

CNV-1041 QM Inspection Plan

Status	Approved
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Purpose

The purpose of this document is to define the conversion approach to create 1041 Inspection Plan Conversion Specification Document in S/4 HANA.

Inspection Plans are a core component of SAP Quality Management (QM) that define how materials are inspected, including inspection characteristics, sampling procedures, and inspection methods. An inspection plan contains detailed steps for quality checks and ensures that inspections are carried out in a standardized, repeatable, and compliant manner for specific materials, plants, and usage scenarios.

In SAP S/4HANA, the structure and usage of inspection plans remain largely consistent with SAP ECC, typically organized by key combinations such as material/plant, material group/plant, or multiple materials assigned to the same inspection plan via task lists. Inspection plans may also be linked to specific usage types (e.g., goods receipt, in-process inspection, final inspection) and can be maintained with reference to alternative groupings for flexibility.

In SAP ECC, aside from the standard structures, there may be inspection plans with additional variants such as multiple alternative plans for the same material/plant combination, inspection plans assigned to multiple task list groups, or plans that use reference materials. In some legacy systems, plans may also include non-standard fields or custom enhancements (pending MDS review) that will require evaluation before conversion.

This conversion aims to migrate active and relevant inspection plan master data, including associated operations, inspection characteristics, sampling procedures, and inspection methods, from existing ECC systems into S/4HANA. The migration will apply required transformation logic using Syniti as the data migration and transformation platform. The converted records will be loaded into the target S/4HANA system using standard SAP mechanisms such as BAPIs (e.g., BAPI_INSPECTIONPLAN_CREATE), IDOCs, or direct table loads where applicable, ensuring data consistency and compliance with S/4HANA requirements.

This Conversion Specification does **not include the WPX system (CUI Objects)**.

Conversion Scope

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

From the current system landscape, Inspection Plan data exists separately in the legacy systems (PF2 and WP2), with potential discrepancies in both systems. Harmonization and validation are required to ensure accurate and consolidated data in S/4HANA. While PF2 and WP2 serve as source systems, extensive mapping and transformation logic will be necessary to produce properly formatted load templates in line with the target design.

The data from legacy system includes:

1. Active Inspection Plans (PLKO) that are in "Released" status (STATU = 4), PLNTY = 'Q' and used in production, quality, or procurement processes within the last three (4) years.
2. Inspection Plans without deletion flag (PLKO-LOEKZ not set).
3. Plant-specific Inspection Plans that will be migrated according to the To-Be Plant Mapping (considering new plant definitions).
4. Inspection Plans assigned to valid materials via MAPL, where the material exists in the Material Master (MARA/MARC) and is in scope for migration.
5. Inspection Plans with valid Group and Group Counter (PLKO-PLNNR, PLKO-PLNAL)
6. Inspection Plans containing valid operations (PLPO) that reference existing and active work centers (CRHD).
7. Inspection Plan characteristics (PLMK) that:
 - Reference valid Master Inspection Characteristics (QPMK)
 - Reference valid Sampling Procedures (QDSV)
 - Reference valid Inspection Methods (QMTB)
8. Inspection Plans with valid validity dates (PLKO-DATUV)

The data from legacy system excludes:

1. Inactive Inspection Plans that have not been used in inspection lots for more than three (4) years
2. Inspection Plans marked for deletion (PLKO-LOEKZ = X)
3. Inspection Plans belonging to deleted or out-of-scope plants (as per To-Be Plant Mapping)
4. Inspection Plans with invalid or inconsistent references, such as:
 - Characteristics linked to deleted/inactive MICs
 - Sampling Procedures or Inspection Methods that do not exist in S/4HANA
 - Work Centers flagged for deletion or not migrated
5. Inspection Plans with invalid validity dates (Valid-From date into the future PLKO-DATUV).

Relevancy rule

Use the below rules for relevancy criteria.

1. Inspection Plans assigned to valid materials via MAPL, where the material exists in the Material Master (MARA/MARC) and is in scope for migration.
2. Active Inspection Plans (PLKO) that are in "Released" status (STATU = 4), PLNTY = 'Q' and used in production, quality, or procurement processes within the last three (4) years.

QALS-ENSTEHDAT >= (CURRENT DATE - 4 Years) AND QALS-PLNNR = PLKO-PLNNR AND QALS-PLNAL = PLKO-PLNAL AND PLKO-PLNTY = 'Q' AND

PLKO-STATU = '4' & PLKO-LOEKZ = Blank & PLPO-LOEKZ = Blank and PLKO-DATUV > CURRENT DATE

3. Inspection Plans containing valid operations (PLPO) that reference existing and active work centers (CRHD).
4. Inspection Plan characteristics (PLMK) that

- Reference valid Master Inspection Characteristics (QPMK)
- Reference valid Sampling Procedures (QDSV)
- Reference valid Inspection Methods (QMTB)

Plant Merging

Plants will be harmonized based on the To-Be Plant Mapping. As some legacy plants will be merged into one target plant, Inspection Plans will be reassigned accordingly. Plant transformation will be managed through a mapping table maintained in Syniti to ensure consistent alignment with the To-Be Plant structure.

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	Inspection Plan will be extracted from PF2 and WP2	PF2 = 8129 records WP2 = 37451 records	S/4 HANA	13209 records

Additional Information

Multi-language Requirement

Inspection Plan description will be maintained in English by default.

Since multi-language support is available for Inspection Plan, users logging in with a different language will see the description displayed in their logon language, provided that the corresponding language key has been maintained in the on Inspection Plan.

Document Management

None identified. The conversion scope is limited to the migration of Inspection Plan object. No document attachments, images, or supporting files are included.

Legal Requirement

Not applicable

Special Requirements

Not applicable

Target Design

Inspection Plan strictly adheres to the Master Data Standard. The complete information of the tables and key fields that hold the Inspection Plan information follows the Master Data Standard document.

The technical design of the target for this conversion approach

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
PLKO	PLNTY	PLNTY	Key which classifies task lists according to their functionality. In the QM context this value is defaulted to "Q"	CHAR	1	R
PLKO	PLNNR	PLNNR	Key that uniquely identifies an Inspection Plan Group.	CHAR	8	S
PLKO	PLNAL	PLNAL	Key that identifies an Inspection Plan within a Task List Group.	CHAR	2	R
PLKO	ZAEHL	CIM_COUNTER	Internal Counter to link the tables to ensure the data consistency	NUMC	8	S
PLKO	DATUV	DATUV	Date from which the an Inspection Plan object is valid.	DATS	8	R
PLKO	VALID_TO	DATUB	End of the validity period of the Inspection Plan object.	DATS	8	R
PLKO	AENNR	AENNR	Key for the change master record or engineering change order that the chosen change status of the Inspection Plan object was created with. Can be used for Customer Spec Updates	CHAR	12	NU
PLKO	VERWE	PLN_VE_RWE	Key indicating what the Inspection Plan is used for, such as Inspection for GR, Recurring Inspection, Goods Issue.	CHAR	3	R
PLKO	WERKS	WERKS_D	Plant of the material to be inspected.	CHAR	4	R
PLKO	STATU	PLNST	Status key to indicate the processing status of an Inspection Plan. For example, indicate whether the recipe is still in the creation phase or has already been released.	CHAR	3	R
PLKO	PLNME	PLNME	Unit of measure of the charge quantity	UNIT	3	R
PLKO	LOSVN	LOSGR_VON	Lower limit of the charge quantity range for which the recipe is valid.	QUAN	13	NU
PLKO	LOSBS	LOSGR_BIS	Upper limit of the charge quantity range for which the recipe is valid.	QUAN	13	NU
PLKO	VAGRP	VAGRP	Key of the planner group responsible for maintaining the Inspection Plan.	CHAR	3	C
PLKO	KTEXT	PLANTEXT	Describes the Inspection Plan	CHAR	40	R
PLKO	TXTSP	SPRAS	Language key	LANG	1	S
PLKO	LOEKZ	LKENZ	Indicator set if the Inspection Plan to be completely deleted at the next reorganization run, with all its change states.	CHAR	1	S
PLKO	QKZRASTER	QKZRASTER	Identifier for Inspection Point Field Combination Inspection points are used as reference objects for recording inspection results below operation level. If a value is entered for the inspection point, this value is copied to the inspection lots.	CHAR	1	C
PLKO	QPRZIEHVER	QPRZIEHVER	A master data object in QM sample management that contains instructions for a sample drawing.	CHAR	8	C
PLKO	QDYNREGEL	QDYNREGEL	Contains the definition of inspection stages and the conditions that lead to changes in inspection stages.	CHAR	3	C
PLKO	QDYNHEAD	QDYNHEAD	Identifies the level at which the decision for inspection stages is made and the quality level maintained.	CHAR	1	NU

M A P L	MATNR	MATNR	Material Number for witch the recipe is created	CHAR	40	R
M A P L	WERKS	WERKS _D	Plant	CHAR	4	R
M A P L	PLNTY	PLNTY	Key which classifies task lists according to their functionality. In the QM context this value is defaulted to "Q"	CHAR	1	R
M A P L	PLNNR	PLNNR	Key that uniquely identifies an Inspection Plan Group.	CHAR	8	S
M A P L	PLNAL	PLNAL	This key and the task list group uniquely identify a task list.	CHAR	2	S
M A P L	ZKRIZ	DZKRIZ	Internal Counter to link the tables to ensure the data consistency	NUMC	7	S
M A P L	ZAEHL	CIM_CO UNT	Internal Counter to link the tables to ensure the data consistency	NUMC	8	S
M A P L	LIFNR	ELIFN	Supplier	CHAR	10	C
M A P L	KUNR	CPKUNR	Customer	CHAR	10	C
P L P O	PLNTY	PLNTY	Key which classifies task lists according to their functionality. In the QM context this value is defaulted to "Q"	CHAR	1	R
P L P O	PLNNR	PLNNR	Key that uniquely identifies an Inspection Plan Group.	CHAR	8	S
P L P O	PLNAL	PLNAL	Key that identifies an Inspection Plan within a Task List Group.	CHAR	2	R
P L P O	ZAEHL	CIM_CO UNT	Internal Counter to link the tables to ensure the data consistency	NUMC	8	S
P L P O	VORNR	VORNR	Determines in which order the operations of a sequence are carried out.	CHAR	4	R
P L P O	ARBID	OBJEKT ID	Workcenter used to perform the QM activity	NUMC	8	R
P L P O	STEUS	STEUS	Determines which business transactions should be executed for the object that belongs to the task list or order (for example scheduling or costing).	CHAR	4	R
P L P O	LTXA1	LTXA1	Operation Short Text	CHAR	40	C
P L P O	BMSCH	BMSCH	Quantity of the material to be inspected to which the standard values of the operation refer.	QUAN	13	R
P L P O	MEINH	VORME	Unit of measure used in the operation for the material to be inspected.	UNIT	3	R
P L P O	WERKS	WERKS _D	Plant	CHAR	4	R
P L P O	LAR01	LSTAR	Activity Type	CHAR	6	NU
P L P O	VGE01	VGWRT EH	Unit of Measurement of Standard Value	UNIT	3	NU

P L P O	VGW01	VGWRT		QUAN	9	NU
P L M K	PLNTY	PLNTY	Key which classifies task lists according to their functionality. In the QM context this value is defaulted to "Q"	CHAR	1	R
P L M K	PLNNR	PLNNR	Key that uniquely identifies an Inspection Plan Group.	CHAR	8	S
P L M K	PLNKN	PLNKN	The Node field represents the unique identifier of a task list node, which links an operation in a task list to specific inspection characteristics	NUMC	8	S
P L M K	MERKNR	QMERK NRP	The number that explicitly identifies an inspection characteristic within an operation in an inspection plan.	NUMC	4	R
P L M K	VERW MERKM	QMERK NR	Master Inspection Characteristics	CHAR	8	R
P L M K	KZEINS TELL	QKZEIN STMK	Characteristic Type: Quantitative or Qualitative	CHAR	1	S
P L M K	ZAEHL	CIM_CO UNT	Internal Counter to link the tables to ensure the data consistency	NUMC	8	S
P L M K	QPMK_ ZAEHL	QZAEH LER	Plant	CHAR	4	R
P L M K	MKVER SION	QVERS NRMK	Version Number of Master Inspection Characteristic	CHAR	6	S
P L M K	KURZT EXT	QTXT_ CHA	Text of up to 40 characters that describes the object in more detail. This description is also known as short text.	CHAR	40	C
P L M K	PMETH ODE	QPMET HODE	An inspection method describes how to inspect an inspection characteristic. You can assign an inspection method to a master inspection characteristic or directly to an inspection characteristic in an inspection plan.	CHAR	8	C
P L M K	QMTB_ WERKS	Q_MET H_PLANT	Plant for Inspection Method	CHAR	4	S
P L M K	PMTVE RSION	QVERS NRPM	Version Number of Inspection Method	CHAR	6	S
P L M K	STICHP RVER	QSTICH VERF	Procedure by which the sample size for an inspection is determined. In the sampling procedure, the valuation mode is also defined for the inspection result.	CHAR	8	R
P L M K	MASSE INHSW	QMASS EH	Measurement Unit in Which Quantitative Data Is Maintained Specifies the unit of measurement for the proposed values of a quantitative inspection characteristic (for example, target value, specification limits). You have 6 digits to specify the unit of measurement.	UNIT	3	S
P L M K	SOLLW ERT	QSOLL WERTE	Target Value for a Quantitative Characteristic Value of a quantitative characteristic, from which the actual value of the inspection characteristic should deviate as little as possible.	FLTP	16	R
P L M K	TOLER ANZUN	QTOLUN	Lower Specification Limit Lower limiting value for the actual value of an inspection characteristic.	FLTP	16	R
P L M K	TOLER ANZOB	QTOLOB	Upper Specification Limit Upper limit value for the actual value of an inspection characteristic.	FLTP	16	R
P L M K	AUSW MENGE1	QCGRA USW	If the characteristic is qualitative with a characteristic attribute you can enter a selected set in this field.	CHAR	8	R
P L M K	AUSW MGWR K1	QWERK AUSW	Plant of assigned selected set	CHAR	4	S
P L M K	DUMM Y10	QTXT10	Text Line for Additional Information_1	CHAR	10	NU

P L MK	DUMMY20	QTX20	Text Line for Additional Information_2	CHAR	20	NU
P L MK	DUMMY40	QTX40	Text Line for Additional Information_3	CHAR	40	NU
P L MK	GRENZ EOB1	QGREN ZOB1	Upper limit value of a user-specified limit, for example, a warning limit. The system does not use the contents of this field. This field provides a place to store a user-specified limit value that is relevant	FLTP	16	NU
P L MK	GRENZ OB1NI	QNINITI AL	Value Not Initial If Set	CHAR	1	NU
P L MK	GRENZ EUN1	QGREN ZUN1	Lower limiting value of a user-specified limit, for example, a warning limit The system does not use the contents of this field. This field provides a place to store a user-specified limit value that is relevant for a quantitative characteristic.	FLTP	16	NU
P L MK	GRENZ UN1NI	QNINITI AL	Value Not Initial If Set	CHAR	1	NU
P L MK	GRENZ EOB2	QGREN ZOB2	Upper limit value of a user-specified limit, for example, a warning limit. The system does not use the contents of this field. This field provides a place to store a user-specified limit value that is relevant	FLTP	16	NU
P L MK	GRENZ OB2NI	QNINITI AL	Value Not Initial If Set	CHAR	1	NU
P L MK	GRENZ EUN2	QGREN ZUN2	Lower limiting value of a user-specified limit, for example, a warning limit The system does not use the contents of this field. This field provides a place to store a user-specified limit value that is relevant for a quantitative characteristic.	FLTP	16	NU
P L MK	GRENZ UN2NI	QNINITI AL	Value Not Initial If Set	CHAR	1	NU
P L MK	PLAUSI OBEN	QPLAU SI OB	Maximum plausible value of a plausibility limit.It protects against the recording and processing of invalid or improbable values	FLTP	16	C
P L MK	PLAUSI OBNI	QNINITI AL	Value Not Initial If Set	CHAR	1	S
P L MK	PLAUSI UNTE	QPLAU SI UN	Minimum plausible value of a plausibility limit.This field is used only for results recording of quantitative characteristics. It protects against the recording and processing of invalid or improbable values.	FLTP	16	C
P L MK	PLAUSI UNNI	QNINITI AL	Value Not Initial If Set	CHAR	1	S
P L MK	TOLER WEIOB	QTOLW OB	Amount by which the specification limit is temporarily increased or decreased.	FLTP	16	NU
P L MK	TOLWO BNI	QNINITI AL	Value Not Initial If Set	CHAR	1	S
P L MK	TOLER WEIUN	QTOLW UN	Amount by which the specification limit is temporarily increased or decreased.	FLTP	16	NU
P L MK	TOLWU NNI	QNINITI AL	Value Not Initial If Set	CHAR	1	S
P L MK	TOLER WAB	QTOLW AB	Date from Which the Tolerance Change Is Valid	DATS	8	C
P L MK	TOLER WBIS	QTOLW BIS	Date Until Which the Tolerance Change Is Valid	DATS	8	C

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
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1004 1-001	C1	Invalid or inactive Work Center linked to Operation	Operation (PLPO) assigned to a Work Center (CRHD) that does not exist or is flagged for deletion.	Work Center	PF2 /WP2
1041- 002	C1	Invalid Usage assignment	Inspection plan header (PLKO-VERWE) has an invalid or non-configured Task List Usage.	Usage	PF2 /WP2
1041- 003	C1	Missing or invalid Group Counter	Inspection plan (PLKO-PLNAL) is blank, duplicated, or inconsistent with group.	Plan Counter	PF2 /WP2
1041- 004	C1	Invalid Validity Date	Valid-From date (PLKO-DATUV) is in the future or overlaps inconsistently with other plans for same material/usage.	Inspection Plan Header	PF2 /WP2
1041- 005	C1	Duplicate Inspection Characteristics	Inspection plan contains duplicate operation/characteristic entries (same VORNR + MERKNR).	Inspection Plan Operations /Characteristics	PF2 /WP2
1041- 006	C1	Missing Sampling Procedure	Plan characteristic (PLMK-STICHPRVER) references a Sampling Procedure (QDSV) that does not exist or is obsolete.	Sampling Procedure	PF2 /WP2

Conversion Process

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

The ETL (Extract, Transform, Load) process is a structured approach to data migration and management, ensuring high-quality data is seamlessly transferred across systems. Here's a breakdown of its key components:

1. Extraction

The process begins with extracting metadata and raw data from source systems, such as Syensqo ECC system (i.e. WP2/PF2) periodically. The extracted data is then staged for transformation.

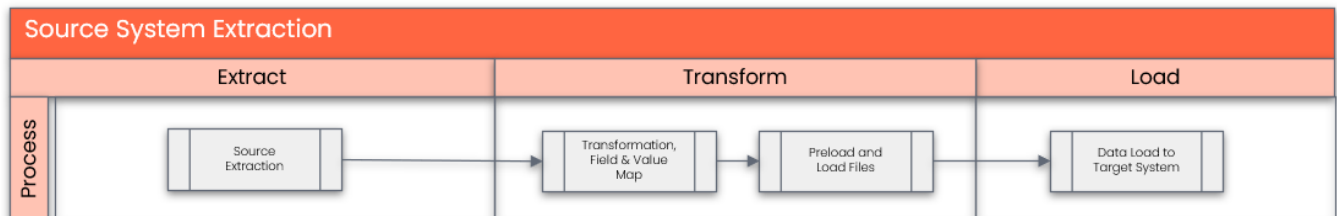
2. Transformation

Once extracted, the data undergoes cleansing, consolidation, and governance. This step ensures data integrity, consistency, and compliance with business rules. The transformation process includes:

- Data validation to remove inconsistencies.
- Standardization to align formats across datasets.
- Business rule application to refine data for operational use.

3. Loading

The transformed data is then loaded into the target S/4HANA system.



Data Privacy and Sensitivity

Not applicable

Extraction

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

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

The agreed relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target Loads

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
Extraction Scope Definition	<ul style="list-style-type: none"> - Identify the source systems and databases involved. - Define the data objects (tables, fields, records) to be extracted. - Establish business rules for data selection. 	Syniti /P2F Data team
Extraction Methodology	<ul style="list-style-type: none"> - Specify the extraction approach (full, incremental, or delta extraction). - Determine the tools and technologies used. - Define data filtering criteria to exclude irrelevant records. 	Syniti
Extraction Execution Plan	<ul style="list-style-type: none"> - Establish execution timelines and batch processing schedules. - Assign responsibilities for extraction monitoring. - Document dependencies on other migration tasks. 	Syniti
Data Quality and Validation	<ul style="list-style-type: none"> - Define error handling mechanisms for extraction failures. 	Syniti

Selection Screen

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

Data Collection Template (DCT)

The Data Collection Template (DCT) will not be applicable in this case. If there is a need to create a new Master Data (MD) for Inspection Plan object, the business must perform this activity in the source system. The newly created object will then be captured and migrated as part of the standard migration process.

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Source System Availability <ul style="list-style-type: none"> • Ensure that the source database or application is accessible. • Confirm that necessary credentials and permissions are granted 	Syensqo IT
2	Data Structure <ul style="list-style-type: none"> • Identify relationships between tables, views, and stored procedures. 	Syniti
3	Referential Integrity <ul style="list-style-type: none"> • Ensure dependent records are extracted together. 	Syniti
4	Extraction Methodology <ul style="list-style-type: none"> • Define whether extraction is full, incremental, or delta-based. • Establish batch processing schedules for large datasets. 	Syniti
5	Performance and Scalability Considerations <ul style="list-style-type: none"> • Optimize extraction queries to prevent system overload. • Ensure network bandwidth supports data transfer volumes. 	Syniti

6	Security and Compliance <ul style="list-style-type: none"> Adhere to regulatory standards for sensitive information if applicable 	Syniti
7	Data cleansing of legacy Material Master - QM View with assigned inspection type data must be completed. If standardization within the DCT begins using relevant data from PF2 and WP2 before the cleansing is finalized, it is understood that the business will take due diligence to ensure any subsequent delta cleansing is verified and aligned within the DCT.	Business

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:

- 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
- 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	Transformation Scope Definition - Identify the source and target data structures. - Define business rules for data standardization. - Establish data cleansing requirements to remove inconsistencies.	Data Team
2	Data Mapping and Standardization - Align source fields with target fields. - Ensure unit consistency (e.g., currency, measurement units)	Data Team
3	Business Rule Application - Implement data enrichment/collection if applicable - Apply conditional transformations based on predefined logic/business rules	Data Team
4	Transformation Execution Plan - Define batch processing schedules. - Assign responsibilities for monitoring execution. - Establish error-handling mechanisms	Syniti

Transformation Rules

R ul e #	Sour ce Syst em	Sou rce Tab le	Sour ce Field	Source Description	Targ et Syst em	Targ et Tab le	Targ et Field	Target Description	Transformation Logic
1	PF2 /WP2	PLKO	PLNTY	Task List Type(Q = Inspection Plant)	S/4 HANA	PL KO	PLNTY	Task List Type(Q = Inspection Plant)	R.Default to "Q"
2	PF2 /WP2	PLKO	PLNNR	Key for Task List Group	S/4 HANA	PL KO	PLNNR	Key for Task List Group	S.Internal
3	PF2 /WP2	PLKO	PLNAL	Group Counter (Alternative)	S/4 HANA	PL KO	PLNAL	Group Counter (Alternative)	R.Internal
4	PF2 /WP2	PLKO	ZAEHL	Counter	S/4 HANA	PL KO	ZAEHL	Counter	S.Internal
5	PF2 /WP2	PLKO	DAT UV	Valid-From Date	S/4 HANA	PL KO	DAT UV	Valid-From Date	R.Internal

6	PF2 /WP2	PLKO VALI D_TO	Valid-to date	S/4 HANA	PL KO	VALI D_TO	Valid-to date	R. Default to '31.12.9999'
7	PF2 /WP2	PLKO AEN NR	Change Number	S/4 HANA	PL NR	AEN NR	Change Number	Not used
8	PF2 /WP2	PLKO VER WE	Task List Usage	S/4 HANA	PL KO	VER WE	Task List Usage	R: In case of Inspection Type 01,05 and 08 use 5 Usage. In case of Inspection Type 89 use task list 3, in case of Inspection Type 02, 06, 10, 11, 12 use the task list 6, in case of Inspection Type 09 use the 09 Task list Rule: Step1: Join MAPL, QMAT/MARC on MATNR,WERKS, QMAT-ART(Inspection type) Setp2: If Inspection Type in 01,05 and 08 then Map usage(VERWE) = 5 If Inspection Type is 89 then Map usage(VERWE) = 3 in case of Inspection Type 02, 06, 10, 11, 12 then Map usage(VERWE) = 6 in case of Inspection Type 09 then Map usage(VERWE) = 09
9	PF2 /WP2	PLKO WER KS	Plant	S/4 HANA	PL KO	WER KS	Plant	R. Xref: Use xref for Plant (per mapping file)
10	PF2 /WP2	PLKO STATU	Status	S/4 HANA	PL KO	STATU	Status	R. Only migrate Released (4) plans. Others excluded (cleansing). Default to 4
11	PF2 /WP2	PLKO PLN ME	Task List Unit of Measure	S/4 HANA	PL ME	PLN ME	Task List Unit of Measure	R.Copy from source system
12	PF2 /WP2	PLKO LOSVN	Minimum Lot Size	S/4 HANA	PL KO	LOSVN	Minimum Lot Size	Not used
13	PF2 /WP2	PLKO LOSBS	Maximum Lot Size	S/4 HANA	PL KO	LOSBS	Maximum Lot Size	Not used
14	PF2 /WP2	PLKO VAG RP	Responsible Planner Group or Department	S/4 HANA	PL KO	VAG RP	Responsible Planner Group or Department	C. Xref: Use xref for VAGRP (per mapping file)
15	PF2 /WP2	PLKO KTEXT	recipe Description	S/4 HANA	PL KO	KTEXT	recipe Description	R. Copy from Source system
16	PF2 /WP2	PLKO TXTSP	Language Key	S/4 HANA	PL KO	TXTSP	Language Key	S.Internal
17	PF2 /WP2	PLKO LOEKZ	Deletion Indicator	S/4 HANA	PL KO	LOEKZ	Deletion Indicator	S.Internal
18	PF2 /WP2	PLKO QKZ RAST ER	Inspection Point	S/4 HANA	PL KO	QKZ RAST ER	Inspection Point	C. Copy from source system
19	PF2 /WP2	PLKO QPR ZIEH VER	Sample-Drawing Procedure	S/4 HANA	PL KO	QPR ZIEH VER	Sample-Drawing Procedure	C. Xref: Use xref for Sample drawing procedure (per mapping file)
20	PF2 /WP2	PLKO QDY NRE GEL	Dynamic Modification rule	S/4 HANA	PL KO	QDY NRE GEL	Dynamic Modification rule	C. Xref: Use xref for Dynamic modification rule (per mapping file)
21	PF2 /WP2	PLKO QDY NHE AD	Level at Which Dynamic Modification Parameters Are Defined	S/4 HANA	PL KO	QDY NHE AD	Level at Which Dynamic Modification Parameters Are Defined	Not used
22	PF2 /WP2	MA PL MAT NR	Material Number	S/4 HANA	MA PL	MAT NR	Material Number	R. Xref: Use xref for Material (per mapping file)
23	PF2 /WP2	MA PL WER KS	Plant	S/4 HANA	MA PL	WER KS	Plant	R. Xref: Use xref for Plant (per mapping file)
24	PF2 /WP2	MA PL PLNTY	Task List Type	S/4 HANA	MA PL	PLNTY	Task List Type	R. Default to "Q"
25	PF2 /WP2	MA PL PLNNR	Key for Task List Group	S/4 HANA	MA PL	PLNNR	Key for Task List Group	S.Internal
26	PF2 /WP2	MA PL PLNAL	Group Counter	S/4 HANA	MA PL	PLNAL	Group Counter	S.Internal
27	PF2 /WP2	MA PL ZKRIZ	Counter for Additional Criteria	S/4 HANA	MA PL	ZKRIZ	Counter for Additional Criteria	S.Internal
28	PF2 /WP2	MA PL ZAEHL	Counter	S/4 HANA	MA PL	ZAEHL	Counter	S.Internal
29	PF2 /WP2	MA PL LIFNR	Supplier	S/4 HANA	MA PL	LIFNR	Supplier	C.Xref: Use xref for Supplier (per mapping file)
30	PF2 /WP2	MA PL KUNR	Customer	S/4 HANA	MA PL	KUNR	Customer	C.Xref: Use xref for Customer (per mapping file)
31	PF2 /WP2	PLPO VOR NR	Operation	S/4 HANA	PL PO	VOR NR	Operation	R. Copy from Source system Re-sequence 0010... if duplicates
32	PF2 /WP2	PLPO PLNTY	Task List Type(Q = Inspection Plant)	S/4 HANA	PL PO	PLNTY	Task List Type(Q = Inspection Plant)	R. Default to "Q"
33	PF2 /WP2	PLPO PLNNR	Key for Task List Group	S/4 HANA	PL PO	PLNNR	Key for Task List Group	S.Internal
34	PF2 /WP2	PLPO PLNAL	Group Counter (Alternative)	S/4 HANA	PL PO	PLNAL	Group Counter (Alternative)	R.Internal
35	PF2 /WP2	PLPO ZAEHL	Counter	S/4 HANA	PL PO	ZAEHL	Counter	S.Internal

36	PF2 /WP2	PLPO	ARBID	Workcenter	S/4 HANA	PL PO	ARBID	Workcenter	R : PLPO-ARBID = CRHD-OBJID that represent the Workcenter CRHD-ARBPL Xref: Use xref for Workcenter(Per mapping file)
37	PF2 /WP2	PLPO	STEUS	Control Key	S/4 HANA	PL PO	STEUS	Control Key	R: Default to "QM01"
38	PF2 /WP2	PLPO	LTXA1	Operation Short Text	S/4 HANA	PL PO	LTXA1	Operation Short Text	C: Copy from Source system
39	PF2 /WP2	PLPO	BMS CH	Base quantity	S/4 HANA	PL PO	BMS CH	Base quantity	R. Copy from Source system
40	PF2 /WP2	PLPO	MEINH	Unit of measure for activity	S/4 HANA	PL PO	MEINH	Unit of measure for activity	R. Copy from Source system
41	PF2 /WP2	PLPO	WER KS	Plant	S/4 HANA	PL PO	WER KS	Plant	R. Xref: Use xref for Plant (per mapping file)
42	PF2 /WP2	PLPO	LAR01	Activity Type	S/4 HANA	PL PO	LAR01	Activity Type	Not used
43	PF2 /WP2	PLPO	VGE01	Unit of Measurement of Standard Value	S/4 HANA	PL PO	VGE01	Unit of Measurement of Standard Value	Not used
44	PF2 /WP2	PLPO	VGW 01	Standard Value	S/4 HANA	PL PO	VGW 01	Standard Value	Not used
45	PF2 /WP2	PL MK	PLNTY	Task List Type(Q = Inspection Plant)	S/4 HANA	PL MK	PLNTY	Task List Type(Q = Inspection Plant)	R. Default to "Q"
46	PF2 /WP2	PL MK	PLNNR	Key for Task List Group	S/4 HANA	PL MK	PLNNR	Key for Task List Group	S.Internal
47	PF2 /WP2	PL MK	PLNKN	Node	S/4 HANA	PL MK	PLNKN	Node	S.Internal
48	PF2 /WP2	PL MK	MER KNR	Inspection Characteristic Number	S/4 HANA	PL MK	MER KNR	Inspection Characteristic Number	R. Copy; if missing, derive sequentially per operation (0001...n)
49	PF2 /WP2	PL MK	VER WME RKM	Master Inspection Characteristic	S/4 HANA	PL MK	VER WME RKM	Master Inspection Characteristic	R. Xref: Use xref for MIC (per mapping file)
50	PF2 /WP2	PL MK	KZEI NSTE LL	Characteristic Type	S/4 HANA	PL MK	KZEI NSTE LL	Characteristic Type	S.Internal
51	PF2 /WP2	PL MK	ZAEHL	Counter	S/4 HANA	PL MK	ZAEHL	Counter	S.Internal
52	PF2 /WP2	PL MK	QPM K_ZA EHL	Plant	S/4 HANA	PL MK	QPM K_ZA EHL	Plant	R. Xref: Use xref for Plant (per mapping file)
53	PF2 /WP2	PL MK	MKV ERSI ON	Version	S/4 HANA	PL MK	MKV ERSI ON	Version	S.Internal
54	PF2 /WP2	PL MK	KUR ZTEXT	Short Text for Inspection Characteristic	S/4 HANA	PL MK	KUR ZTEXT	Short Text for Inspection Characteristic	C. Copy from source system
55	PF2 /WP2	PL MK	PME THO DE	Inspection Method	S/4 HANA	PL MK	PME THO DE	Inspection Method	C.Xref: Use xref for Inspection Method (per mapping file)
56	PF2 /WP2	PL MK	QMT B_W ERKS	Plant for Inspection Method	S/4 HANA	PL MK	QMT B_W ERKS	Plant for Inspection Method	S.Internal
57	PF2 /WP2	PL MK	PMT VER SION	Version Number of Inspection Method	S/4 HANA	PL MK	PMT VER SION	Version Number of Inspection Method	S.Internal
58	PF2 /WP2	PL MK	STIC HPR VER	Sampling Procedure in Inspection Characteristic	S/4 HANA	PL MK	STIC HPR VER	Sampling Procedure in Inspection Characteristic	R. Xref: Use xref for Sample procedure (per mapping file) System expects a value if we have MIC
59	PF2 /WP2	PL MK	MAS SEIN HSW	MIC UoM	S/4 HANA	PL MK	MAS SEIN HSW	MIC UoM	S.Internal
60	PF2 /WP2	PL MK	SOLL WERT	Target Value	S/4 HANA	PL MK	SOLL WERT	Target Value	R.Copy from Source system
61	PF2 /WP2	PL MK	TOLE RAN ZUN	Lower Specification Limit	S/4 HANA	PL MK	TOLE RAN ZUN	Lower Specification Limit	R.Copy from Source system
62	PF2 /WP2	PL MK	TOLE RAN ZOB	Upper Specification Limit	S/4 HANA	PL MK	TOLE RAN ZOB	Upper Specification Limit	R.Copy from Source system
63	PF2 /WP2	PL MK	AUS WME NGE1	Assigned Code Group or Selected Set	S/4 HANA	PL MK	AUS WME NGE1	Assigned Code Group or Selected Set	R.Xref: Use xref for Code group or Selected set
64	PF2 /WP2	PL MK	AUS WMG WRK1	Plant of the Assigned Selected Set	S/4 HANA	PL MK	AUS WMG WRK1	Plant of the Assigned Selected Set	S.Internal
65	PF2 /WP2	PL MK	DUM MY10	Text Line for Additional Information_1	S/4 HANA	PL MK	DUM MY10	Text Line for Additional Information_1	Not used

66	PF2 /WP2	PL MK	DUM MY20	Text Line for Additional Information_2	S/4 HANA	PL MK	DUM MY20	Text Line for Additional Information_2	Not used
67	PF2 /WP2	PL MK	PLM K- DUM MY40	Text Line for Additional Information_3	S/4 HANA	PL MK	PLM K- DUM MY40	Text Line for Additional Information_3	Not used
68	PF2 /WP2	PL MK	GRE NZE OB1	First Upper Specification Limit	S/4 HANA	PL MK	GRE NZE OB1	First Upper Specification Limit	Not used
69	PF2 /WP2	PL MK	GRE NZO B1NI	Value Not Initial If Set	S/4 HANA	PL MK	GRE NZO B1NI	Value Not Initial If Set	Not used
70	PF2 /WP2	PL MK	GRE NZE UN1	First Lower Specification Limit	S/4 HANA	PL MK	GRE NZE UN1	First Lower Specification Limit	Not used
71	PF2 /WP2	PL MK	GRE NZU N1NI	Value Not Initial If Set	S/4 HANA	PL MK	GRE NZU N1NI	Value Not Initial If Set	Not used
72	PF2 /WP2	PL MK	GRE NZE OB2	Second Upper Specification Limit	S/4 HANA	PL MK	GRE NZE OB2	Second Upper Specification Limit	Not used
73	PF2 /WP2	PL MK	GRE NZO B2NI	Value Not Initial If Set	S/4 HANA	PL MK	GRE NZO B2NI	Value Not Initial If Set	Not used
74	PF2 /WP2	PL MK	GRE NZE UN2	Second Lower Specification Limit	S/4 HANA	PL MK	GRE NZE UN2	Second Lower Specification Limit	Not used
75	PF2 /WP2	PL MK	GRE NZU N2NI	Value Not Initial If Set	S/4 HANA	PL MK	GRE NZU N2NI	Value Not Initial If Set	Not used
76	PF2 /WP2	PL MK	PLAU SIOB EN	Upper Plausibility Limit	S/4 HANA	PL MK	PLAU SIOB EN	Upper Plausibility Limit	C: Copy from Source system
77	PF2 /WP2	PL MK	PLAU SIOB NI	Value Not Initial If Set	S/4 HANA	PL MK	PLAU SIOB NI	Value Not Initial If Set	S: Internal
78	PF2 /WP2	PL MK	PLAU SIUN TE	Lower Plausibility Limit	S/4 HANA	PL MK	PLAU SIUN TE	Lower Plausibility Limit	C: Copy from Source system
79	PF2 /WP2	PL MK	PLAU SIUN NI	Value Not Initial If Set	S/4 HANA	PL MK	PLAU SIUN NI	Value Not Initial If Set	S: Internal
80	PF2 /WP2	PL MK	TOLE RWEI OB	Change to Upper Specification Limit	S/4 HANA	PL MK	TOLE RWEI OB	Change to Upper Specification Limit	Not used
81	PF2 /WP2	PL MK	TOL WOB NI	Value Not Initial If Set	S/4 HANA	PL MK	TOL WOB NI	Value Not Initial If Set	S: Internal
82	PF2 /WP2	PL MK	TOLE RWEI UN	Change to Lower Specification Limit	S/4 HANA	PL MK	TOLE RWEI UN	Change to Lower Specification Limit	Not used
83	PF2 /WP2	PL MK	TOL WUN NI	Value Not Initial If Set	S/4 HANA	PL MK	TOL WUN NI	Value Not Initial If Set	S: Internal
84	PF2 /WP2	PL MK	TOLE RWAB	Date from Which the Tolerance Change Is Valid	S/4 HANA	PL MK	TOLE RWAB	Date from Which the Tolerance Change Is Valid	C: Rule: If PLMK-TOLERWEIOB or PLMK-TOLERWEIUN is not empty this field need to be populated;
85	PF2 /WP2	PL MK	TOLE RWBIS	Date Until Which the Tolerance Change Is Valid	S/4 HANA	PL MK	TOLE RWBIS	Date Until Which the Tolerance Change Is Valid	C: Rule: If PLMK-TOLERWEIOB or PLMK-TOLERWEIUN is not empty this field need to be populated;
86	PF2 /WP2	STXH	TDO BJECT	Text Object (e.g., "STKO")	S /4HA NA	ST XH	TDO BJECT	Text Object (e.g., "ROUTING")	Default to "ROUTING"
87	PF2 /WP2	STXH	TDN AME	Text Name (Combination of BOM Number + Language + Key)	S /4HA NA	ST XH	TDN AME	Text Name PLKO : MANDT+PLNTY+PLN NR+PLNAL+ZAEHL PLPO : MANDT+PLNTY+PLN NR+PLNKN+ZAEHL	The STXH table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
88	PF2 /WP2	STXH	TDID	Text ID (e.g., "ST")	S /4HA NA	ST XH	TDID	Text ID: PLKO,PLPO	The STXH table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
89	PF2 /WP2	STXH	TDSP RAS	Language Key	S /4HA NA	ST XH	TDSP RAS	Language Key	The STXH table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
90	PF2 /WP2	STXH	TDVE RSION	Version Number of Text	S /4HA NA	ST XH	TDVE RSION	Version Number of Text	The STXH table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.

91	PF2 /WP2	STXH	TDLOCK	Lock Indicator for Text	S /4HANA	STXH	TDLOCK	Lock Indicator for Text	The STXH table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
92	PF2 /WP2	STXL	CLUSTD	Text Line (Compressed)	S /4HANA	STXL	CLUSTD	Text Line (Compressed)	The STXL table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
93	PF2 /WP2	STXL	TDOBJE	Text Object (Reference from STXH)	S /4HANA	STXL	TDOBJE	Text Object (Reference from STXH)	Default to "ROUTING"
94	PF2 /WP2	STXL	TDNAME	Text Name	S /4HANA	STXL	TDNAME	Text Name	The STXL table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.
95	PF2 /WP2	STXL	TDSPO	Text Line Sequence	S /4HANA	STXL	TDSPO	Text Line Sequence	The STXL table data will be migrated as-is from the current system to S/4HANA, with no modifications, ensuring consistency and traceability of existing records.

Transformation Mapping

Mapping Table Name	Mapping Table Description
Plant	Mapping of legacy Plants to To-Be Plants in S/4HANA (used for PLKO/PLPO/PLMK and MAPL).
Work Center	Mapping of legacy Work Centers (CRHD-ARBPL) to new Work Centers in the target plant.
Task List Usage	Mapping of legacy Task List Usage (PLKO-VERWE) to S/4HANA usage codes (e.g., map local values to 5 – Inspection Plan).
Control Key	Mapping of legacy Operation Control Keys (PLPO-STEUS) to target control keys (e.g., to QM01).
Material Number	Mapping/normalization of Material numbers (legacy format) to the 18-char S/4 MATNR used in MAPL assignment.
Master Inspection Characteristic (MIC)	Mapping of legacy MICs (QPMK/QPMT: VERWMERKM/VERSION) to harmonized MIC IDs in S/4; includes merge rules for duplicates/versions.
Sampling Procedure	Mapping of Sampling Procedures (QDSV / QAMV-STICHPRVER) from legacy IDs to target IDs and sampling schemes.
Inspection Method	Mapping of Inspection Methods (QMTB/QMTT) from legacy method numbers and versions to target method IDs.
Unit of Measure	Mapping of UoM (PLMK-MSEHI, PLPO/PLMK qty fields) to S/4 UoM using T006; includes conversion rules /decimals.
Catalogs / Code Groups / Selected Sets	Mapping of QM catalogs (defect/characteristic/usage) and selected sets used in plan characteristics to target catalogs/code groups.
Language Texts	Mapping strategy for short & long texts (header/operation/characteristic) from legacy languages to target language keys (EN + approved translations).
Status	Mapping of plan status to S/4 rules (only Released = 4 migrated; others excluded).
Supplier	Mapping for Supplier from Legacy to S/4
Customer	Mapping for Customer from Legacy to S/4
Responsible Planner Group or Department	Mapping of Planner group from Legacy to S/4
Sample-Drawing Procedure	Mapping of Sample drawing procedure from Legacy to S/4
Dynamic Modification rule	Mapping of Dynamic modification rule from Legacy to S/4

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Value Mappings are according to the latest design - <List of Value Mappings>	SyWay Data Team

Pre-Load Validation

Project Team

Completeness

Task	Action
Compare Data Counts	<ol style="list-style-type: none">1. Verify row counts between source and target databases.2. Identify missing or duplicated records.
Validate the mandatory fields	Validate there is value for all the mandatory fields
Validate Primary Keys and Unique Constraints	<ol style="list-style-type: none">1. Check for duplicate or missing primary key values.2. Ensure unique constraints are maintained.
Test Referential Integrity	Confirm dependent records exist in related tables

Accuracy

Task	Action
Validate the transformation	Validate the fields which require transformation have the value after transformation instead of the original field value
Check Data Consistency	<ol style="list-style-type: none">1. Compare field values across systems2. Validate data formats and structures

Business

Completeness

Task	Action
Compare Data Count	<ol style="list-style-type: none">1. Verify row counts between source and target databases.2. Identify missing or duplicated records.
Review populated templates for missing or incorrect values	Use checklists to verify completeness and correctness before submission

Accuracy

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

Load

The load process includes:

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

Load Run Sheet

Item #	Step Description	Team Responsible
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1	<p>Load Scope Definition</p> <ul style="list-style-type: none"> - Identify the target system and database structure. - Define data objects (tables, fields, records) to be loaded. - Establish business rules for data validation. 	Data team
2	<p>Load Methodology</p> <ul style="list-style-type: none"> - Specify the loading tools and technologies (Migration Cockpit, LSMW, custom loading program). 	Syniti
3	<p>Data Quality and Validation</p> <ul style="list-style-type: none"> - Ensure data integrity checks (null values, duplicates, format validation). - Perform pre-load validations to verify completeness. - Define error handling mechanisms for load failures 	Syniti
4	<p>Load Execution Plan</p> <ul style="list-style-type: none"> - Establish execution timelines and batch processing schedules. - Assign responsibilities for monitoring execution. - Document dependencies on other migration tasks 	Syniti
5	<p>Logging and Reporting</p> <ul style="list-style-type: none"> - Maintain detailed logs of loading activities. - Generate summary reports on loaded data volume and quality. - Define escalation procedures for errors 	Syniti

Load Phase and Dependencies

The Inspection Plan will be loaded in the pre-cutover (PreCutover 4 phase) period.

Before loading, it will have dependency on the following configuration and data objects in the S/4 HANA.

Configuration

Item #	Configuration Item
1	KNA1 - General Data in Customer Master
2	LFA1 - Supplier Master (General Section)
3	MARA - General Material Data
4	TCA01 - Task list types
5	T001W - Plants/Branches
6	T006 - Units of Measurement
7	TQ39A - Definition of dynamic modification level
8	QDDR - Dynamic modification rule (header)
9	QPRVK - Sample-drawing procedure
10	T412 - Task list status
11	T002 - Language Keys (Component BC-I18)
12	T024A - Planner group
13	T411 - Task list usage
14	QMTB - Inspection method master record
15	QPMK - Inspection characteristic master

16	CSLA - Activity master
17	T430 - Operation/Activity control key
18	T001W - Plants/Branches
19	TQ15 - Inspection catalog type index
20	TQ07 - Follow-Up Action for Usage Decision of Inspection Lot
21	TQ06 - Procedure for Calculating the Quality Score
22	T006 - Units of Measurement
23	TQ29A - Dependency tolerance key - nominal measurement
24	QPMK - Inspection characteristic master
25	QMTB - Inspection method master record
26	CRHD - Work Center Header
27	T430 - Operation/Activity control key
28	T024 - Purchasing Groups
29	TQ31 - Inspection Lot Origins

Conversion Objects

Object #	Preceding Object Conversion Approach
1043	Inspection methods (Inspection methods must exist before assignment to plan)
1056	Resources / Work Centers (needed for operations in the Inspection Plan)
1057	Master Inspection Characteristics (MICs must exist before assignment to plan)
1064	Sampling Procedures (must exist before they can be assigned in plans)
2009	Material Master (QM View must exist before Inspection Plan assignment)

Error Handling

Error Type	Error Description	Action Taken
1	Material Master (QM View) does not exist for the plant/material combination	Ensure that the Material Master with QM View is created and valid before plan migration
2	Work Center not created or inactive in the assigned plant	Validate Work Center mapping and create/activate the Work Center if required
3	Sampling Procedure assigned in plan does not exist	Ensure Sampling Procedures are created and mapped correctly before assignment
4	Master Inspection Characteristic (MIC) referenced in plan does not exist or is invalid	Validate that MICs exist, are active, and correctly mapped before migration
5	Invalid or missing Task List Usage in Inspection Plan header	Update Usage assignment to valid configuration
6	Inspection method referenced in plan does not exist or is invalid	Validate that Inspection methods exist, are active, and correctly mapped before migration

Post-Load Validation

Project Team

Completeness

Task	Action
Validate Record count in the backend	Validate all tables with prefix "PLKO" has the same records as the loading file
Display Records	Pick up a few random Inspection Plan and run t-code: QP03 to validate the Inspection Plan can be displayed without any error.
Perform Source-to-Target Comparisons	<ol style="list-style-type: none"> 1. Validate that migrated data matches source records. 2. Check for discrepancies in numerical values, text fields, and timestamps

Accuracy

Task	Action
Execute Sample Queries and Reports	<ol style="list-style-type: none"> 1. Run queries to validate business logic. 2. Generate reports to compare expected vs. actual results
Conduct Post-Migration Reconciliation	Generate reports comparing pre- and post-migration data.

Business

Post-load validation is a critical step in data migration, ensuring that transferred data is accurate, complete, and functional within the target system.

1. Ensuring Data Integrity

After migration, data must be consistent with its original structure. Post-load validation checks for missing records, incorrect mappings, and formatting errors to prevent discrepancies.

2. Business Continuity

Faulty data can disrupt operations, leading to financial losses and inefficiencies. Validating post-load data ensures that applications function as expected, preventing downtime.

3. Error Detection and Resolution

By validating data post-migration, businesses can detect anomalies early, reducing the cost and effort required for corrections

Completeness

Task	Action
Perform Source-to-Target Comparisons	<ol style="list-style-type: none"> 1. Validate that migrated data matches source records. 2. Check for discrepancies in numerical values, text fields, and timestamps
Conduct Post-Migration Reconciliation	Go through reports comparing pre- and post-migration data.

Accuracy

Task	Action
Perform Manual Testing	Conduct manual spot-checks for additional assurance.

Key Assumptions

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

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 47)	Feb 24, 2026 11:41	REDDY-ext, Naren	Removed the CUI object statement from Purpose
v. 46	Feb 17, 2026 15:15	REDDY-ext, Naren	Updated the DCT long text section
v. 45	Feb 17, 2026 09:15	REDDY-ext, Naren	Updated DCT section
v. 44	Feb 17, 2026 09:10	REDDY-ext, Naren	
v. 43	Feb 12, 2026 15:53	REDDY-ext, Naren	Update DCT section : DCT template
v. 42	Nov 28, 2025 14:53	REDDY-ext, Naren	Updated the Validation reports link(Post load validation)
v. 41	Nov 27, 2025 11:33	REDDY-ext, Naren	Removed STXH-TDLOCK, STXL-TDSPO from transformation rules
v. 40	Nov 17, 2025 03:22	REDDY-ext, Naren	Update cleansing rules
v. 39	Nov 17, 2025 02:57	REDDY-ext, Naren	Updated the scope of CUI
v. 38	Oct 29, 2025 12:47	REDDY-ext, Naren	Updated the relevancy to include PLNTY = Q

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Workflow history

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