

# CNV-9101 Maintenance Planning Bucket

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

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

A Maintenance Planning Bucket is a logical container or grouping tool used by maintenance planners to organize and manage maintenance orders and notifications for a specific time period and scope. The scope of a planning bucket includes time, but also other important attributes of the maintenance jobs.

## Conversion Scope

The scope of this document covers the approach for converting active Revision from Legacy Source Systems into Maintenance Planning Bucket in S/4HANA.

In Syensqo, Maintenance Planning Buckets will primarily be used to release maintenance orders, enabling material staging, permit processing, and job scheduling, while preventing further structural changes to planning data.

Some of the key information required to support Maintenance Planning Buckets is not consistently maintained in the source systems.

There are currently two categories of revisions:

- Event-Based
- Weekly revisions.

These revision types are typically distinguished by a **Revision Type**. However, this field is not used in the source systems, despite being a key identifier for differentiating revision behaviour. In addition, revision dates are not maintained even when they are reused across open transactional data.

From a conversion perspective, the scope includes only the creation of **Event-Based revisions** into **Event-Based Maintenance Planning Buckets**. Weekly revisions will be handled during cutover activities and triggered via batch jobs, which will be owned by the core Functional team..

That said, to support data continuity, the mapping from legacy revisions to target Maintenance Planning Buckets for **Weekly revisions** will still be maintained as part of conversion. This ensures that downstream objects - such as Work Orders - can correctly reference the appropriate target Maintenance Planning Bucket.

Given this, and considering the estimated data volume, this object will be **fully constructed**. However, a source system report will still be required to supplement specific information needed to support the target system requirements.

The data from legacy system includes:

1. Revisions within **Maintenance Planning Plants** (T352R-IWERK) **in scope** (Value Mapping: Plant where Maintenance Plant = Yes)
2. Revisions with a **Date of Revision End in the future**, based on the following conditions:
  - **Populated Date of Revision Start** (T352R-REVD <> "") **and Date of Revision End** (T352R-REVED <> "")
  - **Date of Revision End** (T352R-REVED) **is in the future** (T352R-REVED) > Migration Date (Value Mapping: OTH\_Migration\_Date Relevant Values A2D (using Object ID "9101" and Field Name = "T352R-REVED"))
3. Revisions with **Missing Date of Revision Start** (T352R-REVD = "") **or Date of Revision End** (T352R-REVED = "") **with Open Legacy Work Order Assigned** (AUFK-AUFNR)

The data from legacy system excludes:

1. **Completed Revisions** (Indicator: Revisions Completed (T352R-REVTY = "X"))
2. Revisions **in the Past** (Date of Revision End (T352R-REVED) < Migration Date (Value Mapping: OTH\_Migration\_Date Relevant Values A2D (using Object ID "9101" and Field Name = "T352R-REVED"))
3. Revisions with **Missing Date of Revision Start** (T352R-REVD = "") or **Date of Revision End** (T352R-REVED = "") **with NO Open Legacy Work Order Assigned** (AUFK-AUFNR)

**Note:** Open Legacy Work Order (AUFK-AUFNR) Criteria: </Start CR0438> System Status (JEST-STAT) <= TECO (Technically Completed) With Active (JEST-INAC <= 'X') System Status (JEST-STAT) = Created (**CRTD**) or Released (**REL**) </End CR0438>

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 |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|------------------------------|
| DCT    | Maintenance Planning Bucket will be collected via DCT. An initial extract of all relevant Revisions will be provided in google sheet format to assist business in decision making on including any relevant Revision from PF2 and WP2 as Maintenance Planning Buckets.<br><br><b>Note:</b> A full Data Construct will be created for Maintenance Planning Bucket as explained in Conversion Scope. | 250                          | S/4HANA       | 250                          |
| DCT    | Maintenance Planning Bucket for plants which do not have data existing from PF2 and PF2                                                                                                                                                                                                                                                                                                            | 50                           | S/4HANA       | 50                           |

## Additional Information

### Multi-language Requirement

Maintenance Planning Bucket does not have multi language support. Maintenance Planning Bucket text will be migrated using EN logon.

### 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 Planning Bucket

| Table        | Field                          | Data Element              | Field Description                                          | Data Type | Length | Requirement |
|--------------|--------------------------------|---------------------------|------------------------------------------------------------|-----------|--------|-------------|
| EAM_PLNG BKT | MAINTENANCEPLANNINGBUCKET      | EAM_PLNGBCKT_OBJNR        | Object Number of Maintenance Planning Bucket               | CHAR      | 20     | System      |
| EAM_PLNG BKT | MAINTENANCEPLANNINGPLANT       | IWERK                     | Maintenance Planning Plant                                 | CHAR      | 4      | Mandatory   |
| EAM_PLNG BKT | MAINTENANCEPLANT               | WERKS_D                   | Plant                                                      | CHAR      | 4      | Mandatory   |
| EAM_PLNG BKT | MAINTPLNGBUCKETLABEL           | EAM_PLNGBKTLABEL          | Label used for identifying the Maintenance Planning Bucket | CHAR      | 40     | Mandatory   |
| EAM_PLNG BKT | MAINTPLANNINGBUCKETDESCRIPTION | EAM_PLNGBKTDDESC          | Description of the Maintenance Planning Bucket             | CHAR      | 40     | Mandatory   |
| EAM_PLNG BKT | MAINTPLANNINGBUCKETTYPE        | EAM_PLNGBKTTYPE           | Maintenance Planning Bucket Type                           | CHAR      | 3      | Mandatory   |
| EAM_PLNG BKT | MAINTPLNGBUCKETSTARTDATE       | EAM_PLNGBKTSTARTDATE      | Start of the Maintenance Planning Bucket                   | DEC       | 15     | Mandatory   |
| EAM_PLNG BKT | MAINTPLNGBUCKETENDDATE         | EAM_PLNGBKTENDDATE        | End of the Maintenance Planning Bucket                     | DEC       | 15     | Mandatory   |
| EAM_PLNG BKT | MAINTENANCESYSTEMSTATUSCODE    | J_STATUS                  | Object status                                              | CHAR      | 5      | Mandatory   |
| EAM_PLNG BKT | MAINTENANCEEVENT               | REVNI                     | Revision for Plant Maintenance and Customer Service        | CHAR      | 8      | System      |
| EAM_PLNG BKT | PERSONRESPONSIBLE              | EAM_PERSONRESP_CHARACTER8 | Person Responsible                                         | CHAR      | 8      | Conditional |

## 2. Maintenance Events

| Table   | Field                          | Data Element         | Field Description                                          | Data Type | Length | Requirement |
|---------|--------------------------------|----------------------|------------------------------------------------------------|-----------|--------|-------------|
| IMR__VH | MAINTENANCEPLANNINGPLANT       | IWERK                | Maintenance Planning Plant                                 | CHAR      | 4      | Mandatory   |
| IMR__VH | MAINTENANCEREVISION            | REVNI                | Revision for Plant Maintenance and Customer Service        | CHAR      | 8      | System      |
| IMR__VH | MAINTENANCEEVENTTYPE           | DIWPS_REVTY_C<br>ORE | Revision Type                                              | CHAR      | 2      | Mandatory   |
| IMR__VH | MAINTPLNGBUCKETLABEL           | REVTX                | Label used for identifying the Maintenance Planning Bucket | CHAR      | 40     | Mandatory   |
| IMR__VH | MAINTPLANNINGBUCKETDESCRIPTION | EAM_PLNGBKT<br>LABEL | Description of the Maintenance Planning Bucket             | CHAR      | 40     | Mandatory   |

**Note:** Each Maintenance Planning Bucket will correspond to one Maintenance Event.

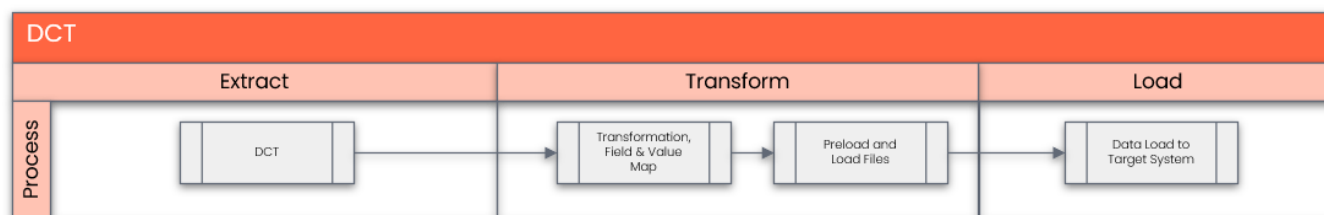
## Data Cleansing

| ID       | Criticality | Error Message /Report Description                                      | Rule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Output                                                                                                                          | Source System |
|----------|-------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------|
| 9101-001 | C2          | Missing Events-Based Revision Start and End Dates                      | <p>Events-Based Revision as per Relevancy Criteria where either Start or End Date is not available</p> <ol style="list-style-type: none"> <li>Revision Type from Value Mapping: Maintenance Planning Bucket (Old to New Mapping) = ("Events-Based", &lt;blank&gt;)</li> <li>Revisions missing from Value Mapping: Maintenance Planning Bucket (Old to New Mapping)</li> <li>Missing Date of Revision Start or Date of Revision End</li> </ol>                                                                                                                              | Maintenance Planning Plant, Revision, Description, Date of Revision Start, Date of Revision End                                 | PF2, WP2      |
| 9101-002 | C3          | Info Report: Non-Relevant Events-Based Revision (Will not be migrated) | <p>Events-Based Revision of in scope Maintenance Plants and falls in any of the criteria below:</p> <ul style="list-style-type: none"> <li>Completed (Indicator: Revisions Completed (T352R-REVTY = "X"))</li> <li>Revisions in the Past (Date of Revision End (T352R-REVED) &lt; Migration Date (Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9101" and Field Name = "T352R-REVED"))</li> </ul> <p><i>Note: These Revisions will not be not migrated. Where necessary, the business can set the Date of Revision End to a future date.</i></p> | Maintenance Planning Plant, Revision, Description, Date of Revision Start, Date of Revision End, Indicator: Revisions Completed | PF2, WP2      |

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

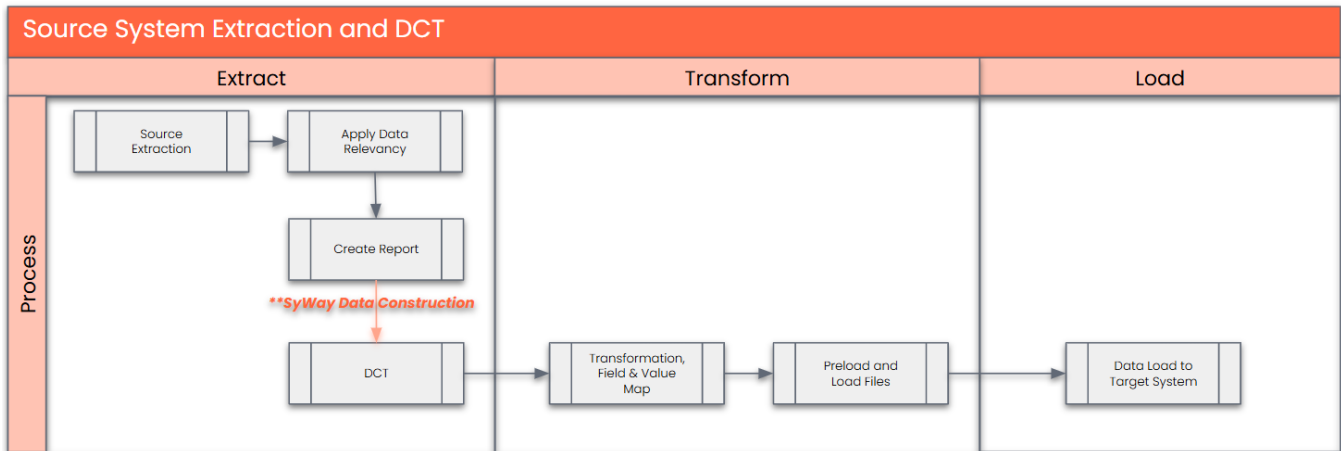
## Conversion Process

The following represents the high-level process for DCT:



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

- For sites not on SAP-PF2 or WP2 systems



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

- Relevant Events-Based Revisions from PF2 and WP2 systems

## Data Privacy and Sensitivity

Not Applicable

## Extraction

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

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

### 1. Maintenance Planning Bucket DCT Rules

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

|                                |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAINTENANCEPLANNINGPLANT       | Maintenance Planning Plant                                 | <p>Mandatory.</p> <p>Allowed values: List from Value Mapping - Plant where Maintenance Plant = Yes</p>                                                                                                                                                                                                                                                                                                                                                                   |
| zLegacyREVNR                   | Legacy Revision for Plant Maintenance and Customer Service | <p>Mandatory.</p> <ul style="list-style-type: none"> <li>Staging identifier used to uniquely define a Maintenance Planning Bucket.</li> <li>For data originating from WP2/PF2, the value must exist as a revision in PF2/WP2.</li> </ul>                                                                                                                                                                                                                                 |
| MAINTPLNGBUCKETLABEL           | Label used for identifying the Maintenance Planning Bucket | <p>Mandatory.</p> <p>The naming convention for Maintenance Planning Bucket will follow the structure:</p> <p>Structure: EVT_Year_Free Text</p> <ul style="list-style-type: none"> <li>EVT: Event-Based Maintenance</li> <li>Year: 4 Char Year (e.g., 2026)</li> <li>Free Text: Unique description for this bucket</li> </ul> <p>Example: EVT_2026_Shutdown 01</p>                                                                                                        |
| MAINTPLANNINGBUCKETDESCRIPTION | Description of the Maintenance Planning Bucket             | <p>Mandatory.</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul> |
| zMAINTPLNGBUCKETSTARTDATE      | Start Date of the Maintenance Planning Bucket              | <p>Mandatory.</p> <ul style="list-style-type: none"> <li>Start date of validity of the Maintenance Planning Bucket</li> <li>Must be in DDMMYYYY format</li> </ul>                                                                                                                                                                                                                                                                                                        |
| zMAINTPLNGBUCKETSTARTTIME      | Start Time of the Maintenance Planning Bucket              | <p>Mandatory.</p> <ul style="list-style-type: none"> <li>Start time of validity of the Maintenance Planning Bucket</li> <li>Must be in HHMMSS format</li> <li>If the user does not provide a value, this will be set to 000000.</li> </ul>                                                                                                                                                                                                                               |
| zMAINTPLNGBUCKETENDDATE        | End Date of the Maintenance Planning Bucket                | <p>Mandatory.</p> <ul style="list-style-type: none"> <li>End date of validity of Maintenance Planning Bucket</li> <li>Ensure date is after the "Go-Live" Date. Should be later than the Start Date of the Maintenance Planning Bucket</li> <li>Must be in DDMMYYYY format</li> </ul> <p><i>Note: "Go-Live" = "Migration Date" during Mocks</i></p>                                                                                                                       |
| zMAINTPLNGBUCKETENDTIME        | End Time of the Maintenance Planning Bucket                | <p>Mandatory.</p> <ul style="list-style-type: none"> <li>End time of validity of the Maintenance Planning Bucket</li> <li>Must be in HHMMSS format</li> <li>If the user does not provide a value, this will be set to 235959.</li> </ul>                                                                                                                                                                                                                                 |
| PERSONRESPONSIBLE              | Person Responsible                                         | <p>Conditional.</p> <ul style="list-style-type: none"> <li>Must be a valid Person Responsible</li> <li>Select supervisor who manages the Maintenance Planning Bucket. Otherwise, leave the field blank.</li> </ul>                                                                                                                                                                                                                                                       |

|                      |                        |                                                                                                                                                                 |
|----------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAINTENANCEEVENTTYPE | Maintenance Event Type | Mandatory. <ul style="list-style-type: none"> <li>Event Type of the Maintenance Event</li> <li>Needs to be selected from value list (IMAINTEVTYPEVH)</li> </ul> |
|----------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2. Maintenance Planning Bucket (Old to New Mapping) DCT Rules

| Field Name               | Field Description                                          | Rule                                                                                                                                                                                                                                                             |
|--------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zLegacyIWERK             | Legacy Maintenance Planning Plant                          | Mandatory.<br><br>Allowed values: List from Value Mapping - Plant where Maintenance Plant = Yes                                                                                                                                                                  |
| zLegacyREVNR             | Legacy Revision for Plant Maintenance and Customer Service | Mandatory. <ul style="list-style-type: none"> <li>Staging identifier used to uniquely define a Maintenance Planning Bucket.</li> <li>For data originating from WP2/PF2, the value must exist as a revision in PF2/WP2.</li> </ul>                                |
| zRevisionType            | Legacy Revision Type                                       | Mandatory.<br><br>Allowed Values: <ul style="list-style-type: none"> <li>Events-Based</li> <li>Weekly Revision</li> </ul>                                                                                                                                        |
| MAINTENANCEPLANNINGPLANT | Maintenance Planning Plant                                 | Mandatory.<br><br>Allowed values: List from Value Mapping - Plant where Maintenance Plant = Yes                                                                                                                                                                  |
| MAINTPLNGBUCKETLABEL     | Label used for identifying the Maintenance Planning Bucket | Mandatory. <ul style="list-style-type: none"> <li>Label used for identifying the Maintenance Planning Bucket as per Maintenance Planning Bucket DCT (Maintenance Planning Bucket DCT Rules)</li> </ul>                                                           |
| MAINTENANCEEVENT         | Maintenance Event                                          | Mandatory. <ul style="list-style-type: none"> <li>New Maintenance Event associated to the Label used for identifying the Maintenance Planning Bucket</li> </ul> <p><b>Note:</b> This is a system-generated field and will be populated post data load to S/4</p> |

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

## Extraction Dependencies

| Item # | Step Description | Team Responsible |
|--------|------------------|------------------|
|        | Not Applicable   |                  |

## Transformation

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

- Perform value mapping and data transformation rules.
  - Legacy values are mapped to the to-be values (this could include a default value)
  - Values are transformed according to the rules defined in Advanced Data Migration and Management (ADMM)
- 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 Planning Bucket | 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 Planning Bucket

| Rule # | Source system | Source Table | Source Field                    | Source Description                                         | Target System | Target Table | Target Field                     | Target Description                                         | Transformation Logic                                                                                                                                                                                                                                                    |
|--------|---------------|--------------|---------------------------------|------------------------------------------------------------|---------------|--------------|----------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | -             | -            | -                               |                                                            | S/4 Hana      | EAM_PLN GBKT | MAINTPLANN INGBUCKET UUID        | UUID in X form (binary)                                    | System Generated<br><br><i>Note: To be created using the Custom Load Program. Leave this field blank in the Preload file.</i>                                                                                                                                           |
| 2      | DCT           | -            | MAINTENANCE PLANNINGPLANT       | Maintenance Planning Plant                                 | S/4 Hana      | EAM_PLN GBKT | MAINTENANCE PLANNING PLANT       | Maintenance Planning Plant                                 | Direct Mapping                                                                                                                                                                                                                                                          |
| 3      | DCT           | -            | MAINTENANCE PLANNINGPLANT       | Maintenance Planning Plant                                 | S/4 Hana      | EAM_PLN GBKT | MAINTENANCE PLANT                | Plant                                                      | Direct Mapping                                                                                                                                                                                                                                                          |
| 4      | DCT           | -            | MAINTPLNGBUCKETLABEL            | Label used for identifying the Maintenance Planning Bucket | S/4 Hana      | EAM_PLN GBKT | MAINTPLNGBUCKETLABEL             | Label used for identifying the Maintenance Planning Bucket | Direct Mapping                                                                                                                                                                                                                                                          |
| 5      | DCT           | -            | MAINTPLANN INGBUCKETDESCRIPTION | Description of the Maintenance Planning Bucket             | S/4 Hana      | EAM_PLN GBKT | MAINTPLANN INGBUCKET DESCRIPTION | Description of the Maintenance Planning Bucket             | Direct Mapping                                                                                                                                                                                                                                                          |
| 6      | -             | -            | -                               | -                                                          | S/4 Hana      | EAM_PLN GBKT | MAINTPLANN INGBUCKETTYPE         | Maintenance Planning Bucket Type                           | Default to "STO" for Event Based Maintenance                                                                                                                                                                                                                            |
| 7      | DCT           | -            | zMAINTPLNGBUCKETSTARTDATE       | Start Date of the Maintenance Planning Bucket              | S/4 Hana      | EAM_PLN GBKT | MAINTPLNGBUCKETSTARTDATE         | Start of the Maintenance Planning Bucket                   | If zMAINTPLNGBUCKETSTART TIME does not have a value in DCT, default to 000000.<br><br>Concatenate from source fields of DCT EAM_PLNGBKT:<br><ul style="list-style-type: none"> <li>zMAINTPLNGBUCKETSTARTDATE</li> <li>","</li> <li>zMAINTPLNGBUCKETSTARTTIME</li> </ul> |
| 8      | DCT           | -            | zMAINTPLNGBUCKETSTARTTIME       | Start Time of the Maintenance Planning Bucket              |               |              |                                  |                                                            |                                                                                                                                                                                                                                                                         |
| 9      | DCT           | -            | zMAINTPLNGBUCKETENDDATE         | End Date of the Maintenance Planning Bucket                | S/4 Hana      | EAM_PLN GBKT | MAINTPLNGBUCKETENDDATE           | End of the Maintenance Planning Bucket                     | If zMAINTPLNGBUCKETENDTIME does not have a value in DCT, default to 235959.<br><br>Concatenate from source fields of DCT EAM_PLNGBKT:<br><ul style="list-style-type: none"> <li>zMAINTPLNGBUCKETENDDATE</li> <li>","</li> <li>zMAINTPLNGBUCKETENDTIME</li> </ul>        |
| 10     | DCT           | -            | zMAINTPLNGBUCKETENDTIME         | End Time of the Maintenance Planning Bucket                |               |              |                                  |                                                            |                                                                                                                                                                                                                                                                         |
| 11     | -             | -            | -                               | -                                                          | S/4 Hana      | EAM_PLN GBKT | MAINTENANCESYSTEMSTATUSCODE      | Object status                                              | Default to "I0002" for Released                                                                                                                                                                                                                                         |
| 12     | -             | -            | -                               | -                                                          | S/4 Hana      | EAM_PLN GBKT | MAINTENANCEEVENT                 | Revision for Plant Maintenance and Customer Service        | System Generated<br><br><i>Note: To be created using the Custom Load Program. Leave this field blank in the Preload file.</i>                                                                                                                                           |
| 13     | -             | -            | -                               | -                                                          | S/4 Hana      | EAM_PLN GBKT | PERSONRESPONSIBLE                | Person Responsible                                         | Direct Mapping                                                                                                                                                                                                                                                          |

### 2. Maintenance Events

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

|   |     |   |                                |                                                            |          |         |                                |                                                            |                  |
|---|-----|---|--------------------------------|------------------------------------------------------------|----------|---------|--------------------------------|------------------------------------------------------------|------------------|
| 1 | DCT | - | MAINTENANCEPLANNINGPLANT       | Maintenance Planning Plant                                 | S/4 Hana | IMR__VH | MAINTENANCEPLANNINGPLANT       | Maintenance Planning Plant                                 | Direct Mapping   |
| 2 | -   | - | -                              | -                                                          | S/4 Hana | IMR__VH | MAINTENANCE REVISION           | Revision for Plant Maintenance and Customer Service        | System Generated |
| 3 | DCT | - | MAINTENANCEEVENTTYPE           | Revision Type                                              | S/4 Hana | IMR__VH | MAINTENANCE EVENTTYPE          | Revision Type                                              | Direct Mapping   |
| 4 | DCT | - | MAINTPLNGBUCKETLABEL           | Label used for identifying the Maintenance Planning Bucket | S/4 Hana | IMR__VH | MAINTPLNGBUCKETLABEL           | Label used for identifying the Maintenance Planning Bucket | Direct Mapping   |
| 5 | DCT | - | MAINTPLANNINGBUCKETDESCRIPTION | Description of the Maintenance Planning Bucket             | S/4 Hana | IMR__VH | MAINTPLANNINGBUCKETDESCRIPTION | Description of the Maintenance Planning Bucket             | Direct Mapping   |

**Note:** Each Maintenance Planning Bucket will correspond to one Maintenance Event.

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

## Transformation Mapping

| Mapping Table Name                               | Mapping Table Description                                      |
|--------------------------------------------------|----------------------------------------------------------------|
| OTH_Migration_Date Relevant Values A2D           | Dates to be defaulted for A2D objects for each Migration Cycle |
| Plant                                            | Old to New Plant Mapping                                       |
| Maintenance Planning Bucket (Old to New Mapping) | Old Revision to Maintenance Planning Bucket Mapping            |

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 | Data team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets. |

### Accuracy

| Task                 | Action                                                                                                                                                                                                                                              |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conversion Accuracy  | <p>Data team to verify that all fields below meet pass the checks:</p> <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 team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets. |

### Accuracy

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

**Note:** A custom load program is required and is to be developed by the SyWay Development Team.

### 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

### Configuration

| Item # | Configuration Item                   |
|--------|--------------------------------------|
| 1      | T001W-Plants/Branches                |
| 2      | T399I-Planning Plant                 |
| 3      | TJ02-System status                   |
| 4      | IMAINTVTYPEVH-Maintenance Event Type |

## Conversion Objects

| Object # | Preceding Object Conversion Approach |
|----------|--------------------------------------|
|          | Not Applicable                       |

## Error Handling

| Error Type    | Error Description                          | Action Taken                                                       |
|---------------|--------------------------------------------|--------------------------------------------------------------------|
| 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 Status                      | Engage Functional team to expedite and fix the error in the system |
| Configuration | Invalid Maintenance Maintenance Event Type | Engage Functional team to expedite and fix the error in the system |

## Post-Load Validation

### Project Team

### Completeness

| Task         | Action                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verify Count | 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 | Data team to verify that the Measuring Point 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 Measuring Point data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA. |

## Key Assumptions

- Maintenance Planning Bucket 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.
- Weekly Revisions are not in Conversion Scope. However, to support the data conversion of downstream objects such as Work Orders, the mapping from legacy Weekly Revisions to target Maintenance Planning Buckets will still be maintained within the data value mapping.
- A Maintenance Planning Bucket can only contain a single Maintenance Event. Each revision in the source system will be linked to a single Maintenance Planning Bucket and each Maintenance Planning Bucket will correspond to one Maintenance Event.

# See also

Maintenance Planning Bucket is managed using Fiori Application and the some of the data sits within CDS views.

Since this is a new functionality, references have been included below to support the conversion process.

## 1. General Information

Description of the Maintenance Planning Bucket

EditApplication LogsChange Scheduling

Time Period

Duration: 7 DAY  
Week / Year: 04 / 2026

Type

Event-Based Maintenance

Status

Released

Execution Objects

Notifications0

Orders0

Total0

General Information

Event Planning and Execution Objects

System Status

Basic Data

General Data

Planning Bucket:  
Planning Bucket  
(Description)

Type:  
Events-Based Maintenance

Description:  
Description

Planning Plant:  
Maintenance Planning Plant

Person Responsible:  
Person Responsible

Maintenance Plant:  
Maintenance Plant

Time Period

Start Date and Time:  
DD.MM.YYYY, HH:MM:SS

End Date and Time:  
DD.MM.YYYY, HH:MM:SS

Duration:  
7 DAY

Recurrence:  
Once

## 2. Event Planning and Execution Objects

Description of the Maintenance Planning Bucket

EditApplication LogsChange Scheduling

Time Period

Duration: 7 DAY  
Week / Year: 04 / 2026

Type

Event-Based Maintenance

Status

Released

Execution Objects

Notifications0

Orders0

Total0

General Information

Event Planning and Execution Objects

System Status

Event Planning

Maintenance Event:  
Maintenance Event

Maintenance Event Type:  
Maintenance Event Type

Administrative Maintenance Order:  
—

## 3. System Status

Description of the Maintenance Planning Bucket

Edit

Application Logs

Change Scheduling

Time Period

Duration: 7 DAY

Week / Year: 04 / 2026

Type

Event-Based Maintenance

Status

Released

Execution Objects

Notifications

0

Orders

0

Total

0

General Information | ▾

Event Planning and Execution Objects | ▾

System Status

System Status (1)

Standard ▾

| Status | Text     |
|--------|----------|
| REL    | Released |

## Change log

| Version                 | Published                 | Changed By                     | Comment                                                       |
|-------------------------|---------------------------|--------------------------------|---------------------------------------------------------------|
| <b>CURRENT (v. 116)</b> | <b>Apr 13, 2026 11:59</b> | <b>ERGUIZA-ext, Pinky Love</b> |                                                               |
| v. 115                  | Apr 10, 2026 11:21        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 114                  | Mar 25, 2026 05:09        | ERGUIZA-ext, Pinky Love        | PDM-1373: Removal of Reference to TC24 as result of Unit Test |
| v. 113                  | Mar 25, 2026 05:04        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 112                  | Mar 25, 2026 05:01        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 111                  | Feb 12, 2026 13:53        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 110                  | Feb 12, 2026 13:52        | ERGUIZA-ext, Pinky Love        | MAINTPLNGBUCKETLABEL: Updated Rule post Functional Review     |
| v. 109                  | Feb 12, 2026 13:50        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 108                  | Feb 10, 2026 12:55        | ERGUIZA-ext, Pinky Love        |                                                               |
| v. 107                  | Feb 04, 2026 10:25        | ERGUIZA-ext, Pinky Love        |                                                               |

[Go to Page History](#)

## Workflow history

| Title                             | Last Updated By | Updated | Status |
|-----------------------------------|-----------------|---------|--------|
| There are no pages at the moment. |                 |         |        |