

CNV-1024 Project Definition

Status	Approved
Owner	NADAR-ext, Parvati
Stakeholders	KOHN-ext, Jacob STEFANESCU-ext, Aurelia VAN DE REE-ext, Ramon UPADHYAY-ext, Anjali

Purpose

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

In SAP PS, the project definition acts as a framework that provides a binding structure for organizational element of a project, such as Work Breakdown Structures. It serves as the top-level element for creating a project, defining default values for company code, plant, and responsible persons, and is essential for structuring, planning, and controlling all aspects of a project, from initiation to closure.

Conversion Scope

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

As per SyWay design, there are two ways to create an Operative Project definition based on the scenarios,

Scenario 1: PS Project definition with WBS element hierarchy (Level 1 & 2) can be automatically created from the approved PPM item once stage-gate 1 is approved. This process involves mapping the PPM item type to a predefined PS template project (created as per CVN-1019 Template Projects) with the Decision Flow Management settings in the SAP system.

A project definition is automatically created for the specified PPM item types, using the corresponding project profile and applicable project coding mask. The conversion approach is defined with in [CNV-1022 Portfolio Item](#).

All project definition (new project profile ZPS0001, ZPS0002) relevant to PPM item type linking will be created from PPM items and is excluded from this conversion scope.

Scenario 2: A project definition created manually independent of the PPM item, with the data being sourced using a DCT (Data Collection Template).

Conversion scope includes all projects that belong to Scenario 2, except statistical expense project. Statistical projects (with project profile ZPS0003 - Statistical Expense) are created as needed in S/4 Hana

Below project profiles are configured to allow the creation of a project definition directly in the Project System, without requiring integration with a Portfolio and Project Management (PPM) item.

PS Project Profile	PRJID	PS Coding Mask	DCT
ZPS0004 - Intercompany Recharges	F	-000000-00-00-XX-XX-XX	One Project per CoCode
ZPS0005 - Provisional Expense	F	-000000-00-00-XX-XX-XX	One project per company code per GBU(profit centre)

The conversion will ensure all projects are aligned to the defined project coding mask and relevant Organizational Units as designed for the target S/4 Hana landscape.

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
DCT			S/4 Hana	TBD

Additional Information

Multi-language Requirement

Project definition, should be maintained in if available:

- English (EN)
- French (FR)
- Italian (IT)
- Chinese (ZN)

Document Management

Not Applicable

Legal Requirement

Not Applicable

Special Requirements

Not Applicable

Target Design

The technical design of the target for this conversion approach.

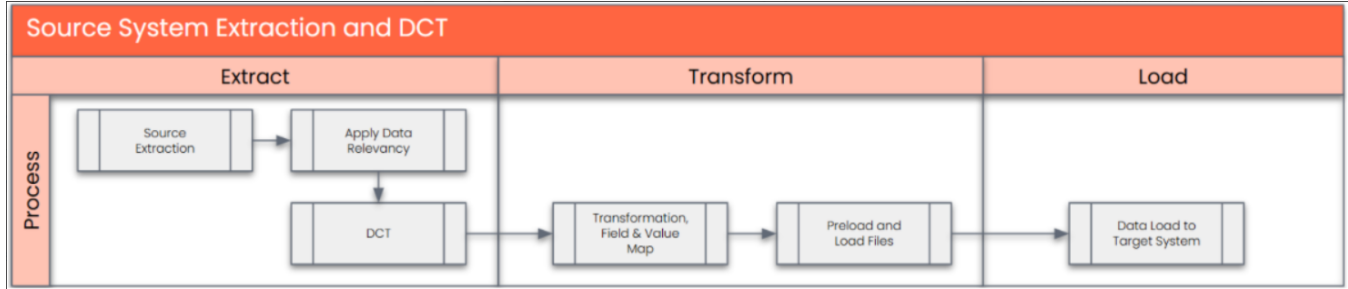
Table	Field	Data Element	Field Description	Data Type	Length	Requirement
PROJ	PSPID	PS_PSPID	Project definition	CHAR	24	Mandatory
PROJ	POST1	PS_POST1	Description	CHAR	40	Mandatory
PROJ	STSPR	PS_STSPR	WBS status profile	CHAR	8	System Generated
PROJ	VERNR	PS_VERNR	No. of Person Resp.	NUM	8	Mandatory
PROJ	ASTNR	PS_ASTNR	Applicant no.	CHAR	25	Mandatory
PROJ	VBUKR	PS_VBUKR	Company code	CHAR	4	Mandatory
PROJ	VKOKR	PS_VKOKR	Controlling area	CHAR	4	System Generated
PROJ	PRCTR	PRCTR	Profit Center	CHAR	10	Mandatory
PROJ	PWHIE	PS_PWHIE	Project Currency	CHAR	5	System Generated
PROJ	PLFAZ	PS_PLFAZ_CHG	Start date	DATS	8	Mandatory
PROJ	PLSEZ	PS_PLSEZ_CHG	Finish date	DATS	8	Conditional
PROJ	WERKS	WERKS_D	Plant	CHAR	4	Conditional
PROJ	KALID	FABKL	Factory Calendar	CHAR	2	System Generated
PROJ	PROFL	PROFIDPROJ	Project Profile	CHAR	7	Mandatory
PROJ	BPROF	BP_BPROFIL	Budget Profile	CHAR	6	System Generated
PROJ	BESTA	PS_BESTAND	Project stock	CHAR	1	System Generated
PROJ-	XSTAT	PS_XSTAT	Statistical	CHAR	1	Conditional
PROJ	PPROF	BP_PPROFIL	Planning Profile	CHAR	6	System generated
PROJ	PLINT	PLINT	Integrated Planning	CHAR	1	System generated
PROJ	FUNC_AREA	FKBER	Functional Area	CHAR	16	Mandatory
PROJ	USR00	USRCHAR20	Legacy Project ID	CHAR	20	Blank
PROJ	USR02	USRCHAR10	Item Type	CHAR	10	Blank

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
	C2	All active internal orders to be closed		Report	WP2/PF2

Conversion Process

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



Data Privacy and Sensitivity

Not Applicable

Extraction

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	Ensure DCT is collected for Project Definition	Data Team (I2M), Data Team (Syniti)
2	Perform preliminary completeness check	Technical / Basis Team, Data Team (Syniti)
3	Raise issues as defects if Req # 1 to 2 are not met	Data Team (Syniti)
4	Repeat Req # 1 to 3 if required)	Data Team (I2M), Data Team (Syniti)

Selection Screen

Not Applicable

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 Project Definitions data with exception of some fields which require transformation as mentioned in the transformation rule.

DCT applicable to project created manually, with project profile, PROJ-PROFL

- Recharge Cost Collectors - Expense Project - Project profile ZPS0004
- Provision Cost collectors - Expense Projects - Project Profile ZPS0005

Field Name	Field Description	Rule
PSPID	Project definition	Unique Identifier for the project definition via coding mask starting with "F-000000". 1. Recharge Cost Collectors - Expense Project wth Project profile ZPS0004 2. Provision Cost collectors - Expense Projects with Project Profile ZPS0005 It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
POST1	Description	Short description, Name of the Project It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template

STSPR	WBS status profile	Profile used to Control User Statuses. Automatically Inherited from the Project Profile. Change not allowed.
VERNR	No. of Person Resp.	Project Owner Position number Refer configuration table field TCJ04-PS_VERNR for data validation. It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
ASTNR	Applicant no.	This field represent the position of the Project Financial Controller. Refer configuration table field TCJ05-ASTNR for data validation. It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
VBUKR	Company code	Represents legal entity . Refer configuration table field T001-BURKS for data validation. One project per company code per GBU(profit centre) for Provisional Project with profile ZPS0005 One project per company code for Recharge project with profile ZPS0004 It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
PRCTR	Profit Center	Profit Center represent a plant or a site or generic for GBU. Refer master data table field CEPC-PRCTR for allowed values. One project per company code per GBU(profit centre) for Provisional Project with profile ZPS0005
PLFAZ	Start date	Planned Start date of the Project. It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
PLSEZ	Finish date	Planned finish date of the Project, Conditional
WERKS	Plant	Plant represent a site of Project. Conditional
PROFL	Project Profile	The profiles contain default values and control parameters for processing objects and functions in the Project System. Allowed Project Profiles for creation of Project definition: ZPS0004 - Recharge Projects ZPS0005 - Provisional Projects It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
FUNC_AR EA	Functional Area	Refer configuration table field TFKB-FKBER for allowed values." It is a Required Field: Preload Check to be done to confirm that this is field in the Data Collection Template
USR00	Legacy Project ID	It remains blank for Project Profiles ZPS0004 & ZPS0005
USR02	Item Type	It remains blank for Project Profiles ZPS0004 & ZPS0005 PROJ-USR02 = Blank.
	Instance	Instance where the project definition is to be loaded. (Field required in DCT)

In conjunction with DCT business user will be provided with Person Responsible / Applicant list for reference.

Extraction Dependencies

Item #	Step Description	Team Responsible
	Not Applicable	Data Team

Transformation

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	Data Team
2	Execute and Load and perform Transformation	Data Team
3	Monitor the transformation progress and ensure performance and completion is within allowed timeframe	Data Team
4	Review and Validate Error and Preload Reports	Data Team
5	Generate data load count.	Data Team
6	Generate Load Files	Data Team
7	Log errors as defects, if any and address resolutions. Close defects.	Data Team
8	Re-transform and re-validate the Pre-load reports if necessary.	Data Team
9	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
10	Analyze and resolve any pre-load defects logged by business.	Data Team
11	Repeat steps 7 to 10 if necessary	Data Team
12	Proceed to pre-load validations	Data Team

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
	DCT		PSPID	Project definition	S/4	PROJ	PSPID	Project ID	Mapping from source
	DCT		USR00	Legacy Project ID	S/4	PROJ	USR00	Legacy Project ID	Blank
	DCT		POST1	Description	S/4	PROJ	POST1	Description	Copy from source
	DCT				S/4	PROJ	STSPR	WBS status profile	Inherit from Project Profile
	DCT		VERNR	No. of Person Resp.	S/4	PROJ	VERNR	No. of Person Resp.	Copy from source
	DCT		ASTNR	Applicant no.	S/4	PROJ	ASTNR	Applicant no.	Copy from source
	DCT		VBUKR	Company code	S/4	PROJ	VBUKR	Company code	Mapping from source: Company Code Old to new
	DCT				S/4	PROJ	VKOKR	Controlling area	Default from project profile
	DCT		PRCTR	Profit Center	S/4	PROJ	PRCTR	Profit Center	Mapping from source: Profit Center Old to new
	DCT				S/4	PROJ	PWHIE	Project Currency	Mapping from Company Code
	DCT		PLFAZ	Start date	S/4	PROJ	PLFAZ	Start date	Copy from source
	DCT		PLSEZ	Finish date	S/4	PROJ	PLSEZ	Finish date	Copy from source
	DCT				S/4	PROJ	KALID	Factory Calendar	Mapping from Plant
	DCT		PROFL	Project Profile	S/4	PROJ	PROFL	Project Profile	Copy from source
	DCT				S/4	PROJ	BPROF	Budget Profile	Inherit from Project Profile
	DCT				S/4	PROJ	BESTA	Project stock	Inherit from Project Profile
	DCT				S/4	PROJ	PPROF	Planning Profile	Inherit from Project Profile
	DCT				S/4	PROJ	PLINT	Integrated Planning	Inherit from Project Profile
	DCT		FUNC_AREA	Functional Area	S/4	PROJ	FUNC_AREA	Functional Area	Copy from source

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

The standard upload template to be used for Project Definition (Project Details template) upload in S/4 Hana.

[Standard Upload template](#)

Transformation Mapping

Mapping Table Name	Mapping Table Description
Company Code	Value Mapping: Old to New Company Code
T001	Value Mapping: Currency From Company Code
Plant	Value Mapping: Old Plant to New
Profit Center	Value Mapping: Profit Center Old to New
Person Responsible / Applicant	New Position to person name

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
	Ensure all the fields and values are imported into ADM Construction page correctly	Data Team
	Profit centers has been created (CEPC)	

Pre-Load Validation

Project Team

Completeness

Task	Action
Generation of Pre-load report	<i>Check all the required fields</i>
Verify Record Count	SyWay I2M Data Team to verify that the total number of relevant records from the DCT is equal to the total number of records in the Preload and Load Sheets.

Accuracy

Task	Action
Conversion Accuracy	SyWay I2M Data Team to verify that all fields below meet pass the checks: <ol style="list-style-type: none"> 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks 4. Text Length Checks 5. Project Ids aligned with different number ranges per instance.
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 (DCT) data.

Business

Completeness

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

Accuracy

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

Load

The load process includes:

1. Execute the automated data load into target system using load tool or product the load file if the load must be done manually
2. 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 using transaction CNMASSCREATE or Migration cockpit	Data Team
2	Load 3 records for < > to validate if data is loaded successfully without errors	Data Team
3	Load 3 records for < > to validate if data is loaded successfully without errors	Data Team
4	Proceed with full load if steps 2 and 3 are validated	Data Team
5	Validate few records loaded by accessing CN41N report	Data Team
6	Generate post load report if step 5 is validated	Data Team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	Controlling Area
2	Company Code
3	Factory Calendar
4	Currency Code
5	Project Profile
6	Budget Profile
7	Planning Profile
8	Functional Area
9	Profile for WBS scheduling
10	Project Coding Mask
11	Settlement Profile

Conversion Objects

Object #	Preceding Object Conversion Approach
1073	Profit Centre

Error Handling

Error Type	Error Description	Action Taken
Invalid Data	Project Definition already exist	Correct upload data
Invalid Data	No. of Person Resp. does not exist	Correct upload data
Invalid Data	Applicant no. does not exist	Correct upload data
Invalid Data	Profit Centre does not exist	Correct upload data
Invalid Data	Company Code does not exist	Correct upload data
Invalid Data	Functional area does not exist	Correct upload data
Invalid Data	Two projects per company code not allowed for project with project profile ZPS0004 - Intercompany Recharges	Correct upload data

Post-Load Validation

Project Team

Completeness

Task	Action
Verify Count	SyWay I2M Data Team to verify the record count created in target S/4 HANA by accessing post load reports 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	Verify that the Project Definition in target S/4 HANA were loaded correctly via Project Builder display and table PROJ

Business

Completeness

Task	Action
Verify template Project data - Project Definition	Extract data from PS report CN41N in S/4 Hana

Accuracy

Task	Action
Verify template Project data - Project Definition	Extract data from PS report CN41N in S/4 Hana

Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Project Definition is in scope based on data design and any exception requested by business.

- The DCT should validate the project coding mask numbering as per the SAP instance config.
- Validation / substitution might required to switched off at the time of load

See also


Change log

Version	Published	Changed By	Comment
CURRENT (v. 35)	Apr 13, 2026 09:14	NADAR-ext, Parvati	
v. 34	Mar 23, 2026 06:54	NADAR-ext, Parvati	
v. 33	Mar 12, 2026 12:32	NADAR-ext, Parvati	
v. 32	Mar 09, 2026 19:43	NADAR-ext, Parvati	
v. 31	Oct 29, 2025 13:01	NADAR-ext, Parvati	
v. 30	Oct 29, 2025 12:04	NADAR-ext, Parvati	
v. 29	Oct 29, 2025 08:29	NADAR-ext, Parvati	
v. 28	Oct 29, 2025 07:57	UPADHYAY-ext, Anjali	
v. 27	Oct 29, 2025 07:56	UPADHYAY-ext, Anjali	
v. 26	Oct 28, 2025 15:48	NADAR-ext, Parvati	

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Workflow history

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

From Oct 29, 2025 to Apr 13, 2026	Actor	Type	Activity	Version
Approved	 NADAR-ext, Parvati	Edit	updated the page at 1:01 pm	
	UPADHYAY-ext, Anjali	State	changed state to Approved at 12:49 pm	v31
Lead Approval	UPADHYAY-ext, Anjali	State	gave <i>POD Lead Review</i> approval at 12:49 pm	
		State	changed expiry date to '05 Nov, 2025 12:49 pm' at 12:49 pm	
		State	changed state to Lead Approval at 12:49 pm	v31
Tech Review	UPADHYAY-ext, Anjali	State	changed expiry date to '03 Nov, 2025 12:49 pm' at 12:49 pm	
		State	changed state to Tech Review at 12:49 pm	v31
Peer Review	UPADHYAY-ext, Anjali	State	gave <i>Peer Review</i> approval at 12:49 pm	