

# CNV-1007 Catalog Code Groups & Codes

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## Purpose

The purpose of this document is to define the conversion approach to create Catalog Code Groups and Codes in S/4 HANA.

Catalog Code Groups and Codes are part of the classification system. They help categorize and standardize data for reporting, analysis, and operational purposes.

A Code Group is a collection of related codes that belong to a specific catalog. It organizes codes into logical groups for easier management and selection.

A Code is an individual entry within a code group that represents a specific value or description. It is used to classify or describe an task, damage, or cause.

Syensqo utilizes Catalog Code Group and Codes within the SAP S/4HANA system to define and manage its assets' Object Type, Cause, Action, Failure mode and Task.

## Conversion Scope

The scope of this document covers the approach for migrating active Catalog Code Groups and Codes into S/4 HANA following the Catalog Code Groups and Codes Master Data Design Standard.

The conversion of Catalog Code Groups and Codes follows the endorsed EAM Core Data Design describing the Asset Identification Methodology.

Catalog Code Groups and Codes Data from legacy will consolidated based on the S/4 HANA design and will be constructed via a common DCT which is target ready. This also means multiple GBU could be using the same Catalog Code Groups and Codes based on the Asset Identification Methodology.

There will not be a direct conversion from legacy to S/4 HANA, however there will be a mapping to ensure all the valid and active legacy Catalog Code Groups and Codes are considered for data migration.

The data from legacy system includes:

1. All active Catalog Code Groups and Codes defined in the source systems (QPGR.STATUS = 2)

The data from legacy system excludes:

1. All inactive Catalog Code Groups and Codes defined in the source systems (QPGR.STATUS <> 2)

For reference, the Catalog Code Groups and Codes in S/4 HANA are not transformed based on the legacy mapping, but they are derived based on the logic of the Asset Identification Methodology.

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	<p>Catalog Code Groups and Codes will be collected via DCT. An initial extract of the relevant Catalog Code Groups and Codes will be provided in google sheet format to assist business in decision making on including any relevant Catalog Code Groups and Codes from PF2 and WP2 as Catalog Code Groups and Codes in S/4 HANA.</p> <p>Any additional Catalog Code Groups and Codes that need to be created to support the new design may be added in the DCT.</p> <p>A review and standardization will be done across all Catalog Code Groups and Codes in the DCT.</p> <p>Please see an indication of what will be baselined from source systems below and what will be constructed in the DCT.</p>	40,000	S/4HANA	40,000

## Additional Information

## Multi-language Requirement

Catalog Code Groups and Codes description will be made available in English.

Multi language is supported for Catalog Code Groups and Code. Login via a different language will have its description displayed in the logon language if the language key is maintained in the Catalog Code Groups and Code.

## Document Management

Not Applicable

## Legal Requirement

Not Applicable

## Special Requirements

Not Applicable

## Target Design

The technical design of the target for this conversion approach.

### 1. Catalog Code Group

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QPGR	KATALOGART	QKATART	Catalog	CHAR	1	Mandatory
QPGR	CODEGRUPPE	QCODEGRP	Code Group	CHAR	8	Mandatory
QPGR	STATUS	QLOESCHKZ1	Status of Master Record	CHAR	1	Mandatory

### 2. Catalog Code Group Short Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QPGT	KATALOGART	QKATART	Catalog	CHAR	1	Mandatory
QPGT	CODEGRUPPE	QCODEGRP	Code Group	CHAR	8	Mandatory
QPGT	SPRACHE	SPRAS	Language	CHAR	1	Mandatory
QPGT	KURZTEXT	QKTEXTGR	Short Text	CHAR	40	Mandatory

Note: Each Catalog Code Group must have 1 entry for each language in scope: English, French, Italian, Mandarin, Brazilia Portuguese, German and Spanish

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### ~~3. Catalog Code Group Long Text~~

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QPGR	KATALOGART	QKATART	Catalog	CHAR	1	Mandatory
QPGR	CODEGRUPPE	QCODEGRP	Code Group	CHAR	8	Mandatory
STXL	TDSPRAS	SPRAS	Language Key	LANG	1	Mandatory
STXL	LONGTEXT	-	Long Text	CHAR	Unrestricted	Mandatory

Note:

1. Long Text is not mandatory, only load when there is data

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#### 4. Catalog Code

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QPGR	KATALOGART	QKATART	Catalog	CHAR	1	Mandatory
QPGR	CODEGRUPPE	QCODEGRP	Code Group	CHAR	8	Mandatory
QPCT	CODE	QCODE	Code	CHAR	4	Mandatory

Note: Each Catalog Code Group must have at least 1 entry for Catalog Code

#### 5. Catalog Code Short Text

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
QPGR	KATALOGART	QKATART	Catalog	CHAR	1	Mandatory
QPGR	CODEGRUPPE	QCODEGRP	Code Group	CHAR	8	Mandatory
QPCT	CODE	QCODE	Code	CHAR	4	Mandatory
QPCT	SPRACHE	SPRAS	Language	CHAR	1	Mandatory
QPCT	KURZTEXT	QTXTEXT_CODE	Short Text for Code	CHAR	40	Mandatory

Note: Each Catalog Code must have 1 entry for each language in scope: English, French, Italian, Mandarin, Brazilian Portuguese, German and Spanish

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#### ~~6. Catalog Code Long Text~~

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
<del>QPGR</del>	<del>KATALOGART</del>	<del>QKATART</del>	<del>Catalog</del>	<del>CHAR</del>	<del>4</del>	<del>Mandatory</del>
<del>QPGR</del>	<del>CODEGRUPPE</del>	<del>QCODEGRP</del>	<del>Code Group</del>	<del>CHAR</del>	<del>8</del>	<del>Mandatory</del>
<del>QPCT</del>	<del>CODE</del>	<del>QCODE</del>	<del>Code</del>	<del>CHAR</del>	<del>4</del>	<del>Mandatory</del>
<del>STXL</del>	<del>TDSRAS</del>	<del>SPRAS</del>	<del>Language Key</del>	<del>LANG</del>	<del>4</del>	<del>Mandatory</del>
<del>STXL</del>	<del>LONGTEXT</del>	<del>-</del>	<del>Long Text</del>	<del>CHAR</del>	<del>Unrestricted</del>	<del>Mandatory</del>

Note:

1. Long Text is not mandatory, only load when there is data

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Catalog Code Groups and Codes Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Catalog Code Groups and Codes information follows the Master Data Standard document that is located [here](#).

## Data Cleansing

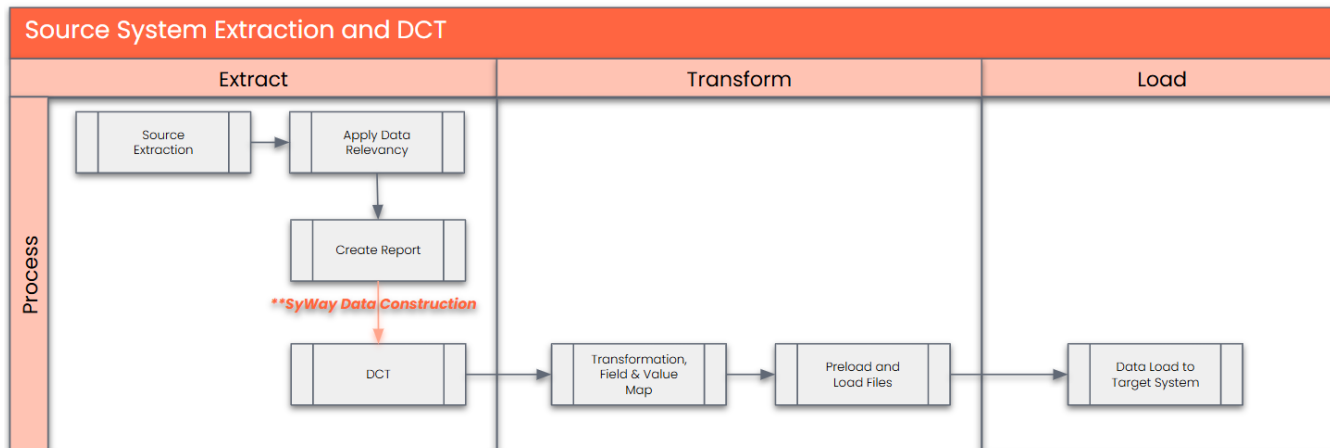
No data cleansing is required for Catalog Code Groups and Codes in the legacy system. If any cleansing is deemed necessary, it will be performed outside of the system.

As a result, the cleansed Catalog Code Groups and Codes data will be populated directly in the Data Collection Template (DCT).

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
		Not Applicable			

# Conversion Process

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



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

- For new Catalog Groups and Codes that need to be created to support the to-be design

## 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
1	Extract data from source system based on relevancy rule	SyWay Data Team
2	Google Sheet report pre-populated with PF2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team

## Selection Screen

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

## Data Collection Template (DCT)

Target Ready Data Collection Template will be created for data with exception of some fields which require transformation as mentioned in the transformation rule.

1. The extracted report will be loaded into the required structure using the DCT.
2. Standardization activities (including deduplication, standardization and additions) will be carried out within the DCT.

*Delta Data Management: Initial collection will be done via the report and one-time load to the DCT will be performed. Any delta after the initial collection within the DCT will require business to take due diligence to ensure any subsequent delta cleansing is verified and aligned within the DCT.*

**Note:** All rules specified below should be documented as a **tooltip** in the DC Page.

Format:

- **Line 1:** Mandatory / Conditional
- **Line 2:** Remaining text

**1. Catalog Code Group Data Construction Rules**

Field Name	Field Description	Rule
KATALOGART	Catalog	Mandatory  Allowed values from: TQ15-KATALOGART limited to:  D – Notification Failure Mode Group B – Notification Item (Object Part) C – Notification Item (Damage) 5 – Notification Cause A – Notification Activities 2 – Management of Change Notifications (Task) 3 – Qualitative Measuring Point (Usage Decision)
CODEGRUPPE	Code Group	Mandatory  Follow Naming Convention:  X (First character for Code Group Prefix)-NN (Technical Object Type)-NN (Sequential Number)  1. The Code Group Prefix must match the following mapping: OTH_Catalog Code Group Prefix  2. The Technical Object Type must exist in the following value mapping: OTH-Catalog Profile_Technical Object Type_Naming Convention

<p>KURZTEX T_EN</p>	<p>Short Text (English)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same English language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
<p>KURZTEX T_FR</p>	<p>Short Text (French)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

<p>KURZTEX T_IT</p>	<p>Short Text (Italian)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
<p>KURZTEX T_ZH</p>	<p>Short Text (Mandarin)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same Mandarin language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

KURZTEX T_PT	Short Text (Brazilian Portuguese)	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
KURZTEX T_DE	Short Text (German)	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

KURZTEXT_ES	Short Text (Spanish)	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code Groups cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
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**2. Catalog Code Group Long Text Data Construction Rules**

Field-Name	Field-Description	Rule
KATALOGART	Catalog	<p>Mandatory</p> <p>Key to link to Catalog Code Group</p>
CODEGRUPE	Code Group	<p>Mandatory</p> <p>Key to link to Catalog Code Group</p>
TDSPRAS	Language Key	<p>Mandatory</p> <p>Must be either one of the following: English (E), French (F), Italian (I), Mandarin (1), Brazilian Portuguese (P), German (D) and Spanish (S)</p>
LONGTEXT	Long Text	<p>Mandatory</p> <p>Free Text</p>

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**3. Catalog Code Data Construction Rules**

Field Name	Field Description	Rule
KATALOGART	Catalog	<p>Mandatory</p> <p>Key to link to Catalog Code Group</p>

CODEGR UPPE	Code Group	Mandatory Key to link to Catalog Code Group
CODE	Code	Mandatory Follow Naming Convention: NN(Last 2 number in Code Group)NN(Sequential Number).
KURZTEX T_EN	Short Text (English)	Mandatory Text must be translated according to the language key Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same English language key text) Ensure that it does not include any of below characters: ;    Semi-colon :    Colon ::    Double Colon ?    Question Mark /    Forward Slash @    At sign &    Ampersand =    Equal Sign +    Plus Sign \$    Dollar Sign %    Percent      Vertical Bar []    Left or Right Square Bracket "    Double Quotes

<p>KURZTEX T_FR</p>	<p>Short Text (French)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same French language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
<p>KURZTEX T_IT</p>	<p>Short Text (Italian)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same Italian language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

<p>KURZTEX T_ZH</p>	<p>Short Text (Mandarin)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same Mandarin language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
<p>KURZTEX T_PT</p>	<p>Short Text (Brazilian Portuguese)</p>	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same Brazilian Portuguese language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

KURZTEX T_DE	Short Text (German)	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same German language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>
KURZTEX T_ES	Short Text (Spanish)	<p>Mandatory</p> <p>Text must be translated according to the language key</p> <p>Cannot have duplicate records based on corresponding language text (2 Catalog Code cannot have the same Spanish language key text)</p> <p>Ensure that it does not include any of below characters:</p> <ul style="list-style-type: none"> <li>; Semi-colon</li> <li>: Colon</li> <li>:: Double Colon</li> <li>? Question Mark</li> <li>/ Forward Slash</li> <li>@ At sign</li> <li>&amp; Ampersand</li> <li>= Equal Sign</li> <li>+ Plus Sign</li> <li>\$ Dollar Sign</li> <li>% Percent</li> <li>  Vertical Bar</li> <li>[] Left or Right Square Bracket</li> <li>" Double Quotes</li> </ul>

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**4. Catalog Code Long Text Data Construction Rules**

Field-Name	Field-Description	Rule
KATALOGART	Catalog	Mandatory Key to link to Catalog Code
CODEGRUPPE	Code Group	Mandatory Key to link to Catalog Code
CODE	Code	Mandatory Key to link to Catalog Code
TDSPRAS	Language Key	Mandatory Must be either one of the following: English (E), French (F), Italian (I), Mandarin (1), Brazilian Portuguese (P), German (D) and Spanish (S)
LONGTEXT	Text Line	Mandatory Free Text

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#### 5. Mapping for Catalog Code Group and Code Data Construction Rules

Field Name	Field Description	Rule
ZLEGACYKATALOGART	Legacy Catalog	Mandatory Combination of Legacy Catalog, Legacy Code Group and Legacy Code must exist in PF2/WP2. Legacy Catalog, Legacy Code Group and Legacy Code must be unique.
ZLEGACYCODEGRUPPE	Legacy Code Group	Mandatory Combination of Legacy Catalog, Legacy Code Group and Legacy Code must exist in PF2/WP2. Legacy Catalog, Legacy Code Group and Legacy Code must be unique.
ZLEGACYCODE	Legacy Code	Mandatory Combination of Legacy Catalog, Legacy Code Group and Legacy Code must exist in PF2/WP2. Legacy Catalog, Legacy Code Group and Legacy Code must be unique.
KATALOGART	Catalog	Mandatory Allowed values from: TQ15-KATALOGART limited to: D – Notification Failure Mode Group B – Notification Item (Object Part) C – Notification Item (Damage) 5 – Notification Cause A – Notification Activities 2 – Management of Change Notifications (Task) 3 – Qualitative Measuring Point (Usage Decision) Combination of Catalog, Code Group and Code must exist in Catalog Code DCT.
CODEGRUPPE	Code Group	Mandatory Combination of Catalog, Code Group and Code must exist in Catalog Code DCT.

CODE	Code	Mandatory  Combination of Catalog, Code Group and Code must exist in Catalog Code DCT.
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Note: List of DCTs is maintained here: [Conversion Specs Register \(DCT & Cleansing Report\)](#).

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## Extraction Dependencies

Item #	Step Description	Team Responsible
	Not applicable	

## Transformation

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

## Transformation Run Sheet

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

## Transformation Rules

### 1. Catalog Code Group

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGR	STATUS	Status of Master Record	Default to "2"

### 2. Catalog Code Group Short Text

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping

2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "E"
4	DCT	QPGT	KURZTEXT_EN	Short Text (English)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "F"
4	DCT	QPGT	KURZTEXT_FR	Short Text (French)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "I"
4	DCT	QPGT	KURZTEXT_IT	Short Text (Italian)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "1"
4	DCT	QPGT	KURZTEXT_ZH	Short Text (Mandarin)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "P"
4	DCT	QPGT	KURZTEXT_PT	Short Text (Brazilian Portuguese)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "D"
4	DCT	QPGT	KURZTEXT_DE	Short Text (German)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGT	KATALOGART	Catalog	S/4 Hana	QPGT	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGT	CODEGRUPPE	Code Group	S/4 Hana	QPGT	CODEGRUPPE	Code Group	Direct Mapping
3	-	-	-	-	S/4 Hana	QPGT	SPRACHE	Language	Default to "S"
4	DCT	QPGT	KURZTEXT_ES	Short Text (Spanish)	S/4 Hana	QPGT	KURZTEXT	Short Text	Direct Mapping

</Start CR0281>

### 3. Catalog Code Group Long Text Line

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	STXL	TDSPRAS	Language Key	S/4 Hana	STXL	TDSPRAS	Language Key	Direct Mapping
4	DCT	STXL	LONGTEXT	Long Text	S/4 Hana	STXL	LONGTEXT	Long Text	Direct Mapping

</End CR0281>

### 4. Catalog Code

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping

### 5. Catalog Code Short Text

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "E"
5	DCT	QPCT	KURZTEXT_EN	Short Text (English)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "F"
5	DCT	QPCT	KURZTEXT_FR	Short Text (French)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "I"
5	DCT	QPCT	KURZTEXT_IT	Short Text (Italian)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "1"
5	DCT	QPCT	KURZTEXT_ZH	Short Text (Mandarin)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "P"
5	DCT	QPCT	KURZTEXT_PT	Short Text (Brazilian Portuguese)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "D"
5	DCT	QPCT	KURZTEXT_DE	Short Text (German)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

UNION

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	-	-	-	-	S/4 Hana	QPCT	SPRACHE	Language	Default to "S"
5	DCT	QPCT	KURZTEXT_ES	Short Text (Spanish)	S/4 Hana	QPCT	KURZTEXT	Short Text for Code	Direct Mapping

</Start CR0281>

## 6. Catalog Code Long Text Line

Rule #	Source-system	Source-Table	Source-Field	Source-Description	Target-System	Target-Table	Target-Field	Target-Description	Transformation-Logic
1	DCT	QPGR	KATALOGART	Catalog	S/4 Hana	QPGR	KATALOGART	Catalog	Direct Mapping
2	DCT	QPGR	CODEGRUPPE	Code Group	S/4 Hana	QPGR	CODEGRUPPE	Code Group	Direct Mapping
3	DCT	QPCT	CODE	Code	S/4 Hana	QPCT	CODE	Code	Direct Mapping
4	DCT	STXL	TDSPRAS	Language Key	S/4 Hana	STXL	TDSPRAS	Language Key	Direct Mapping
5	DCT	STXL	LONGTEXT	Long Text	S/4 Hana	STXL	LONGTEXT	Long Text	Direct Mapping

</End CR0281>

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

## Transformation Mapping

Mapping Table Name	Mapping Table Description
Catalog Code Group and Code	Mapping of legacy Catalog Code Group and Code to S/4 HANA Catalog Code Group and Code
OTH_Informal Words	List of Informal Words and the words used to replace
OTH_Informal Characters	List of Informal Characters
OTH-Catalog Profile_Technical Object Type_Naming Convention	List of technical object type with the Catalog Profile naming convention
OTH_Catalog Code Group Prefix	List of Catalog Type and the Code Group prefix

## Transformation Dependencies

List the steps that need to occur before transformation can commence

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

## Pre-Load Validation

### Project Team

### Completeness

Task	Action
Verify Record Count	Data team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets.

### Accuracy

Task	Action
------	--------

Conversion Accuracy	Data team to verify that all fields below meet pass the checks: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks
Review error reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

## Business

### Completeness

Task	Action
Verify Record Count	Business team to verify that the total number of relevant records from the source systems is equal to the total number of records in the Preload and Load Sheets.

### Accuracy

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

## Load

The load process includes:

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

### 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 re-upload 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

Pre-Cutover

## Configuration

Item #	Configuration Item
1	T002-Language Key
2	TQ15-Catalog

## Conversion Objects

Object #	Preceding Object Conversion Approach
	Not Applicable

## Error Handling

Error Type	Error Description	Action Taken
Configuration	Invalid Language Key	Engage Functional team to expedite and fix the error in the system
Configuration	Invalid Catalog	Engage Functional team to expedite and fix the error in the system

## Post-Load Validation

### Project Team

### Completeness

Task	Action
Verify Count	Data team to verify the record count created in target S/4 HANA by accessing post load reports in dspMigrate or standard reports from S/4 HANA.
Verify Logs	Check if there is data that failed to load and perform the necessary actions (e.g. register as post load issue, or attempt to load the record again, etc.).

### Accuracy

Task	Action
Conversion Accuracy	Data team to verify that the Catalog Code Groups and Codes 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 Catalog Code Groups and Codes data in target S/4 HANA were loaded correctly via dspMigrate post load reports or standard reports from S/4 HANA.

## Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- 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.
- </Start CR0281> Long Texts data is not in scope for this object </End CR0281>

## See also

## Change log

Version	Published	Changed By	Comment
<b>CURRENT (v. 103)</b>	<b>Mar 13, 2026 07:26</b>	<b>PUN-ext, Eddy</b>	
v. 102	Mar 11, 2026 13:15	PUN-ext, Eddy	
v. 101	Feb 02, 2026 14:41	PUN-ext, Eddy	
v. 100	Feb 02, 2026 14:38	PUN-ext, Eddy	
v. 99	Feb 02, 2026 14:35	PUN-ext, Eddy	
v. 98	Jan 30, 2026 14:31	PUN-ext, Eddy	
v. 97	Jan 30, 2026 14:31	PUN-ext, Eddy	
v. 96	Jan 29, 2026 14:12	PUN-ext, Eddy	
v. 95	Jan 29, 2026 14:09	PUN-ext, Eddy	CR0280-Additional DCTs for Approved Conversion Specs
v. 94	Jan 29, 2026 14:08	PUN-ext, Eddy	

[Go to Page History](#)

## Workflow history

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