify if the next call date is after Business Continuity Cutoff Date. More data needs to be analysed to define the validation and will be performed after the Mock cycles are completed.

See also




Change log

Version	Published	Changed By	Comment
CURRENT (v. 43)	Feb 26, 2026 09:31	THANGARAJAN-ext, Ganesan	Remove CUI related instances
v. 42	Feb 26, 2026 07:53	THANGARAJAN-ext, Ganesan	Remove CUI related instances
v. 41	Nov 24, 2025 10:21	THANGARAJAN-ext, Ganesan	
v. 40	Nov 05, 2025 16:47	THANGARAJAN-ext, Ganesan	
v. 39	Oct 13, 2025 12:25	THANGARAJAN-ext, Ganesan	
v. 38	Oct 07, 2025 08:45	THANGARAJAN-ext, Ganesan	
v. 37	Sept 12, 2025 11:41	THANGARAJAN-ext, Ganesan	
v. 36	Sept 12, 2025 07:12	THANGARAJAN-ext, Ganesan	
v. 35	Sept 12, 2025 06:55	THANGARAJAN-ext, Ganesan	
v. 34	Sept 12, 2025 04:58	THANGARAJAN-ext, Ganesan	

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Workflow history

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

Mar 26, 2026	Actor	Type	Activity	Version
Approved	 SAMPANGIREDDY-ext, Archana	State	changed state to Approved at 10:00 am	v43
Revision under Review	 SAMPANGIREDDY-ext, Archana	State	gave <i>Minor change</i> approval at 10:00 am	
	 THANGARAJAN-ext, Ganesan	State	changed state to Revision under Review at 9:57 am	v43
Mar 18, 2026				
Revision in Progress	WENNINGER-ext, Sascha	State	changed state to Revision in Progress at 5:50 pm	v43

From Nov 24, 2025 to Feb 26, 2026

Edited following
Approval



THANGARAJAN-ext, Ganesan

Edit

updated the page at 10:21 am
