

# CNV-9004 Notification

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## Purpose

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

A Notification is a structured record in SAP PM used to report, track, and manage maintenance issues or requests. It acts as the starting point for most maintenance processes, ensuring that problems, inspections, or service requests are documented and communicated.

Legacy Plant Maintenance Notification is using a diverse range of formats across the different systems. As per SyWay design, EAM Notification will be standardized.

## Conversion Scope

The scope of this document covers the approach for converting active Notification from Legacy Source Systems into S/4HANA.

In standard SAP functionality whenever an asset or its component is identified as having suffered a fault or malfunction, a *maintenance notification* is created to report the event and to request maintenance. The appropriate technical object (i.e. functional location or equipment) that represents the asset is referenced on that notification along with the suspected symptom and other information (e.g. priority, short / long description, date, reported by, breakdown indicator, etc.)

In general terms, a notification can be utilised in the following situations:

- Corrective Maintenance work identification - non-breakdown maintenance requests, in-service breakdowns, extra malfunctions uncovered during routine maintenance
- Activity reports during routine maintenance and inspections
- Work order execution and completion - recording of technical data such as failure/cause codes)
- Condition-based / predictive maintenance - creation of notifications when asset reaches an exceptional technical condition (e.g. measurements exceed or fall below a certain tolerance)

Besides capturing maintenance requests and providing a means to track outstanding faults/defects and their current rectification, notifications are also used to capture malfunction and failure data which is crucial for long-term asset reliability analysis.

The data from legacy system includes:

1. All Notifications (all system status (</Start CR0438> ~~TJ02T-TXT04~~ JEST-STAT</End CR0438>)) with the following conditions \*\*:
  - a. created date (QMEL-ERDAT) is greater than </Start CR0438> or equal to </End CR0438> value defined in **OTH\_Migration\_Date Relevant Values A2D** - 6 months) within the 6 months (with or without WO assigned (QMEL-AUFNR))
  - b. created date (QMEL-ERDAT) is lesser than or equal to value defined in **OTH\_Migration\_Date Relevant Values A2D** - 6 months) after 6 months (only if OPEN WO: </Start CR0438> (JEST-INAC <> 'X') </End CR0438>); (JEST-STAT= **CRTD** or **REL**) is assigned (QMEL-AUFNR))
2. All Maintenance Notification Types (QMART where TQ80-QMTYP = '01')
3. Notifications having Maintenance Plant (QMEL-ARBPLWERK) in scope - Refer to Value Mapping: Plant (Maintenance Plant = Yes)

The data from legacy system excludes:

1. Notification with Source System Status Notification completed status (</Start CR0438> (JEST-INAC <> 'X') and ~~TJ02T-TXT04~~ JEST-STAT </End CR0438>= **DLFL** (flagged for Deletion), **ARNB** (Blocked for Archiving), **NOCO** (Completed))
2. Notification (does not have </Start CR0438> (JEST-INAC <> 'X') and ~~TJ02T-TXT04~~ JEST-STAT </End CR0438> = **ORAS**) without WO assigned that are generated from the Maintenance Plan (QMIH-WARPL is not blank)

Note:

1. S4 Notification Type in scope: **Y1** (Maintenance Request), **Y2** (Proactive Work)
2. S4 Notification Type not in scope: **Y3** (Project), **Y4** (Refurbishment) and **Y5** (Engineering Management of Change (MOC))

### \*\* Illustration of this point (1)

Assumption:

1. **OTH\_Migration\_Date Relevant Values A2D** = 31 Dec 2026
2. **OTH\_Migration\_Date Relevant Values A2D** - 6 Months = 30 June 2026

Scenario	Notif Creation Date	Open WO Assigned?	Relevant?	Rationale
1	1 July 2026 and after	Yes	Yes	Notification is created after the date in (Assumption 2) Relevant regardless of whether there is Open WO assigned or not
2	1 July 2026 and after	No	Yes	Notification is created after the date in (Assumption 2) Relevant regardless of whether there is Open WO assigned or not
3	30 June 2026 and before (could even go to the earliest date in QMEL table)	Yes	Yes	If Notification is created on or before the date in (Assumption 2), Notification is only relevant if there is OPEN Work Order assigned
4	30 June 2026 and before (could even go to the earliest date in QMEL table)	No	No	If Notification is created on or before the date in (Assumption 2) and No Open WO assigned, Notification is not relevant

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Historical Notification data related to Asset Performance Management (APM) Failure Curve Analytics (FCA), the data from legacy system includes Notifications with:

1. FL / EQ with APM Relevant Technical Object Type (IFLOT EQART / EQUI EQART) (listed in **OTH\_Technical Object Type\_APM**)
2. Maintenance Plant (QMEL ARBPLWERK) with APM Relevant Plant (listed in **OTH\_Plant\_APM**)
3. Created Date (QMEL ERDAT) is greater than or equal to value defined in **OTH\_Migration Date Relevant Values A2D** — 2 years
4. Catalog Assigned (Object Part (QMFE OTGRP) or Damage Code (QMFE FECOD) or Cause Code (QMUR URCOD) or Activities (QMMA MNCOD))
5. Notification Status: NOCO

The data from legacy system excludes Notifications with:

1. Notification Status: **DLFL** (flagged for Deletion), **ARNB** (Blocked for Archiving)

</End PDM-1591>

Note:

1. Notification will be created as NOCO in S4 if they are NOCO in legacy
2. To create Y2 for Preventive Notification (created from Maintenance Plan), Y1 for Corrective Notification

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

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2, WP2	Relevant open Notification will be extracted from PF2 and WP2	70,000	S/4HANA	70,000
PF2, WP2	Historical Notification data related to Asset Performance Management (APM)	160,000	S/4HANA	160,000

## Additional Information

### Multi-language Requirement

Notification short text does not have multi language support. Notification short text will be migrated using EN logon.

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

### Document Management

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

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

### Legal Requirement

Not Applicable

### Special Requirements

Not Applicable

# Target Design

The technical design of the target for this conversion approach.

## 1.Notification Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
QMEL	QMNUM	QMNUM	Notification Number	CHAR	12	System	System
QMEL	QMART	QMART	Notification Type	CHAR	2	Mandatory	Mandatory
QMEL	QMTXT	QMTXT	Short Text	CHAR	40	Mandatory	Mandatory
QMEL	PRIOK	PRIOK	Priority	CHAR	1	Mandatory	Mandatory
QMEL	QMNAM	QMNAM	Name of Person Reporting Notification	CHAR	12	Mandatory	Mandatory
QMEL	STRMN	STRMN	Required Start Date	DATS	8	Mandatory	Mandatory
QMEL	STRUR	STRUR	Required Start Time	TIMS	6	Mandatory	Mandatory
QMEL	LTRMN	LTRMN	Required End Date	DATS	8	Mandatory	Mandatory
QMEL	LTRUR	LTRUR	Requested End Time	TIMS	6	Mandatory	Mandatory
QMEL	RBNR	RBNR	Catalog Profile	CHAR	9	Mandatory	Mandatory
QMEL	QMGRP	QMGRP	Code Group - Coding	CHAR	8	Mandatory	System
QMEL	QMCOD	QMCOD	Coding	CHAR	4	Mandatory	System
QMEL	ARBPL	LGWID	Object ID of the Work Center	NUMC	8	Mandatory	Mandatory
QMEL	ARBPLWERK	QARBWERKS	Plant for Work Center	CHAR	4	Mandatory	Mandatory
QMIH	IWERK	IWERK	Maintenance Planning Plant	CHAR	4	Mandatory	Mandatory
QMIH	EQUUR	EQUUR	Equipment number	CHAR	18	Conditional	Conditional
IFLOT	TPLNR	TPLNR	Functional Location	CHAR	30	Conditional	Conditional
QMIH	MSAUS	MSAUS	Breakdown Indicator	CHAR	1	Conditional	Not used
QMIH	AUSVN	AUSVN	Start of Malfunction (Date)	DATS	8	Conditional	Not used
QMIH	AUSBS	AUSBS	End of Malfunction (Date)	DATS	8	Conditional	Not used
QMIH	AUZTV	AUZTV	Start of Malfunction (Time)	TIMS	6	Conditional	Not used
QMIH	AUZTB	AUZTB	End of Malfunction (Time)	TIMS	6	Conditional	Not used
QMIH	AUSWK	AUSWK	Effect on Operation	CHAR	1	Mandatory	Mandatory
QMIH	INGRP	INGRP	Planner Group for Customer Service and Plant Maintenance	CHAR	3	Mandatory	Mandatory
QMIH	DETECTIONCODE GROUP	DETECTIONCODE GROUP	Detection Method Group	CHAR	8	Conditional	Conditional
QMIH	DETECTIONCODE	DETECTIONCODE	Detection Method	CHAR	4	Conditional	Conditional

## 2.Notification System Status

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
QMEL	QMNUM	QMNUM	Notification Number	CHAR	12	System	System
JEST	STAT	STAT	Status Number in User Status List	CHAR	5	Mandatory	Mandatory

## 3.Notification Header Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXH	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXH	TDNAME	TDOBNAME	Name	CHAR	70	Mandatory	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXH	TDSRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory

## 4.Notification Header Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXL	TDNAME	TDOBNAME	Name	CHAR	70	Mandatory	Mandatory

STXL	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXL	TDSRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory
STXL	TDFORMAT	TDFORMAT	Tag column	CHAR	1	Mandatory	Mandatory
STXL	ROWCOUNT	ROWCOUNT	Row number	NUMC	10	Mandatory	Mandatory
STXL	TXLINE	TDLINE	Text Line	CHAR	72	Mandatory	Mandatory

### 5.Notification Item

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
QMFE	QMNUM	QMNUM	Notification Number	CHAR	12	Mandatory	Mandatory
QMFE	FEGRP	FEGRP	Code Group - Problem	CHAR	8	Conditional	Conditional
QMFE	FECOD	FECOD	Problem or Damage Code	CHAR	4	Conditional	Conditional
QMFE	OTGRP	OTGRP	Code Group - Object Parts	CHAR	8	Conditional	Conditional
QMFE	OTEIL	OTEIL	Part of Object	CHAR	4	Conditional	Conditional
QMFE	ANZFELER	QANZFEL4	Number of Defects Found	INT4	10	Conditional	Conditional

Note:

1. Each Notification Header can have many Notification Items
2. Only extract the records with the highest FEVER and OTVER values

### 6.Notification Item Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXH	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXH	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXH	TDSRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory

### 7.Notification Item Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXL	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXL	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXL	TDSRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory
STXL	TDFORMAT	TDFORMAT	Tag column	CHAR	1	Mandatory	Mandatory
STXL	ROWCOUNT	ROWCOUNT	Row number	NUMC	10	Mandatory	Mandatory
STXL	TXLINE	TDLINE	Text Line	CHAR	72	Mandatory	Mandatory

### 8. Notification Causes

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
QMUR	QMNUM	QMNUM	Notification Number	CHAR	12	System	System
QMUR	FENUM	FELFD	Item Number in Item Record	NUMC	4	System	System
QMUR	URNUM	URNUM	Sequential Number for Cause	NUMC	4	System	System
QMUR	URTXT	URSTX	Cause Text	CHAR	40	Conditional	Conditional
QMUR	URGRP	URGRP	Code Group - Causes	CHAR	8	Conditional	Conditional
QMUR	URCOD	URCOD	Cause Code	CHAR	4	Conditional	Conditional
QMUR	QURNUM	QURNUM	Sort Number for Cause	NUMC	4	Conditional	Conditional

Note:

1. Only extract the records with the highest URVER values

### 9.Notification Causes Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXH	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXH	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory

STXH	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory
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### 10.Notification Causes Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXL	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXL	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXL	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory
STXL	TDFORMAT	TDFORMAT	Tag column	CHAR	1	Mandatory	Mandatory
STXL	ROWCOUNT	ROWCOUNT	Row number	NUMC	10	Mandatory	Mandatory
STXL	TXLINE	TDLIN	Text Line	CHAR	72	Mandatory	Mandatory

### 11.Notification Activity

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
QMMA	QMNUM	QMNUM	Notification Number	CHAR	12	System	System
QMMA	MANUM	AKNUM	Consecutive Number of Activity	NUMC	4	System	System
QMMA	MNGRP	MFGRP	Code Group - Activities	CHAR	8	Conditional	Conditional
QMMA	MNCOD	MFCOD	Activity Code	CHAR	4	Conditional	Conditional
QMMA	MATXT	MFTEXT	Activity Text	CHAR	40	Conditional	Conditional
QMMA	PSTER	PSTERMA	Start Date	DATS	8	Conditional	Conditional
QMMA	PETER	PETERMA	End Date	DATS	8	Conditional	Conditional
QMMA	INDTX	INDLTX	Object Long Text Available	CHAR	1	Conditional	Conditional
QMMA	PSTUR	PSTURMA	Start Time of Activity	TIMS	6	Conditional	Conditional
QMMA	PETUR	PETURMA	End Time of Activity	TIMS	6	Conditional	Conditional
QMMA	QMANUM	QMANUM	Sort Number for Activity	NUMC	4	Conditional	Conditional

Note:

1. Only extract the records with the highest MNVER values

### 12.Notification Activity Long Text Header

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXH	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXH	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXH	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory

### 13.Notification Activity Long Text Line

Table	Field	Data Element	Field Description	Data Type	Length	Requirement (Notif. Type Y1)	Requirement (Notif. Type Y2)
STXL	TDOBJECT	TDOBJECT	Texts: application object	CHAR	10	Mandatory	Mandatory
STXL	TDNAME	TDOBNAM	Name	CHAR	70	Mandatory	Mandatory
STXL	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory
STXL	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory
STXL	TDFORMAT	TDFORMAT	Tag column	CHAR	1	Mandatory	Mandatory
STXL	ROWCOUNT	ROWCOUNT	Row number	NUMC	10	Mandatory	Mandatory
STXL	TXLINE	TDLIN	Text Line	CHAR	72	Mandatory	Mandatory

## Data Cleansing

ID	Criticality	Error Message /Report Description	Rule	Output	Source System
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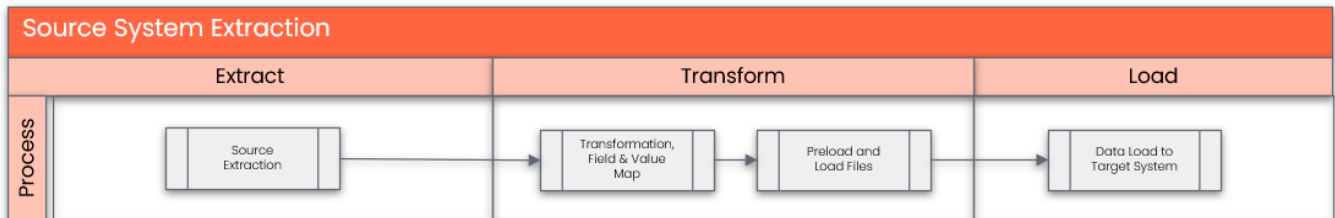
9004-001	C2	<b>Code Group - Coding:</b> Blank Code Group - Coding	Notification as per Relevancy Criteria assigned with blank Catalog Code Groups (QMEL-QMGRP) & Code (QMEL-QMCOD)	Notification Number, Short Text, Plant for Work Centre, Code Group - Coding	PF2, WP2
9004-002	C2	<b>Code Group - Problem:</b> Blank Code Group - Problems/Defects	Notification as per Relevancy Criteria assigned with blank Code Group - Problems/Defects (QMFE-FEGRP) & Problem or Damage Code (QMFE-FECOD)	Notification Number, Short Text, Notification Item Short Text, Plant for Work Centre, Code Group - Problems/Defects, Problem or Damage Code	PF2, WP2
9004-003	C2	<b>Code Group - Object Parts:</b> Blank Code Group - Object Parts	Notification as per Relevancy Criteria assigned with blank Code Group - Object Parts (QMFE-OTGRP) & Part of Object (QMFE-OTEIL)	Notification Number, Short Text, Notification Item Short Text, Plant for Work Centre, Code Group - Object Parts, Part of Object	<del>PF2, WP2</del>
9004-004	C2	<b>Code Group - Coding:</b> Blank Code Group - Causes	Notification as per Relevancy Criteria assigned with blank Code Group - Causes (QMUR-URGRP), Cause Code (QMUR-URCOD)	Notification Number, Item Number in Item Record, Sequential Number for Cause, Cause Text, Plant for Work Centre, Code Group - Causes, Cause Code	PF2, WP2
9004-005	C2	<b>Code Group - Coding:</b> Blank Code Group - Activities	Notification as per Relevancy Criteria assigned with blank Code Group - Activities (QMMA-MFGRP), Activity Code (QMMA-MFCOD)	Notification Number, Consecutive Number of Activity, Short Text for Activity, Plant for Work Centre, Code Group - Activities, Activity Code	PF2, WP2
9004-006	C2	Open Notifications older than 3 months with No Work Order Assigned	Open Notifications older than 3 months with No Work Order Assigned (Status ORAS = Work Order Assigned)  <i>Note: Business to either assign a valid Work Order or close the Notification</i>	Notification Number, Short Text, Plant for Work Centre, Notification Creation Date	PF2, WP2
9004-007	C1	Notifications Generated from Maintenance Plans Without Work Orders	Open Notifications Generated from Maintenance Plans with No Work Order Assigned (Status ORAS = Work Order Assigned)  <i>Note: These Notifications will not be migrated. If these notifications are required for migration, a work order must be created</i>	Notification Number, Short Text, Plant for Work Centre, Notification Creation Date	PF2, WP2
9004-008	C2	Notification with corrupted Work Order (not in PF2/WP2)	Open Notifications assigned to Work Order which are not found in PF2/WP2  <i>Note: Business to either assign a valid Work Order or close the Notification</i>	Notification Number, Short Text, Plant for Work Centre, Notification Creation Date	PF2, WP2
9004-009	C2	Open Notification with CLSD/TECO Work Order	Open Notifications assigned to Work Order with Status CLSD or TECO  <i>Note: Business to close the Notification if the work is completed</i>	Notification Number, Short Text, Plant for Work Centre, Notification Creation Date	PF2, WP2
9004-010	C1	Notification relevant for APM not set to NOCO	Open Notification with no Work Order Assigned matching the criteria below:  <ol style="list-style-type: none"> <li>1. FL / EQ with APM Relevant Technical Object Type (IFLOT-EQART / EQUI-EQART) (listed in <b>OTH_Technical Object Type_APM</b>)</li> <li>2. Maintenance Plant with APM Relevant Plant (listed in <b>OTH_Plant_APM</b>)</li> <li>3. Created Date (QMEL-ERDAT) is greater than or equal to value defined in <b>OTH_Migration_Date Relevant Values A2D</b> - 2 years</li> <li>4. Catalog Assigned (Object Part / Damage Code / Cause Code / Activities)</li> </ol> <i>Note: Business to either assign a valid Work Order or close the Notification</i>	Notification Number, Short Text, Plant for Work Centre, Notification Creation Date	PF2, WP2
9004-011	C2	<b>Planner Group:</b> Blank Planner Group	Notification as per Relevancy Criteria with no Planner Group Assigned or Invalid Planner Group (T0241)	Notification Number, Short Text, Plant for Work Centre, Planner Group	PF2, WP2
9004-012	C2	<b>Short Text</b> contains Thai characters	Notification Short Text with Thai characters and need to be translated to English.  <i>Note: The language key for this report is EN</i>	Notification Number, Short Text, Plant for Work Centre	PF2, WP2

9004-013	C2	<b>Short Text:</b> Blank Short Text	Notification Short Text must not be blank	Notification Number, Short Text, Plant for Work Centre	PF2, WP2
9004-014	C1	<b>Priority:</b> Blank Priority	Notification Priority is blank or not in config (T356) <i>Note: If the Priority is left blank the it will be set to default value</i>	Notification Number, Short Text, Plant for Work Centre, Priority	PF2, WP2
9004-015	C2	<b>Required Start Date:</b> Invalid or blank	Required Start Date must not be blank	Notification Number, Short Text, Plant for Work Centre, Required Start Date	PF2, WP2
9004-016	C2	<b>Required Start Time:</b> Invalid or blank	Required Required Start Time must not be blank	Notification Number, Short Text, Plant for Work Centre, Required Start Time	PF2, WP2
9004-017	C2	<b>Required End Date:</b> Invalid or blank	Required Required End Date must not be blank	Notification Number, Short Text, Plant for Work Centre, Required End Date	PF2, WP2
9004-018	C2	<b>Requested End Time:</b> invalid or blank	Required Requested End Time must not be blank	Notification Number, Short Text, Plant for Work Centre, Requested End Time	PF2, WP2
9004-019	C2	<b>Effect on Operation:</b> Blank Effect on Operation	Effect on Operation must not be blank	Notification Number, Short Text, Plant for Work Centre, Effect on Operation	PF2, WP2
9004-020	C3	Info Report: Catalog codes used by the legacy Notification Header and Item	List of Catalog codes used by the legacy Notification Header and Item	Notification Number, Short Text, Notification Item Short Text, Plant for Work Centre, Catalog Type - Coding, Code Group - Coding, Coding, Catalog Type - Problems/Defects, Code Group - Problem, Problem or Damage Code	PF2, WP2
9004-021	C3	Info Report: Catalog codes used by the legacy Notification Causes	List of Catalog codes used by the legacy Notification Causes	Notification Number, Item Number in Item Record, Sequential Number for Cause, Cause Text, Catalog Type - Problems/Defects, Code Group - Problem, Problem or Damage Code	PF2, WP2
9004-022	C3	Info Report: Catalog codes used by the legacy Notification Activity	List of Catalog codes used by the legacy Notification Activity	Notification Number, Consecutive Number of Activity, Short Text for Activity, Catalog Type - Activity, Code Group - Activity, Activity Code	PF2, WP2

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

## Conversion Process

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



## Data Privacy and Sensitivity

Not Applicable

## Extraction

Extract data from a source into 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 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 to identify the records that are applicable for the Target loads

## Extraction Run Sheet

Req #	Requirement Description	Team Responsible
1	Extract data from source system based on relevancy rule	SyWay Data Team

## Selection Screen

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

## Data Collection Template (DCT)

Not applicable as data will be all extracted from the source systems.

## Extraction Dependencies

Item #	Step Description	Team Responsible
1	Not Applicable	

## Transformation

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

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

## Transformation Run Sheet

Item #	Step Description	Team Responsible
1	In dspMigrate, select the wave – S4/HANA – Plant Maintenance	Syniti
2	Go to Process Area Launch and Process the Object – Notification	Syniti
3	Review and Validate Error and Preload Reports	Syniti
4	Execute the transformation to prepare the target tables	Syniti
5	Validate data from pre-load and error reports	Business/Data owner
6	Generate load files	Syniti

## Transformation Rules

Note: Unless otherwise specified, the transformation rules applies to both Y1 and Y2 Notification Types

### 1.Notification Header Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
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1	-	-	-	-	S/4HANA	QMEL	QMNUM	Notification Number	System (Internal numbering)
2	PF2, WP2	QMEL	QMART	Notification Type	S/4HANA	QMEL	QMART	Notification Type	<ol style="list-style-type: none"> <li>1. If QMIH-WARPL is blank then Default to "Y1".</li> <li>2. If QMIH_WARPL is not blank then Default to "Y2"</li> </ol>
3	PF2, WP2	QMEL	QMTXT	Short Text	S/4HANA	QMEL	QMTXT	Short Text	<ol style="list-style-type: none"> <li>1. If not blank then Direct Mapping.</li> <li>2. If blank then default to Work Order Description (AUFK-KTEXT)</li> </ol>
4	PF2, WP2	QMEL	PRIOK	Priority	S/4HANA	QMEL	PRIOK	Priority	<ol style="list-style-type: none"> <li>1. If not blank, Value Mapping: Priority</li> <li>2. If blank, derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMEL-PRIOK".</li> </ol>
5	PF2, WP2	QMEL	STRMN	Required Start Date	S/4HANA	QMEL	STRMN	Required Start Date	<ol style="list-style-type: none"> <li>1. If not blank, Direct Mapping</li> <li>2. If blank and is: <ol style="list-style-type: none"> <li>a. linked to Work Order then use Work Order value for Required Start Date</li> <li>b. If not linked to Work Order then derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMEL-STRMN".</li> </ol> </li> <li>3. If Required End Date is earlier than Required Start Date, then default both Required End Date and Requested End Time from Work Order.</li> </ol>
6	PF2, WP2	QMEL	STRUR	Required Start Time	S/4HANA	QMEL	STRUR	Required Start Time	<ol style="list-style-type: none"> <li>1. If not blank then Direct Mapping</li> <li>2. If blank and is: <ol style="list-style-type: none"> <li>a. linked to Work Order then use Work Order value for Required Start Date</li> <li>b. If not linked to Work Order then derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMEL-STRUR".</li> </ol> </li> <li>3. If Required End Date and Requested End Time combination is earlier than Required Start Date, then default both Required End Date and Requested End Time from Work Order.</li> </ol>
7	PF2, WP2	QMEL	LTRMN	Required End Date	S/4HANA	QMEL	LTRMN	Required End Date	<ol style="list-style-type: none"> <li>1. If not blank then Direct Mapping</li> <li>2. If blank and is: <ol style="list-style-type: none"> <li>a. linked to Work Order then use Work Order value for Required End Date</li> <li>b. not linked to Work Order then default to Required Start Date</li> </ol> </li> <li>3. If Required End Date is earlier than Required Start Date, then default both Start and End Date from Work Order</li> </ol> <p>Note: Required End Date cannot be earlier than start date</p>
8	PF2, WP2	QMEL	LTRUR	Requested End Time	S/4HANA	QMEL	LTRUR	Requested End Time	<ol style="list-style-type: none"> <li>1. If not blank then Direct Mapping</li> <li>2. If blank and is: <ol style="list-style-type: none"> <li>a. linked to Work Order then use Work Order value for Requested End Time</li> <li>b. not linked to Work Order then default Required Start Time</li> </ol> </li> <li>3. If Required End Date and Requested End Time combination is earlier than Required Start Date, then default both Start and End Date from Work Order</li> </ol> <p>Note: Required End Date and Requested End Time combination cannot be earlier than start date</p>
9	PF2, WP2	QMIH	EQUNR	Equipment Number	S/4HANA	QMEL	EQUNR	Equipment Number	<ol style="list-style-type: none"> <li>1. If not blank, Use Value Mapping: Equipment</li> </ol>
10	PF2, WP2	IFLOT	TPLNR	Functional Location	S/4HANA	QMEL	EQUNR	Equipment Number	<p>Note: Transformation Rule for legacy EQUNR must run before this rule. This rule is for legacy Functional Locations which are converted to Equipment in S4</p> <ol style="list-style-type: none"> <li>1. If S4 EQUNR is blank then Value Mapping: Equipment</li> </ol>

11	PF2, WP2	QMIH	BAUTL	Assembly	S/4HANA	QMEL	EQUNR	Equipment Number	<p><i>Note: Transformation Rule for legacy EQUNR and legacy TPLNR to EQUNR must run before this rule. This rule is for legacy Assemblies which are converted to Equipment in S4</i></p> <ol style="list-style-type: none"> <li>1. If S4 EQUNR is blank then Value Mapping: Equipment</li> <li>2. If blank and the Notification is linked to a Work Order, derive the Equipment from the Work Order, Use Value Mapping: Equipment for the S4 EQUNR</li> </ol>
12	PF2, WP2	IFLOT	TPLNR	Functional Location	S/4HANA	IFLOT	TPLNR	Functional Location Label	<ol style="list-style-type: none"> <li>1. If Equipment is not blank then default to blank.</li> <li>2. If S4 Equipment is blank: <ol style="list-style-type: none"> <li>a. use Value Mapping: Functional Location.</li> <li>b. If blank and the Notification is linked to a Work Order, derive the Functional Location from the Work Order, Use Value Mapping: Functional Location for the S4 Functional Location</li> </ol> </li> </ol>
13	-	-	-	-	S/4HANA	QMEL	RBNR	Catalog Profile	<ol style="list-style-type: none"> <li>1. If Equipment is not blank then, derive the S4 Catalog Profile of the Construction Type assigned to the Equipment</li> <li>2. If Equipment is blank then, derive the S4 Catalog Profile of the Construction Type assigned to the Functional Location</li> </ol> <p><i>Note: This field will not be used during loading. Use this field for Pre Load and Post Load Validation.</i></p>
14	PF2, WP2	QMEL	QMGRP	Code Group - Coding	S/4HANA	QMEL	QMGRP	Code Group - Coding	<ol style="list-style-type: none"> <li>1. Value Mapping: Catalog Code Group and Code</li> <li>2. If blank then derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMEL-QMGRP")</li> </ol>
15	PF2, WP2	QMEL	QMCOD	Coding	S/4HANA	QMEL	QMCOD	Coding	<ol style="list-style-type: none"> <li>1. Value Mapping: Catalog Code Group and Code</li> <li>2. If blank then derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMEL-QMCOD")</li> </ol>
16	-	-	-	-	S/4HANA	QMEL	ARBPL	Object ID of the Work Center	<ol style="list-style-type: none"> <li>1. If EQUNR is not blank then Direct Mapping to S4 EQUI-ARBPL</li> <li>2. If EQUNR is blank then Direct Mapping to S4 IFLOT-ARBPL</li> <li>3. If still blank and the Notification is linked to a Work Order, derive the Work Centre from the Work Order and Value Mapping: Work Centre.</li> </ol>
17	-	-	-	-	S/4HANA	QMEL	ARBPLWERK	Plant for Work Center	<ol style="list-style-type: none"> <li>1. If EQUNR is not blank then Direct Mapping to S4 EQUI-WERK</li> <li>2. If EQUNR is blank then Direct Mapping to S4 IFLOT-WERK</li> </ol>
18	-	-	-	-	S/4HANA	QMIH	IWERK	Maintenance Planning Plant	<ol style="list-style-type: none"> <li>1. If EQUNR is not blank then Direct Mapping to S4 EQUI-IWERK</li> <li>2. If EQUNR is not blank then Direct Mapping to S4 IFLOT-IWERK</li> </ol>
19	PF2, WP2	QMIH	MSAUS	Breakdown Indicator	S/4HANA	QMIH	MSAUS	Breakdown Indicator	<ol style="list-style-type: none"> <li>1. If QMART = "Y1" then Direct Mapping</li> <li>2. If QMART = "Y2" then default to blank</li> </ol>
20	PF2, WP2	QMIH	AUSVN	Malfunc. Start Date	S/4HANA	QMIH	AUSVN	Malfunc. Start Date	<ol style="list-style-type: none"> <li>1. If QMART = "Y1" then Direct Mapping</li> <li>2. If QMART = "Y2" then default to blank</li> </ol>
21	PF2, WP2	QMIH	AUZTV	Malfunc. Start Time	S/4HANA	QMIH	AUZTV	Malfunc. Start Time	<ol style="list-style-type: none"> <li>1. If QMART = "Y1" then Direct Mapping</li> <li>2. If QMART = "Y2" then default to blank</li> </ol>
22	PF2, WP2	QMIH	AUSBS	Malfunc. End Date	S/4HANA	QMIH	AUSBS	Malfunc. End Date	<ol style="list-style-type: none"> <li>1. If QMART = "Y1" then Direct Mapping</li> <li>2. If QMART = "Y2" then default to blank</li> </ol>
23	PF2, WP2	QMIH	AUZTB	Malfunc. End Time	S/4HANA	QMIH	AUZTB	Malfunc. End Time	<ol style="list-style-type: none"> <li>1. If QMART = "Y1" then Direct Mapping</li> <li>2. If QMART = "Y2" then default to blank</li> </ol>

24	PF2, WP2	QMIH	AUSWK	Effect on Operation	S/4HANA	QMIH	AUSWK	Effect on Operation	1. If not blank then Value Mapping: Effect of malfunction on the system 2. If blank then derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMIH-AUSWK")
25	-	-	-	-	S/4HANA	QMIH	INGRP	Planner Group	1. If EQUNR is not blank then derive from S4 EQUZ-INGRP 2. If EQUNR is blank then derive from S4 IFLOT-INGRP 3. If still blank or cannot be mapped, and if linked to Work Order, then Value Mapping: Maintenance Planner Group from Work Order
26	PF2, WP2	QMIH	DETECTIO NCODEGR OUP	Detection Method Group	S/4HANA	QMIH	DETECTI ONCODE GROUP	Detection Method Group	Derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMIH-DETECTIONCODEGROUP")
27	PF2, WP2	QMIH	DETECTIO NCODE	Detection Method	S/4HANA	QMIH	DETECTI ONCODE	Detection Method	Derive the value as per Value Mapping: OTH_Migration_Date Relevant Values A2D (using Object ID "9004" and Field Name = "QMIH-DETECTIONCODE")

Note: For rules that require default value from Parameters, derive the values from Syniti Construct > A2D - Others > Parameters

## 2.Notification System Status Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	QMEL	QMNUM	Notification Number	System (Internal numbering)
2	PF2, WP2	JEST	STAT	Status Number in User Status List	S/4HANA	JEST	STAT	Status Number in User Status List	Direct Mapping

Note: Only where JEST-INACT <> "X" and JEST-ISTAT = 'I0070' or 'I0072'

## 2.Notification Header Long Text Header Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXH	TDOBJECT	Texts: application object	Default to "QMEL"
2	PF2, WP2	QMEL	QMNUM	Notification Number	S/4HANA	STXH	TDNAME	Name	Value Mapping: Notification
3	-	-	-	-	S/4HANA	STXH	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXH	TDSPPRAS	Language Key	S/4HANA	STXH	TDSPPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

## 3.Notification Header Long Text Line Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXL	TDOBJECT	Texts: application object	Default to "QMEL"
2	PF2, WP2	QMEL	QMNUM	Notification Number	S/4HANA	STXL	TDNAME	Name	Value Mapping: Notification
3	-	-	-	-	S/4HANA	STXL	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXL	TDSPPRAS	Language Key	S/4HANA	STXL	TDSPPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS
5	PF2, WP2	STXL	TDFORMAT	Tag column	S/4HANA	STXL	TDFORMAT	Tag column	Direct Mapping
6	PF2, WP2	STXL	ROWCOUN T	Row number	S/4HANA	STXL	ROWCOUN T	Row number	Direct Mapping
7	PF2, WP2	STXL	TXLINE	Text Line	S/4HANA	STXL	TXLINE	Text Line	Direct Mapping

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

## 4.Notification Item Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	QMFE	QMNUM	Notification Number	System (Internal numbering)
2	-	-	-	-	S/4HANA	QMFE	FENUM	Item Number in Item Record	System (Internal numbering)
3	PF2, WP2	QMFE	FETXT	Notification Item Short Text	S/4HANA	QMFE	FETXT	Notification Item Short Text	Direct Mapping
4	PF2, WP2	QMFE	FEGRP	Damage – Code Group	S/4HANA	QMFE	FEGRP	Damage – Code Group	Value Mapping: Catalog Code Group and Code
5	PF2, WP2	QMFE	FECOD	Problem or Damage Code	S/4HANA	QMFE	FECOD	Problem or Damage Code	Value Mapping: Catalog Code Group and Code
6	PF2, WP2	QMFE	OTGRP	Code Group - Object Parts	S/4HANA	QMFE	OTGRP	Code Group - Object Parts	Value Mapping: Catalog Code Group and Code
7	PF2, WP2	QMFE	OTEIL	Part of Object	S/4HANA	QMFE	OTEIL	Part of Object	Value Mapping: Catalog Code Group and Code
8	PF2, WP2	QMFE	ANZFEHLER	Number of Defects Found	S/4HANA	QMFE	ANZFEHLER	Number of Defects Found	Direct Mapping

Note: Each Notification Header can have many Notification Items

#### 5. Notification Item Long Text Header Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXH	TDOBJECT	Texts: application object	Default to "QMFE"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number + New Item Number in Item Record
3	-	-	-	-	S/4HANA	STXH	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXH	TDSPRAS	Language Key	S/4HANA	STXH	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

#### 6. Notification Item Long Text Line Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXL	TDOBJECT	Texts: application object	Default to "QMFE"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number + New Item Number in Item Record
3	-	-	-	-	S/4HANA	STXL	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXL	TDSPRAS	Language Key	S/4HANA	STXL	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS
5	PF2, WP2	STXL	TDFORMAT	Tag column	S/4HANA	STXL	TDFORMAT	Tag column	Direct Mapping
6	PF2, WP2	STXL	ROWCOUNT	Row number	S/4HANA	STXL	ROWCOUNT	Row number	Direct Mapping
7	PF2, WP2	STXL	TXLINE	Text Line	S/4HANA	STXL	TXLINE	Text Line	Direct Mapping

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

#### 7. Notification Causes Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4 HANA	QMUR	QMNUM	Notification Number	System (Internal numbering)
2	-	-	-	-	S/4HANA	QMUR	FENUM	Item Number in Item Record	System (Internal numbering)
3	-	-	-	-	S/4HANA	QMUR	URNUM	Sequential Number for Cause	System (Internal numbering)
4	PF2, WP2	QMUR	URTXT	Cause Text	S/4HANA	QMUR	URTXT	Cause Text	Direct Mapping
5	PF2, WP2	QMUR	URGRP	Code Group - Causes	S/4HANA	QMUR	URGRP	Code Group - Causes	Value Mapping: Catalog Code Group and Code
6	PF2, WP2	QMUR	URCOD	Cause Code	S/4HANA	QMUR	URCOD	Cause Code	Value Mapping: Catalog Code Group and Code

7	PF2, WP2	QMUR	QURNUM	Sort Number for Cause	S/4HANA	QMUR	QURNUM	Sort Number for Cause	Direct Mapping
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### 8.Notification Causes Long Text Header Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXH	TDOBJECT	Texts: application object	Default to "QMUR"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number + New Item Number in Item Record + New Sequential Number for Cause
3	-	-	-	-	S/4HANA	STXH	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXH	TDSPRAS	Language Key	S/4HANA	STXH	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

### 9.Notification Causes Long Text Line Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXL	TDOBJECT	Texts: application object	Default to "QMUR"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number + New Item Number in Item Record + New Sequential Number for Cause
3	-	-	-	-	S/4HANA	STXL	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXL	TDSPRAS	Language Key	S/4HANA	STXL	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS
5	PF2, WP2	STXL	TDFORMAT	Tag column	S/4HANA	STXL	TDFORMAT	Tag column	Direct Mapping
6	PF2, WP2	STXL	ROWCOUNT	Row number	S/4HANA	STXL	ROWCOUNT	Row number	Direct Mapping
7	PF2, WP2	STXL	TXLINE	Text Line	S/4HANA	STXL	TXLINE	Text Line	Direct Mapping

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

### 10.Notification Activity Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	QMMA	QMNUM	Notification Number	System (Internal numbering)
2	-	-	-	-	S/4HANA	QMMA	MANUM	Consecutive Number of Activity	System (Internal numbering)
3	PF2, WP2	QMMA	URNUM	Sequential Number for Cause	S/4HANA	QMMA	URNUM	Sequential Number for Cause	Direct Mapping
4	PF2, WP2	QMMA	MNGRP	Code Group - Activities	S/4HANA	QMMA	MNGRP	Code Group - Activities	Direct Mapping
5	PF2, WP2	QMMA	MNCOD	Activity Code	S/4HANA	QMMA	MNCOD	Activity Code	Direct Mapping
6	PF2, WP2	QMMA	MATXT	Activity Text	S/4HANA	QMMA	MATXT	Activity Text	Direct Mapping
7	PF2, WP2	QMMA	PSTER	Start Date	S/4HANA	QMMA	PSTER	Start Date	Direct Mapping
8	PF2, WP2	QMMA	PETER	End Date	S/4HANA	QMMA	PETER	End Date	Direct Mapping
9	PF2, WP2	QMMA	PSTUR	Start Time of Activity	S/4HANA	QMMA	PSTUR	Start Time of Activity	Direct Mapping
10	PF2, WP2	QMMA	PETUR	End Time of Activity	S/4HANA	QMMA	PETUR	End Time of Activity	Direct Mapping
11	PF2, WP2	QMMA	QMANUM	Sort Number for Activity	S/4HANA	QMMA	QMANUM	Sort Number for Activity	Direct Mapping

### 11.Notification Activity Long Text Header Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXH	TDOBJECT	Texts: application object	Default to "QMMA"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number + New Consecutive Number of Activity
3	-	-	-	-	S/4HANA	STXH	TDID	Text ID	Default to 'LTXT'

4	PF2, WP2	STXH	TDSPRAS	Language Key	S/4HANA	STXH	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS
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Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

## 12.Notification Activity Long Text Line Transformation Rule

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	-	-	-	-	S/4HANA	STXL	TDOBJECT	Texts: application object	Default to "QMMA"
2	-	-	-	-	S/4HANA	STXL	TDNAME	Name	New Notification Number +New Consecutive Number of Activity
3	-	-	-	-	S/4HANA	STXL	TDID	Text ID	Default to 'LTXT'
4	PF2, WP2	STXL	TDSPRAS	Language Key	S/4HANA	STXL	TDSPRAS	Language Key	Derive Language Key (T001W-SPRAS) from Table T001W where S4 ARBPLWERK (Plant for Work Center) = T001W-WERKS
5	PF2, WP2	STXL	TDFORMAT	Tag column	S/4HANA	STXL	TDFORMAT	Tag column	Direct Mapping
6	PF2, WP2	STXL	ROWCOUNT	Row number	S/4HANA	STXL	ROWCOUNT	Row number	Direct Mapping
7	PF2, WP2	STXL	TXLINE	Text Line	S/4HANA	STXL	TXLINE	Text Line	Direct Mapping

Note: Priority of Long Text to be given first to the Plant's default language followed by other language sorted by the language key.

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

## Transformation Mapping

Mapping Table Name	Mapping Table Description
Notification	Old to new Notification
Notification Item	Old to new Notification Item
Notification Causes	Old to new Notification Causes
Notification Activity	Old to new Notification Activity
Work Order	Old to new Old to new Work Order
Maintenance Planner Group	Old to new Maintenance Planner Group
Work Centre A2D	Old to new Work Centre
Plant	Old to new Plant
Equipment	Old to new Equipment
Functional Location	Old to new Functional Location
Priority	Old to new Priority
Priority Type	Old to new Priority Type
Catalog Code Group and Code	Old to new Catalog Code Group and Code
Catalog Profile	Old to new Catalog Profile
Effect of malfunction on the system	Old to new Effect of malfunction on the system
OTH_Migration_Date Relevant Values A2D	Default values table

## Transformation Dependencies

List the steps that need to occur before transformation can commence

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

# Pre-Load Validation

## Project Team

### Completeness

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

### Accuracy

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

## Business

### Completeness

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

### Accuracy

Task	Action
Conversion Accuracy	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. After load is complete, additional process is required to update the system status to **Notification in process** (</Start CR0438> ~~TJ02T-TXT04~~ ~~=NOPR-JEST-STAT = NOPR~~ </End CR0438>)
3. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Additional process for all **Historical Notification data related to Asset Performance Management (APM)**:

1. once load is complete, additional process is required to close the Notification (</Start CR0438> ~~TJ02T-TXT04~~ ~~=NOCO-JEST-STAT = NOCO~~ </End CR0438>)

## 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-Plant
2	T024I-Maintenance Planner groups
3	T356-Priority
4	T356A-Priority type
5	T357A-Effect of malfunction on the system
6	T399I-Planning Plant
7	TQ15-Inspection catalog type index
8	TQ80-Notification Type

### Conversion Objects

Object #	Preceding Object Conversion Approach
1002	Equipment
1003	Functional Location
1006	Work Centre
1007	Catalog Code Groups & Codes
1008	Catalog Profile

### Error Handling

Error Type	Error Description	Action Taken
Invalid Data	Invalid Equipment	Expedite whether the master data is changed in the system

Invalid Data	Invalid Functional Location	Expedite whether the master data is changed in the system
Invalid Data	Invalid Work Centre	Expedite whether the master data is changed in the system
Invalid Data	Invalid Catalog Code Groups & Codes	Expedite whether the master data is changed in the system
Invalid Data	Invalid Catalog Profile	Expedite whether the master data is changed in the system
Configuration	Invalid Plant	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Maintenance Planner groups	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 Priority type	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Effect of malfunction on the system	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 Inspection catalog type index	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

## 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	SyWay A2D Data Team to verify that the Notification 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 Notification data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

# Key Assumptions

- Notification 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
- For legacy Notifications generated by maintenance plans, legacy links to plans will not be maintained
- No data enrichment is needed
- All mandatory fields will need to be cleansed at source, and if not cleansed, the value will be defaulted
- Work Order field will be updated automatically when loading Work Order data
- Based on discussion with the business - the User Status in legacy will not be migrated over to S4
- Work Order assigned to the NOCO Notification is not in scope for migration
- All Long Text will be migrated and defaulted to the language key of the plant
- Notification Tasks is not in scope and only used for credit memos in S4 and not aligned with the functionality in legacy PF2/WP2 (as advised by functional on 4 Feb 2026)

## See also

## Change log

Version	Published	Changed By	Comment
<b>CURRENT (v. 451)</b>	<b>Apr 24, 2026 12:25</b>	<b>PUN-ext, Eddy</b>	
v. 450	Apr 20, 2026 08:57	<b>ERGUIZA-ext, Pinky Love</b>	
v. 449	Apr 20, 2026 08:25	<b>ERGUIZA-ext, Pinky Love</b>	
v. 448	Apr 17, 2026 04:28	<b>ERGUIZA-ext, Pinky Love</b>	
v. 447	Apr 06, 2026 15:46	<b>PUN-ext, Eddy</b>	
v. 446	Apr 02, 2026 13:44	<b>ERGUIZA-ext, Pinky Love</b>	
v. 445	Feb 10, 2026 06:54	<b>TEE-ext, Paul</b>	
v. 444	Feb 10, 2026 06:52	<b>TEE-ext, Paul</b>	
v. 443	Feb 09, 2026 15:23	<b>TEE-ext, Paul</b>	
v. 442	Feb 09, 2026 15:20	<b>TEE-ext, Paul</b>	

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## Workflow history

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