

CNV-9033 Project Budget

Status	Approved
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Purpose

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

In the Syway Project budget is used to assign active availability control on Capital Projects while providing a binding financial plan for budget managed Operating Projects.

Conversion Scope

The scope of this document covers the approach to maintain Project Budgets in S/4HANA.

A report is executed to transfer budget from the PPM item, migrated as per [CNV-9035 Portfolio Item - Financial Plan](#), to Level 1 WBS elements and a DCT provides the option to distribute budget to Phase Level WBS elements where this is required.

Relevancy Criteria

The scope of migration is all projects created from PPM items, where the PPM item has Approved funding.

For Project (WBS Level 1) Budget - Migrate PPM item financial view Approved Funding(Object 9035), this to include budget for closed projects

Only Current overall budget will be loaded from legacy, without differentiation for applied variations.

For item types with phase level templates (eg Industrial Project with Qualification, Industrial Projects, IT Full Lifecycle Project, R&I New Product Introduction)

a DCT template will be provide to allow for budget distribution to phase level where this is required

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
S/4	PPM items with level 1 WBS elements	5000	S/4 Hana	5000
DCT	Budget for level 2 WBS elements	TBD	S/4 Hana	TBD

Budget to be loaded in the instance where WBS element is loaded.

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
BPGE	OBJNR	BP_OBJEKT	Object number	CHAR	22	Mandatory
BPGE	WRTPP	CO_WRTPP	Value Type	CHAR	2	Mandatory
BPGE	VERSN	BP_VERSION	Version	NUMC	4	Mandatory
BPGE	VORGA	BP_VORGANG	Budget Type	CHAR	4	Mandatory
BPGE	TWAER	TWAER	Transaction Currency	CUKY	5	Mandatory
BPGE	WTJHR	WTGES	Overall value in transaction currency	CURR	21	Mandatory

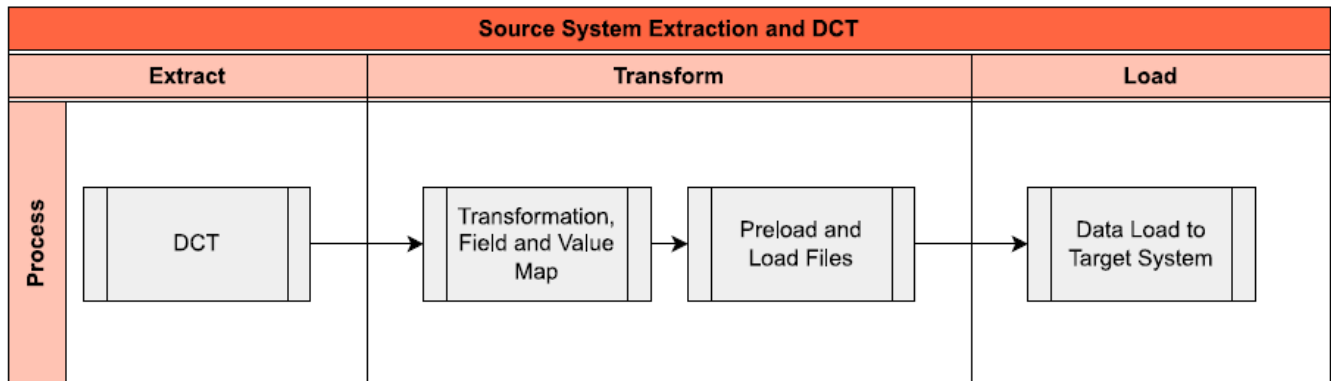
Data Cleansing

Cleansing is done on the master data objects to which the budgets relate, no specific budget cleansing is required.

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
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Conversion Process

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



Data Privacy and Sensitivity

Not Applicable

Extraction

Extract data from a source into 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	Ensure DCT is collected	Data Team
2	Perform preliminary completeness check, data quality check.	Data Team
3	Raise issues as defects if Req # 1 to 2 are not met	Data Team
4	Repeat Req # 1 to 3 if required	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 Project Budget data with exception of some fields which require transformation as mentioned in the transformation rule.

Project Budget DCT Rules

Completion of the DCT is only for Projects where assignment of budget is required at phase level.

Field Name	Field Description	Rule
PARENT	Item	The PPM items to which the phase is related. The values are restricted to PPM Items with Approved Funding values in CNV-9035 Portfolio Item - Financial Plan , This is a required field for capturing but not relevant for Preload validations.
PARENT_BUDGET	Level 1 Budget	Total approved funding The field displays the total Approved Funding for the item to which the WBS element is related. This is a calculated field assisting user with understanding the value available for assignment to the lower levels and is used in the preload validation of the Amount field.
POSID	WBS Element	This is a dropdown field of Phase level WBS Elements of the project selected. The values are restricted to the Level 2 WBS elements created in CNV-1022 and further restricted by the PARENT selected. This is a required field.
WTGES	Amount	The budget assigned to the phase Preload validation the Sum of Amount fields for all POSID's linked to the same PARENT may not be more than the PARENT_BUDGET

Extraction Dependencies

No extraction required

Item #	Step Description	Team Responsible
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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	Data team
2	Execute 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

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

The Standard template for the upload of Item financials that can be used for the upload of project budget, this includes ability to upload of custom fields, into S/4 Hana: [Item Budget Load File.xlsx - Google Sheets](#)

Transfer Item Budget to the Level 1 WBS element via a report which is run /RPM/CO_DOWNLOAD, execution of report is restricted By Portfolio ID and Lowest level bucket ID.

Execute report for all level 3 Buckets (DCT created for CNV-1113 and the Default Portfolio).

Once the above report has been execute the distribution of the budget to Level 2 WBS elements can be performed

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
	DCT	WBS	PSPID	WBS Element	S/4 Hana	BPGE	PSPID	WBS Element	Manually copy from Non ECC source
	DCT	WBS	WTGES	Amount	S/4 Hana	BPGE	WTGES	Amount	Manually copy from Non ECC source

					S/4 Hana	BPGE	VORGA	Budget Type	Default "KBUD"
					S/4 Hana	BPGE	TWAER	Currency	Select currency from PRPS for PSPID
					S/4 Hana	BPGE	WRTTP	Value Type	Default "41"

Transformation Mapping

No transformation mapping required

Mapping Table Name	Mapping Table Description
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Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
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Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Record Count	SyWay I2M Data Team to verify that the total number of relevant 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
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible.

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 produce 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	Execute standard program for transfer from PPM to PS	SyWay I2M Data Team
2	Validate few records loaded by accessing WBS Budget App	SyWay I2M Data Team
3	Generate post load report if step 2 is validated	SyWay I2M Data Team
4	Load WBS level 2 budget using custom or standard upload	SyWay I2M Data Team
5	Validate few records loaded by accessing WBS Budget App	SyWay I2M Data Team
6	Generate post load report if step 5 is validated	SyWay I2M Data Team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	PS Budget Profile

Conversion Objects

Object #	Preceding Object Conversion Approach
1026	WBS Element CAPEX/OPEX/STATISTICAL
9035	Portfolio Item - Financial Plan

Error Handling

Error Type	Error Description	Action Taken
Invalid Data	WBS element does not exist	Correct DCT values
Invalid Data	Budget Assigned to Lower level is greater than the Parent Budget	Investigate the reason for error and update DCT values accordingly

Post-Load Validation

Project Team

Completeness

Task	Action
Verify Count WBS	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. Report CJI8 can be used for this purpose.

Verify Logs WBS	Check if there is data that failed to load for PPM Item and perform the necessary actions (e.g. register as post load issue or attempt to the record again, etc.).
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Accuracy

Task	Action
Conversion Accuracy	Verify that the budget were loaded to S/4 HANA correctly via table BPGE or reort CJ18

Business

Completeness

Task	Action
Verify Count	Extract budget from Project Budget Fiori APP and compare record count to expected count.

Accuracy

Task	Action
Verify Accuracy	Extract budget from Project Budget Fiori APP and Verify budget for level 1 WBS elements align with related PPM items.
Verify Accuracy	Extract budget from Project Budget Fiori APP and Verify distributed budget for level 2 WBS elements align with expected values

Key Assumptions

- Project Budget is in scope based on data design and any exception requested by business.

See also






Change log

Version	Published	Changed By	Comment
CURRENT (v. 19)	Dec 08, 2025 14:08	KOHN-ext, Jacob	
v. 18	Dec 08, 2025 14:05	KOHN-ext, Jacob	
v. 17	Dec 08, 2025 14:02	KOHN-ext, Jacob	
v. 16	Nov 20, 2025 09:40	KOHN-ext, Jacob	
v. 15	Nov 19, 2025 14:18	KOHN-ext, Jacob	
v. 14	Nov 19, 2025 14:13	KOHN-ext, Jacob	
v. 13	Nov 19, 2025 13:08	KOHN-ext, Jacob	
v. 12	Nov 19, 2025 08:01	KOHN-ext, Jacob	
v. 11	Nov 17, 2025 16:00	KOHN-ext, Jacob	
v. 10	Nov 17, 2025 13:59	KOHN-ext, Jacob	

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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.

Dec 15, 2025	Actor	Type	Activity	Version
Approved	 TAN-ext, Charmaine	State	changed state to Approved at 1:52 pm (State override) <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	v19
Tech Review	 TAN-ext, Charmaine	State	gave <i>Minor change</i> approval at 1:52 pm <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	
Dec 10, 2025				
	 AGGARWAL-ext, Vikhyat	State	changed expiry date to '15 Dec, 2025 10:52 am' at 10:52 am	
		State	changed state to Tech Review at 10:52 am	v19
Peer Review	 AGGARWAL-ext, Vikhyat	State	gave <i>Peer Review</i> approval at 10:52 am	
	 NADAR-ext, Parvati	State	gave <i>Peer Review</i> approval at 7:49 am	