CNV-1044 Quality Info Record

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Purpose

The purpose of this document is to define the conversion approach to create 1044 Quality Info Record in S/4 HANA.

Quality Info Records are used in SAP Quality Management (QM) to control the procurement and usage of materials from vendors. A QIR documents whether a supplier is approved to deliver a particular material, under what conditions, and with what quality agreements in place. It also supports restrictions such as blocking or requiring source inspections before delivery. This feature helps ensure supplier quality compliance and strengthens the linkage between procurement and quality processes.

In SAP S/4HANA, the structure and usage of Quality Info Records remain consistent with SAP ECC, generally defined by key combinations such as **Material / Vendor / Plant**. QIRs can include attributes such as release status, validity dates, procurement blocks, source inspection requirements, and quality agreement indicators.

In SAP ECC, aside from the standard structures, Quality Info Records may also exist with extended combinations or enhancements, for example:

- Material / Vendor without plant reference,
- Additional custom fields capturing supplier quality ratings,
- Legacy blocks or obsolete release indicators that are no longer in use.
  Such cases must be reviewed carefully (pending MDS) to determine whether they remain relevant for migration.

This conversion aims to migrate active and relevant Quality Info Records from existing ECC systems into S/4HANA by applying the 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_QM_QUALINFORECORD_CREATE`), IDOCs, or direct table loads where applicable, ensuring compliance with procurement and quality integration processes.

Conversion Scope

The scope of this document covers the approach for converting active Quality Info Record from Legacy Source Systems into S/4HANA following the Quality Info Record - Master Data Design Standard.

The data from legacy system includes:

1. Active QIRs used within the last four (4) years in procurement. (QINF-ERSTELLDAT >= CURRENT DATE - 4)
2. QIRs without deletion flag.(QINF-LOEKZ = BLANK)
3. Plant-specific QIRs that will be migrated to the To-Be Plant Mapping in Enterprise Structure Catalog worksheet "30. Plants"
4. QIRs referenced in active material-vendor (procurement). Refer Material and BP-Vendor objects.

The data from legacy system excludes:

1. Inactive QIRs not used in more than four (4) years.
2. QIRs marked for deletion.
3. QIRs belonging to deleted plants (per To-Be Plant mapping).
4. QIRs referenced in inactive material-vendor (procurement).

List of source systems and approximate number of records

Source	Scope	Source Approx. No. of Records	Target System	Target Approx. No. of Records
PF2 and WP2	Quality Info Record will be extracted from PF2 and WP2 client	PF2: In-scope : 4628 records WP2: In-scope : 1631 records	S/4 HANA	In-scope data: 6259 records

Additional Information

Multi-language Requirement

Not applicable

Document Management

Not applicable

Legal Requirement

Not applicable

Special Requirements

Not applicable

Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QINF	MANDT	MANDT	The client field, identifies the SAP client for which record was created	CLNT	3	R
QINF	MATNR	MATNR	Material Number for which quality info record is to be created	CHAR	40	R
QINF	WERK	WERKS_D	Plant Code for which quality info record is to be created	CHAR	4	R
QINF	LIEFERANT	ELIFN	Vendor Code for which quality info record is to be created	CHAR	10	R
QINF	REVLV	REVLV	This field stores specific version of a material for a given vendor-plant combination in a quality info record	CHAR	2	R
QINF	FREI_DAT	QFREIDAT	Valid to date for the quality info record	DATS	8	R If the release has an end date, enter it; else enter 31.12.9999
QINF	FREI_MNG	QFREIMG	This field functions as a limit the controls how much of a product can be ordered from a specific vendor before further action is taken, such as needing a new quality inspection.	QUAN	13	C
QINF	SPERRGRUND	QSPERRGR	This field is a blocking reason code that specifies why a material-vendor combination is blocked or released for procurement transactions like quotations, purchase orders, or goods receipts.	CHAR	40	C
QINF	SPERRFKT	QSPERRFKT	This field can can block a supplier for purchase orders, goods receipts, or both, by setting the appropriate value.	CHAR	2	C
QINF	FREI_MGKZ	QFREIMGKZ	This indicator effectively blocks new purchase orders for the specified material from that vendor, as the "release quantity" has been exhausted or used up.	CHAR	1	C
QINF	NOINSP	QNOINSP	This field indicates whether a goods receipt inspection is to be skipped for a specific material, vendor, and plant combination. It allows users to skip inspections for materials that are already known to be of high quality or where no incoming inspection is required by the business process.	CHAR	1	C
QINF	QSSYSFAM	QSSYS_IST	Thi field indicates the specific quality management system used by a supplier for a particular material and vendor combination.	CHAR	4	C
QINF	QSSYSDAT	QQSSYSDAT	Valid to Date for Actual (Existing) QM system	DATS	8	C
QINF	VORLABN	QVORLABN	Lot Creation lead time for source inspection	INT1	3	C

QINF	VARIABNAHM	QINFVAR1	Inspection type for inspection lot origin (source inspection)	CHAR	8	C
QINF	CERTCONTROL	QCERTCONTROL	This field allows to control how quality certificates are handled for a material from a specific supplier, for example, to trigger inspections or block procurement until a certificate is received and verified.	CHAR	1	C
QINF	ZAEHL	Q_COUNT	Internal Counter for DB Objects	NUMC	6	S
QINF	ERSTELLER	QINFERST	Name of User who Created the Q-Info Record	CHAR	12	S
QINF	ERSTELLDAT	QINFERSTDT	Create Date of Q-Info Record	DATS	8	S
QINF	AENDERER	QINFAEND	Name of User who Most Recently Changed the Q-Info Record	CHAR	12	S
QINF	AENDERDAT	QINFAENDDT	Change Date of Q-Info Record	DATS	8	S
QINF	BEST_MG	QBSTMG	This field accumulates the total quantity of a specific material that has been ordered from a particular vendor for a given plant.	QUAN	13	C
QINF	ME	QBSTME	Base Unit of Measure for the Material	UNIT	3	C
QINF	DAT_RUECK	QRSDAT	The reset date clears the accumulated total ordered quantity, allowing for new orders to be placed again against the release quantity.	DATS	8	C
QINF	SPRACHE	SPRAS	This field indicates the language in which information, like text descriptions or status messages, is stored or displayed	LANG	1	C
QINF	QVVORH	QQSVVORH	If the Quality agreement exists (is True) for this Material with this Supplier, certain aspects of the Quality Info Records will be determined by the Quality Agreement.	CHAR	1	S
QINF	LTEXTKZ	QLTEXTKZ	Inspection Characteristic Long Text Exists	CHAR	1	C
QINF	SPRAS	SPRAS	This field allows SAP to store and retrieve information in different languages for users and customers with varying language preferences.	LANG	1	C
QINF	PLOS	QPLOSQINF	This field provides the direct link between the material's procurement record and quality inspection process for that specific batch or quantity	NUMC	12	S
QINF	PLOS2	QPLOSQINF2	This field is used to link a info record to a subsequent inspection lot, to define conditions or actions that should be triggered based on the outcome of a previous inspection.	NUMC	12	S
QINF	STSMA	QSTSMAQINF	Status profile defines a set of statuses for a quality info record	CHAR	8	C
QINF	OBJNR	QINFOBJNR	System generated unique identifier for quality info record	CHAR	22	S
QINF	NOINSPABN	QNOWEABN	This field prevents goods receipt (GR) inspection from taking place if a source inspection lot has already been created for that material and vendor combination.	CHAR	1	C

Data Cleansing

ID	Criticality	Rule	Output	Source System
1044-001	C1	QIR references a material that does not exist in MARA/MARC or is flagged for deletion/blocked at plant.	Material	PF2/WP2
1044-002	C1	QIR (MATNR/LIFNR/WERKS) references vendor not in LFA1/LFM1 (or blocked for purchasing).	Vendor	PF2/WP2
1044-003	C2	Indicator for Long text(LTEXTKZ) is set but no long text is maintained.	QIR Text	PF2/WP2

1044-004	C1	Material does not have a QM view in Material master	Material	PF2/WP2

Conversion Process

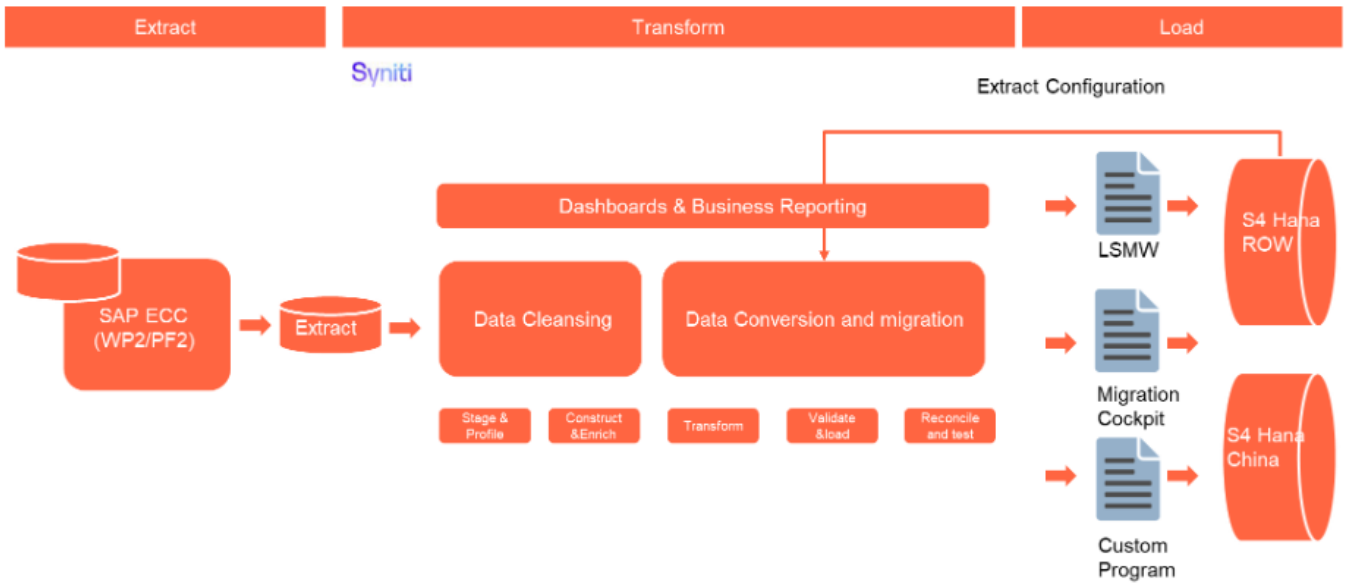
The high-level process is represented by the diagram below:

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 . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into . There are 3 methods:
    a. Perform full data extraction from relevant tables in the source system(s).
    b. Perform extraction through the application layer.
    c. Only if ; 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 . This is to be conducted using DCT (Data Collection Template) in

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	- Identify the source systems and databases involved. - Define the data objects (tables, fields, records) to be extracted. - Establish business rules for data selection.	Syniti / LTC Data team
Extraction Methodology	- 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	- Establish execution timelines and batch processing schedules. - Assign responsibilities for extraction monitoring. - Document dependencies on other migration tasks.	Syniti
Data Quality and Validation	- 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 Quality info records 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** • Ensure that the source database or application is accessible. • Confirm that necessary credentials and permissions are granted	Syensqo IT
2	**Data Structure** • Identify relationships between tables, views, and stored procedures.	Syniti
3	**Referential Integrity** • Ensure dependent records are extracted together.	Syniti
4	**Extraction Methodology** • Define whether extraction is **full, incremental, or delta-based**. • Establish batch processing schedules for large datasets.	Syniti
5	**Performance and Scalability Considerations** • Optimize extraction queries to prevent system overload. • Ensure network bandwidth supports data transfer volumes.	Syniti
6	**Security and Compliance** • Adhere to regulatory standards for sensitive information if applicable	Syniti

Transformation

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

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

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	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

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2/WP2	QINF	MANDT	Client	S/4 HANA	QINF	MANDT	Client	R.Internal
2	PF2/WP2	QINF	MATNR	Material Number	S/4 HANA	QINF	MATNR	Material Number	R.xref for Material(As per mapping file)
3	PF2/WP2	QINF	WERK	Plant	S/4 HANA	QINF	WERK	Plant	R.xref for Plant(As per mapping file)
4	PF2/WP2	QINF	LIEFERANT	Supplier	S/4 HANA	QINF	LIEFERANT	Supplier	R.Xref for Supplier(As per mapping file)
5	PF2/WP2	QINF	REVLV	Revision Level	S/4 HANA	QINF	REVLV	Revision Level	R.Copy
6	PF2/WP2	QINF	FREI_DAT	Release Until	S/4 HANA	QINF	FREI_DAT	Release Until	R.Rule: If the release has an end date, enter it; else enter 31.12.9999
7	PF2/WP2	QINF	FREI_MNG	Release Quantity	S/4 HANA	QINF	FREI_MNG	Release Quantity	C. Copy from source system.
8	PF2/WP2	QINF	SPERRGRUND	Blocking Reason	S/4 HANA	QINF	SPERRGRUND	Blocking Reason	C. Copy from source system.
9	PF2/WP2	QINF	SPERRFKT	Blocking Function	S/4 HANA	QINF	SPERRFKT	Blocking Function	C. Copy from source system.
10	PF2/WP2	QINF	FREI_MGKZ	Indicator: Release Quantity Is Active	S/4 HANA	QINF	FREI_MGKZ	Indicator: Release Quantity Is Active	C. Copy from source system.
11	PF2/WP2	QINF	NOINSP	Inspection Control	S/4 HANA	QINF	NOINSP	Inspection Control	C. Copy from source system.
12	PF2/WP2	QINF	QSSYSFAM	Actual QM System	S/4 HANA	QINF	QSSYSFAM	Actual QM System	C. Copy from source system.

13	PF2/WP2	QINF	QSSYSDAT	QM System Valid To	S/4 HANA	QINF	QSSYSDAT	QM System Valid To	C. Copy from source system.
14	PF2/WP2	QINF	VORLABN	Lead Time (in Days)	S/4 HANA	QINF	VORLABN	Lead Time (in Days)	C. Copy from source system.
15	PF2/WP2	QINF	VARIABNAHM	Source Inspection	S/4 HANA	QINF	VARIABNAHM	Source Inspection	C. Copy from source system.
16	PF2/WP2	QINF	CERTCONTROL	Certificate	S/4 HANA	QINF	CERTCONTROL	Certificate	C. Copy from source system.
17	PF2/WP2	QINF	ZAEHL	Internal Counter for DB Objects	S/4 HANA	QINF	ZAEHL	Internal Counter for DB Objects	S.Internal
18	PF2/WP2	QINF	ERSTELLER	Name of User who Created the Q-Info Record	S/4 HANA	QINF	ERSTELLER	Name of User who Created the Q-Info Record	S.Internal
19	PF2/WP2	QINF	ERSTELLDAT	Create Date of Q-Info Record	S/4 HANA	QINF	ERSTELLDAT	Create Date of Q-Info Record	S.Internal
20	PF2/WP2	QINF	AENDERER	Name of User who Most Recently Changed the Q-Info Record	S/4 HANA	QINF	AENDERER	Name of User who Most Recently Changed the Q-Info Record	S.Internal
21	PF2/WP2	QINF	AENDERDAT	Change Date of Q-Info Record	S/4 HANA	QINF	AENDERDAT	Change Date of Q-Info Record	S.Internal
22	PF2/WP2	QINF	BEST_MG	Quantity Ordered for the Material	S/4 HANA	QINF	BEST_MG	Quantity Ordered for the Material	C. Copy from source system
23	PF2/WP2	QINF	ME	Base Unit of Measure for the Material	S/4 HANA	QINF	ME	Base Unit of Measure for the Material	C. Copy from source system
24	PF2/WP2	QINF	DAT_RUECK	Date when the Ordered Quantity Was Reset	S/4 HANA	QINF	DAT_RUECK	Date when the Ordered Quantity Was Reset	C. Copy from source system
25	PF2/WP2	QINF	SPRACHE	Language Key	S/4 HANA	QINF	SPRACHE	Language Key	C. Internal
26	PF2/WP2	QINF	QVVORH	Quality Assurance Agreement Exists	S/4 HANA	QINF	QVVORH	Quality Assurance Agreement Exists	S.Internal
27	PF2/WP2	QINF	LTEXTKZ	Inspection Characteristic Long Text Exists	S/4 HANA	QINF	LTEXTKZ	Inspection Characteristic Long Text Exists	C. Copy from source system. Migrate long text if we have this field ='X'
28	PF2/WP2	QINF	SPRAS	Language Key	S/4 HANA	QINF	SPRAS	Language Key	C. Copy from source system.
29	PF2/WP2	QINF	PLOS	Inspection Lot No. in QINF for Current Status	S/4 HANA	QINF	PLOS	Inspection Lot No. in QINF for Current Status	S.Internal
30	PF2/WP2	QINF	PLOS2	Inspection Lot No. in QINF for Next Status	S/4 HANA	QINF	PLOS2	Inspection Lot No. in QINF for Next Status	S.Internal
31	PF2/WP2	QINF	STSMA	Status Profile Assigned to Quality Info Record	S/4 HANA	QINF	STSMA	Status Profile Assigned to Quality Info Record	C. Copy from source system.
32	PF2/WP2	QINF	OBJNR	QINF Object Number in Status Management	S/4 HANA	QINF	OBJNR	QINF Object Number in Status Management	S.Internal
33	PF2/WP2	QINF	NOINSPABN	No GR Inspection if Source Inspection Lot Exists	S/4 HANA	QINF	NOINSPABN	No GR Inspection if Source Inspection Lot Exists	C. Copy from source system.
34	PF2/WP2	STXH	TDOBJECT	Text Object	S/4HANA	STXH	TDOBJECT	Text Object	Default to"QINF"
35	PF2/WP2	STXH	TDNAME	Text Name	S/4HANA	STXH	TDNAME	Text Name	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.
36	PF2/WP2	STXH	TDID	Text ID	S/4HANA	STXH	TDID	Text ID	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. Default to 'QINF'
37	PF2/WP2	STXH	TDSPRAS	Language Key	S/4HANA	STXH	TDSPRAS	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.
38	PF2/WP2	STXH	TDVERSION	Version Number of Text	S/4HANA	STXH	TDVERSION	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.

39	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.
40	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.
41	PF2/WP2	STXL	TDOBJECT	Text Object (Reference from STXH)	S/4HANA	STXL	TDOBJECT	Text Object	Default to"QINF"
42	PF2/WP2	STXL	TDNAME	Text Name	S/4HANA	STXL	TDNAME	Text Name	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.
43	PF2/WP2	STXL	TDSPO	Text Line Sequence	S/4HANA	STXL	TDID	Text ID	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. Default to 'QINF'

Transformation Mapping

Mapping Table Name	Mapping Table Description
Material	Mapping of legacy Material to new S/4HANA Material according to To-Be Material Mapping definition.
Plant	Mapping of legacy Plants to new S/4HANA Plant codes according to To-Be Plant Mapping definition.
Supplier	Mapping of legacy Supplier to new S/4HANA Supplier according to To-Be Material Mapping definition.

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	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	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	1. Compare field values across systems 2. Validate data formats and structures

Business

Completeness

Task	Action
Compare Data Count	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
1	Load Scope Definition - 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	Load Methodology - Specify the loading tools and technologies (Migration Cockpit, LSMW, custom loading program).	Syniti
3	Data Quality and Validation - 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	Load Execution Plan - Establish execution timelines and batch processing schedules. - Assign responsibilities for monitoring execution. - Document dependencies on other migration tasks	Syniti

5	Logging and Reporting - 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 Quality Info records 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	**T001W – Plants/Branches**: Definition of plants where Quality info records are created and maintained.
2	**T006 – Units of Measurement**: ISO-compliant UoM definitions to ensure consistency of Base Unit of Measure for the Material
3	**TQ04A - Blocked functions:** Ensure to allow only valid Block functions
4	**TQ02B - Actual QM system:** Ensure supplier qualification and compliance tracking within the Quality Management module.
5	**TQ30 - Inspection type:** Ensure the right inspections are used
6	**TJ20- Status Profiles:** Ensures valid QM status profiles are used
7	**T002- Language keys:** Ensures valid Languages are used for short and long texts

Conversion Objects

Object #	Preceding Object Conversion Approach
CNV-2009	Material master along with QM view
CNV-3026	BP-Vendor Master

Error Handling

Error Type	Error Description	Action Taken
1	Plant does not exist or not mapped in target system	Verify that the plant exists in the target system and mapping is correctly maintained. Reprocess once mapping is updated.
2	UoM (Unit of Measure) is invalid	Ensure that UoM is mapped correctly in T006 and harmonized with the target system. Correct invalid values in the collection template and reload.
3	Material number exists and extended to required Plant and QM view	Verify that the Material exists in the target system and mapping is correctly maintained. Reprocess once mapping is updated.
4	Supplier exists in Target system	Verify that the Supplier exists in the target system and mapping is correctly maintained. Reprocess once mapping is updated.

Post-Load Validation

Project Team

Completeness

Task	Action

Validate Record count in the backend	Validate all tables with prefix “QINF” has the same records as the loading file
Display Records	Pick up a few random Material Listing or Material Exclusions, and run t-code: QI03 to validate the QIR and can be displayed without any error.
Perform Source-to-Target Comparisons	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	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	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.
- Quality info records 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. 25)	**Feb 24, 2026 11:41**	**REDDY-ext, Naren**	Removed the CUI object statement from Purpose
v. 24	Feb 17, 2026 14:24	**REDDY-ext, Naren**	Updated Long text DCT fields
v. 23	Feb 17, 2026 14:22	**REDDY-ext, Naren**	
v. 22	Feb 17, 2026 13:27	**REDDY-ext, Naren**	Update the Mapping DCT column and DCT template with check tables, actions
v. 21	Feb 10, 2026 11:32	**REDDY-ext, Naren**	Updated DCT Rules
v. 20	Feb 08, 2026 16:04	**REDDY-ext, Naren**	Section DCT : Added DCT template and link
v. 19	Nov 28, 2025 14:55	**REDDY-ext, Naren**	Updated the Validation reports link(Post load validation)
v. 18	Nov 27, 2025 12:30	**REDDY-ext, Naren**	Removed STXH-TDLOCK, STXL-TDSPO from transformation rules
v. 17	Nov 17, 2025 02:52	**REDDY-ext, Naren**	Removed the STXH-TDLOCK field in Transformation rules
v. 16	Oct 31, 2025 09:39	**REDDY-ext, Naren**	

Go to Page History

Workflow history

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

From Nov 17, 2025 to Feb 24, 2026	Actor	Type	Activity	Version
Approved	REDDY-ext, Naren	Edit	updated the page at 2:52 am	
Nov 10, 2025				
	MUTHUSAMY-ext, Kunalan	State	changed state to Approved at 3:01 pm	v16
Lead Approval	MUTHUSAMY-ext, Kunalan	State	gave *POD Lead Review* approval at 3:01 pm	
Oct 31, 2025				
	SUSANTO-ext, William	State	changed expiry date to '07 Nov, 2025 10:49 am' at 10:49 am	
		State	changed state to Lead Approval at 10:49 am	v16
Tech Review	SUSANTO-ext, William	State	changed expiry date to '05 Nov, 2025 10:49 am' at 10:49 am	

State	changed state to	Tech Review at 10:49 am	v16