

KDD011 - Material Master Numbering Alignment

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Purpose

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

PPM Item: A PPM Item is a proxy of project in PPM which is used to plan, evaluate, and monitor Spend (Capex and Opex) within Syensqo's portfolio. In SyWay, PPM Item is created under the 3rd level bucket (functions) under GBU Bucket.

Conversion Scope

The scope of this document covers the approach for converting applicable active Projects to Portfolio Items from Legacy Source Systems into S/4HANA following the Portfolio Item Master Data Design Standard.

This is a completely new object for Syensqo, with the data being sourced using a DCT (Data Collection Template).

The templates will be prepopulated with relevant information from Capital and Budget Managed Operating PS Project Definitions in scope for migration but while these systems serve as sources, extensive construction will be necessary to produce properly formatted data load sheets for S/4 HANA.

The data from legacy system includes:

- Capital projects (e.g. Industrial, Facility IT and R&I) open as at migration date with postings in the last 3 years or has AUC balance.
- Budgeted Operating projects (e.g. Budgeted Maintenance, Marketing, Demolition projects) open as at migration date with postings in the last 3 years.
- Closed Capital Projects with postings within the agreed timeframe. (currently migration relevant is 2028)
- Closed Budgeted Operating projects with postings within the agreed timeframe. (currently migration relevant is 2028)
- Specifically also included are IT and R&I Projects (open as at migration date and (closed projects with postings the agreed timeframe) with postings in the last 3 years

The data from legacy system excludes

- Project Definition in out of scope Company Codes
- Project Definitions in out of scope Plants.
- Project which has deletion indicator set
- Project marked as closed

Also exclude, Operating Expense projects without budget, including the following proposed project profile in S/4:

- Open Project for Statistical Expenses - replaced by project definitions with profile ZPS0003 - Statistical Expense.
- Open Recharge Projects - replaced by project definitions with profile ZPS0004 - Intercompany Recharges.
- Open Project definitions with profile ZPS0005 - Provisional Projects.

The migration for these excluded Operating Expense project without budget is dealt with in [CNV-1024 Project Definition](#)

Additionally, there may be Items included in the DCT which does not have any existing Project Systems objects. as well as

Direct Asset purchases for which an Item is created for GBU/Company Code/Plant combination

Capital Spare for which an item is created for GBU/Company Code/Plant combination

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	Relevant Open PS Projects		S/4 Hana	TBD

WP2	Relevant Open PS Projects		S/4 Hana	TBD
DCT			S/4 Hana	TBD

Item is to be migrated into a single instance of S/4 Hana only with the determination of which instance dependent on the company code maintained in the area field of the item. Area will be maintained based upon the converted Company Code of the legacy Project Definition.

The PS Project definition with WBS element hierarchy (Level 1 & 2) is automatically created from the approved PPM item once stage-gate 1 is approved., the PS project structure is based on the configuration of PPM item type to a PS template project (created as per CVN-1019 Template Projects) with the Decision Flow Management settings in the SAP system. As per [CNV-1019 Template Project - SyWay Project - Syensqo - Wiki knowledge base](#). Program will be required to perform mass status change.

Relevancy Logic:

Table PROJ

Field "Company Code" in scope.

Field project profile not excluded.

Result: Object numbers of Project that are in company codes in scope.

Table JEST:

Field "Object number" = Key in the object numbers of Project

Field "Status Inactive" = blank, Then filter object number that has status I0046 (Closed). (for postings in the agreed timeframe)

Result closed projects.

Table PRPS

Field PSPHI For closed projects numbers, Result WBS numbers for

Table RPSCO / COSP:

Field "Object number" = Key in the object numbers of WBS

Field "Fiscal Year" = the agreed timeframe, (currently migration relevant is 2028)

Result = Object numbers that have cost in current year.

These WBS needs to be migrated.

Table BPGE

Using object number from PRPS (both open and closed)

If any WBS object has a record then project is seen to have a budget and is included

Additional Information

Multi-language Requirement

All item names and texts will be maintained in a single language as entered, with no requirement for translation.

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
/RPM /ITEM_D	EXTERNAL_ID	/RPM/TV_EXTID	ID	CHAR	24	System Generated
/RPM /ITEM_D	PARENT_ID	/RPM/TV_EXTID	Parent Bucket ID	CHAR	24	Mandatory
/RPM /ITEM_D	PARENT_GUID		Bucket GUID			System Generated
/RPM /ITEM_D	PORTFOLIO_GUID					System Generated
/RPM /ITEM_D	PORTFOLIO_ID	/RPM/TV_EXTID	Portfolio ID	CHAR	24	Mandatory
/RPM /ITEM_D	ITEM_TYPE	/RPM/TV_ITEM_ID	Type	CHAR	15	Mandatory
CGPL_TEXT	TEXT1	CGPL_TEXT1	Name	CHAR	40	Mandatory
STXL	LTEXT	CLUSTD	Item Description	CLUSTD		Conditional
/RPM /ITEM_D	STATUS	/RPM/TV_STATUS_COMMON	Item Status	CHAR	5	Mandatory
/RPM /ITEM_D	PLANNED_START	RPM_TV_PLAN_START	Planned Start	DATS	8	Mandatory
/RPM /ITEM_D	PLANNED_FINISH	RPM_TV_PLAN_FINISH	Planned Finish	DATS	8	Mandatory
/RPM /ITEM_D	FORECAST_STA RT	RPM_TV_FORECAST_START	Forecasted Start	DATS	8	Conditional
/RPM /ITEM_D	FORECAST_FINI SH	RPM_TV_FORECAST_FINISH	Forecasted Finish	DATS	8	Conditional
/RPM /ITEM_D	CATEGORY	RPM_PROJECT_CATEGORY	Category	NUMC	4	Mandatory
/RPM /ITEM_D	SUBCATEGORY	RPM_PROJ_SUBCATEGORY	Subcategory	NUMC	4	Mandatory
/RPM /ITEM_D	GEOGRAPHY	RPM_TV_PROJECT_GEOGRA PHY	Area	CHAR	4	Mandatory
/RPM /ITEM_D	ESCALATION	RPM_TV_ESCALATION	Escalation	CHAR	1	Conditional
/RPM /ITEM_D	CURRENCY	RPM_TV_CURRENCY	CURRENCY	CUKY	5	Mandatory
/RPM /ITEM_D	UNIT	RPM_TV_UNIT	Unit	UNIT	3	System Generated
/RPM /ITEM_D	CAP_PERIODTY PE	/RPM/TV_CAP_PERIOD_TYPE	Capacity Period Breakdown	NUMC	2	System Generated
/RPM /ITEM_D	PERIODTYPE	/RPM/TV_PERIOD_TYPE	Fin Period Breakdown	NUMC	2	System Generated
/RPM /ITEM_D	INITIATIVE_ID	INM_TV_EXTID	INITIATIVE ID	CHAR	24	Conditional
/RPM /ITEM_D	ZXX1		Investment Category	NUMC	2	Mandatory
/RPM /ITEM_D	ZXX2		Spending Range	NUMC	2	Mandatory
/RPM /ITEM_D	ZXX3		Business Unit/ Domain	NUMC	2	Mandatory
/RPM /ITEM_D	ZXX4		End User Market	NUMC	2	Conditional
/RPM /ITEM_D	ZXX5		Market Driver	NUMC	2	Conditional
/RPM /ITEM_D	ZXX6		Cluster	NUMC	2	Conditional
/RPM /ITEM_D	ZXX7		GBU Product Family	CHAR	40	Conditional
/RPM /ITEM_D	ZXX8		GBU Product Category	CHAR	40	Conditional

/RPM /ITEM_D	ZXX9		Product (s)	CHAR	40	Mandatory
/RPM /ITEM_D	ZXX10		Export Control	NUMC	2	Mandatory
/RPM /ITEM_D	ZXX11		Need-to-know	CHAR	1	Mandatory
/RPM /ITEM_D	ZXX12		Sustainability Score	NUMC	3	Mandatory
/RPM /ITEM_D	ZXX13		EU Taxonomy	NUMC	2	Conditional
/RPM /ITEM_D	ZXX14	HROBJID	Person Responsible	NUMC	8	Mandatory
/RPM /ITEM_D	ZXX15	STEXT	Person Responsible	STEXT	40	System Generated
/RPM /ITEM_D	ZXX16	HROBJID	Project Financial Controller	NUMC	8	Mandatory
/RPM /ITEM_D	ZXX17	STEXT	Project Financial Controller	STEXT	40	System Generated
/RPM /ITEM_D	ZXX18		Starting Risk Magnitude	NUMC	2	Conditional
/RPM /ITEM_D	ZXX19		Starting Risk Likelihood	NUMC	2	Conditional
/RPM /ITEM_D	ZXX20		Residual Risk Magnitude	NUMC	2	Conditional
/RPM /ITEM_D	ZXX21		Residual Risk Likelihood	NUMC	2	Conditional
/RPM /ITEM_D	ZXX22		Regulatory Mandated Magnitude	NUMC	2	Conditional
/RPM /ITEM_D	ZXX23		Regulatory Mandated Likelihood	NUMC	2	Conditional
/RPM /ITEM_D	ZXX24		Regulatory Mandated Time Horizon (to start project)	NUMC	2	Conditional
/RPM /ITEM_D	ZXX25		Capitalization Date	DATS	8	Conditional
/RPM /ITEM_D	ZXX26	PRCTR	Profit Centre	CHAR	10	Mandatory
/RPM /ITEM_D	ZXX27		WeGo ID	CHAR	10	Conditional
/RPM /ITEM_D	ZXX28		Investment Reason	NUMC	2	Mandatory
/RPM /ITEM_D	ZXX29		Budget Provision	CHAR	10	Conditional
/RPM /ITEM_D	ZXX30		Opportunity ID	CHAR	40	Conditional
/RPM /ITEM_D	ZXX31		Archetype	NUMC	2	Conditional
/RPM /ITEM_D	ZXX32		Must Do Justification	NUMC	2	Conditional
/RPM /ITEM_D	ZXX33	PS_PSPID	Legacy Project ID	CHAR	24	Conditional
/RPM /ITEM_D	ZXX34	WERKS_D	Plant	CHAR	4	Conditional
/RPM /ITEM_D	ZXX35		Idea ID	CHAR	40	Conditional
/RPM /ITEM_D	ZXECJ		Justification (Export Control)	CHAR	60	Conditional
/RPM /ITEM_D	ZXX36		Subsidy Relevant	CHAR	1	Conditional

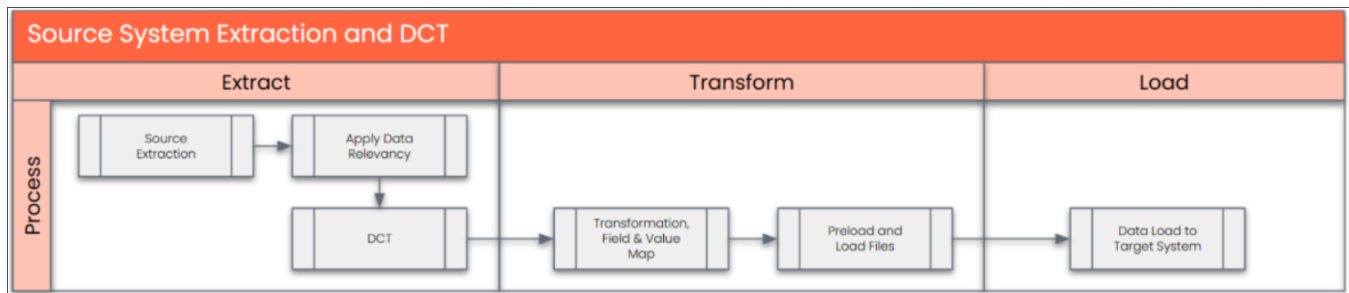
Relationship between /RPM/ITEM_D and CGPL_TEXT is the field /RPM/ITEM_D-GUID

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
1	Medium		Completed PS projects to be closed		SAP ECC

Conversion Process

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



Data Privacy and Sensitivity

Some projects are considered Need to Know and data is to be restricted.

Extraction

1. Extract data from a source into Syniti Migrate. There are 2 possibilities:
 - a. The data exists. Syniti Migrate connects to the source and loads the data into Syniti Migrate. There are 3 methods:
 - i. Perform full data extraction from relevant tables in the source system(s).
 - ii. Perform extraction through the application layer.
 - iii. Only if Syniti Migrate; cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
 - b. 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 as reference point to identify the records that are applicable for the data construction in the DCT.

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
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Not Applicable				
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Data Collection Template (DCT)

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

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

Portfolio Item DCT Rules

Field Name	Field Description	Rule
PARENT_ID	Parent Bucket ID	Unique Identifier for the Item's parent Bucket. In SyWay it is the ID of the L3 bucket where item is assigned It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ITEM_TYPE	Type	Item types define the structure and behavior of the portfolio item. In Syway item types will be based on the function and number of phases of the project. Refer configuration table field /RPM/ITEM_TYPE- ITEM_TYPE for allowed values. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
TEXT1	Name	40 character description of the PPM Item It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
LTEXT	Item Description	Long-text Description, this field is used to provide a concise description of the PPM Item. Conditional for projects where additional project scope information is required
STATUS	Item Status	Represents status of an item (from Customizing). Refer configuration table field /RPM/ITEM_STATUS- STATUS against ITEM_TYPE for the allowed values of the selected Item Type. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
PLANNED_START	Planned Start	Baseline start date of the item/ project used for planning within the portfolio/ bucket. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
PLANNED_FINISH	Planned Finish	Expected Delivery Date. Baseline finish date of the item/ project used for planning within the portfolio/ bucket. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
FORECAST_START	Forecasted Start	A forecast start date is predictive date when an item/project is likely to begin. In the Syway design, if this field is available in Operational Project Management tool (outside SAP) then required to be maintained.
FORECAST_FINISH	Forecasted Finish	A forecast finish date is predictive date when an item/project is likely to complete. In the Syway design, if this field is available in Operational Project Management tool (outside SAP) then required to be maintained.
CATEGORY	Category	In Syway, "Category" represents the business driver. It is a dropdown field with customizable values. This is a dropdown field RPM_PROJ_CAT-CATEGORY. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
SUBCATEGORY	Subcategory	In Syway, "Sub Category" represents the rationale behind the investment/expense for the item/project. This is a dropdown field whose values are configurable and depend on the selected "Category". Refer configuration table field RPM_PROJ_SUBCAT- SUBCATEGORY against the selected field RPM_PROJ_SUBCAT- CATEGORY. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
GEOGRAPHY	Area	Represents Company code; the legal entity in which the Syway Project will be executed. Dropdown values from V_DPR_AREA- AREA. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ESCALATION	Escalation	Checkbox; Selection indicates if PPM item is qualified for the Prioritization process. For R&I it will be managed at cluster level PPM Item
INITIATIVE_ID	INITIATIVE ID	Internal ID of Initiative where Item must be linked to Initiative

ZXX1	Investment category	In SyWay, investment category is a mandatory field to define the drivers for the project Growth/ Sustenance. Dropdown values from /SYQ/T_INV_CAT It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX2	Spending Range	The Capex spending range used for reporting the project size i.e. XS, S, M, L & XL. Dropdown values from /SYQ/T_SPND_RNGE It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX3	Business Unit/ Domain	Business Unit/ Domain field is an organizational unit within GBU/ Function which owns the project. Dropdown values from /SYQ/T_BU_DMN
ZXX4	End User Market	Classification of the industrial end users based upon type of industry e.g. aerospace, automotive etc. Dropdown values from /SYQ/T_END_USR_MKT
ZXX5	Market Driver	Market driver in SyWay is factor that influence demand/ growth/ success of the project. Dropdown values from /SYQ/T_MKT_DRVR
ZXX6	Cluster	In SyWay, Used to group items together for reporting where a budget allocation is made at an aggregated level, and actuals are collected against individual related items. Field content from /SYQ/T_CLSTR
ZXX7	GBU Product Family	GBU Product Family relevant for the project. When Item Type is related to either IS or R&I project then either of GBU product family, GBU product category or Product is required.
ZXX8	GBU Product Category	GBU Product Category relevant for the project. When Item Type is related to either IS or R&I project then either of GBU product family, GBU product category or Product is required.
ZXX9	Product (s)	Product relevant for the project. When Item Type is related to either IS or R&I project then either of GBU product family, GBU product category or Product is required.
ZXX10	Export Control	To identify if the project is applicable for regulatory governance, a dropdown list will appear with values Yes, No & Non-Determined. This is a dropdown field from /SYQ/T_EXPORT_CNTL
ZXECJ	Justification (Export Control)	This field indicates confidential projects. Access will be restricted if selection is "Yes"
ZXX11	Need-to-know	This field indicates confidential projects. Access will be restricted if selection is "Yes" It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX12	Sustainability Score	This field is used to determine whether the project is subject to environmental compliance requirements. Questionnaire will be assigned to this field.
ZXX13	EU Taxonomy	EU Taxonomy is mandatory field for IS projects. This is a dropdown field from /SYQ/T_EU_TXNMY
ZXX14	Person Responsible	This field represent Position of the Person Responsible for WBS elements (Project Manager) and is mandatory for all SyWay business functions. Manually selected from the drop-down list. Refer configuration table field TCJ04-PS_VERNR for field validation. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX16	Project Financial Controller	This field represent Position of the Project Financial Controller for a project and is mandatory for all SyWay business functions. Manually selected from the drop-down list. Refer configuration table field TCJ05-ASTNR for field validation. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX18	Starting Risk Magnitude	This field is mandatory if dropdown value of the "Category" field = HSE Risk reduction or Business risk reduction This is a dropdown field /SYQ/T_RISK_MAGNITUDE
ZXX19	Starting Risk Likelihood	This field is mandatory if dropdown value of the "Category" field = HSE Risk reduction or Business risk reduction This is a dropdown field /SYQ/T_RISK_LKLHD
ZXX20	Residual Risk Magnitude	This field is mandatory if dropdown value of the "Category" field = HSE Risk reduction or Business risk reduction This is a dropdown field from /SYQ/T_RISK_MAGNITUDE
ZXX21	Residual Risk Likelihood	This field is mandatory if dropdown value of the "Category" field = HSE Risk reduction or Business risk reduction This is a dropdown field from /SYQ/T_RISK_LKLHD
ZXX22	Regulatory Mandated Magnitude	This field is mandatory if dropdown value of the "Category" field = Regulatory compliance This is a dropdown field from /SYQ/T_REG_MAGNITUDE
ZXX23	Regulatory Mandated Likelihood	This field is mandatory if dropdown value of the "Category" field = Regulatory compliance This is a dropdown field from /SYQ/T_REG_LKLHD

ZXX24	Regulatory Mandated Time Horizon (to start project)	This field is mandatory if dropdown value of the "Category" field = Regulatory compliance This is a dropdown field from /SYQ/T_REG_TIME_HORIZON
ZXX25	Capitalization Date	For ongoing Capex projects SyWay carries out "Depreciation forecast", this date is mandatory for the "Capital Projects" Item types. Item Types are Z001,Z002, Z003, Z008, Z009, Z011
ZXX26	Profit Centre	Profit centre is required on PPM Item to create Project in SAP PS automatically. Refer master table field CEPC-PRCTR for Profit center list. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX27	WeGo ID	System calculated score for prioritization and ranking
ZXX28	Investment Reason	In Syway, "Investment Reason" represent the detailed investment/ expense reason. This is a dropdown field and depend on the selected "Sub Category" This is a dropdown field from /SYQ/T_INV_REASON It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX29	Budget Provision	"Budget Provision" Item Type exists as a distinct category. Additionally, a custom field named "Budget Provision" will be available in other CAPEX item types. This field will feature a dropdown containing Budget Provision PPM items for selection.
ZXX30	Opportunity ID	If IS or R&I PPM item is created with reference to a CRM Opportunity, the corresponding Opportunity ID will be entered. This is an optional field.
ZXX31	Archetype	This field represent Archetype of the R&I PPM item. N/A for IS & IT PPM Items. Refer configuration table field RPM_PROJ_TYPE- PTYPE against the selected field RPM_PROJ_TYPE- CATEGORY. This is a dropdown field from /SYQ/T_ARCHETYPE Conditional based on Category
ZXX32	Must Do Justification	If financial analysis required, then this field is mandatory. Required if Category is- 1. New growth - Capacity expansion or 2. Existing growth - Capacity improvement or 3. Asset Management
ZXX33	Legacy Project ID	Legacy Project ID refers to the project identifier used in the previous SAP system before migration to the current S/4 HANA platform. It will be mandatory for the cutover projects only.
ZXX34	Plant	Plant represent a site of the PPM Item. Mandatory for all PPM Items. It is a Required Field: Preload Check to be done to confirm that this field is filled the Data Collection Template
ZXX35	Idea ID	Field to store the Idea number where known. This is an optional field.
ZXX36	Subsidy Relevant	Use this checkbox if the project is eligible for government or institutional subsidies.
Instance	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
1	Ensure DCT is collected for Item	Data Team
2	Perform preliminary completeness 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

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 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
1	WP2	PROJ	PSPID	ID	S/4 Hana	/RPM /ITEM_D	Legacy Project ID	Legacy Project ID (For existing records this is the key for related DCT values) For additional Items not from source this will be empty.	Copy From Source

2	WP2				S/4 Hana	/RPM /ITEM_D	ITEM_TYPE	Type	<p>Apply first successful rule</p> <p>If PROJ-PSPID start with RR* then use data from DCT.</p> <p>If any WBS elements PRPS-USER0 starts with IT then Z009</p> <p>IF PROJ-ZINV = B4 Then Z011</p> <p>IF PROJ-ZINV = B1, H1, or H2 Then Z013</p> <p>IF PROJ-PSPID 4&5 Character of Project ID is /J: Then Z001</p> <p>If PROJ-PSPID 4&5 Character of Project ID is /M: then Z002</p> <p>f PROJ-PSPID 4&5 Character of Project ID is /C: then Z003</p> <p>If no WBS elements is Capital, PRPS- IMPRF="" then Item type PRPS-Z010</p>
3	WP2	PROJ	TEXT1	Project Description	S/4 Hana	CGPL_T EXT	TEXT1	Name	Copy source to target
4	WP2	STXL	LTEXT	CLUSTD	S/4 Hana	STXL	LTEXT	CLUSTD	Copy source to target
7	WP2	PROJ	SPROG	Forecast start date of project definition	S/4 Hana	/RPM /ITEM_D	FORECAS T_START	Forecasted Start	Copy from source, format YYYYMMDD
8	WP2	PROJ	EPROG	Forecast finish date for project definition	S/4 Hana	/RPM /ITEM_D	FORECAS T_FINISH	Forecasted Finish	Copy from source, format YYYYMMDD
9	WP2	PROJ	PLFAZ	Project planned start date	S/4 Hana	/RPM /ITEM_D	PLANNED _START	Planned Start	Copy from source, format YYYYMMDD
10	WP2	PROJ	PLSEZ	Project planned finish date	S/4 Hana	/RPM /ITEM_D	PLANNED _FINISH	Planned Finish	Copy from source, format YYYYMMDD
11	WP2	PROJ	VBUKR	Company code for the project	S/4 Hana	/RPM /ITEM_D	GEOGRA PHY	Area	Copy from Source
12	WP2	PROJ	PWHIE	WBS currency (project definition)	S/4 Hana	/RPM /ITEM_D	CURRENCY	CURRENCY	Copy from Source
13	WP2	PROJ	PRCTR	Profit Center	S/4 Hana	/RPM /ITEM_D	ZXX26	Profit Centre	Value Mapping: Profit Center Old to New
14	WP2	PROJ	ZZ_IZWEK	Investment reason	S/4 Hana	/RPM /ITEM_D	ZXX29	Investment Reason	Value Mapping: Investment Reason Old to new
15	WP2	PROJ	WERKS	Plant	S/4 Hana	/RPM /ITEM_D	ZXX34	Plant	Value Mapping: Old Plant to New
16	WP2	PROJ	ZZ_POSIT	Position of the person responsible	S/4 Hana	/RPM /ITEM_D	ZXX14	Person responsible Position ID	Copy from Source
17	WP2	PRPS	ZZ_WEGO _ID	WEGO ID	S/4 Hana	/RPM /ITEM_D	ZXX27	Wego ID	If all WBS Elements for the PSPID record has the same WEGO Number only.
1	PF2	PROJ	PSPID	ID	S/4 Hana	/RPM /ITEM_D	Legacy Project ID	Legacy Project ID (For existing records this is the key for related DCT values) For additional Items not from source this will be empty.	Copy From Source

2	PF2	PROJ			S/4 Hana	/RPM /ITEM_D	ITEM_TYPE	Type	Apply first successful rule only If PROJ-PSPID start with R- then use data from DCT. Investment Reason = H0 then Z009 IF PROJ-ZINV = B4 Then Z011 IF PROJ-ZINV = B1, B5, H1, or H2 Then Z013 IF PROJ-PSPID 4&5 Character of Project ID is /J: Then Z001 If PROJ-PSPID 4&5 Character of Project ID is /M: then Z002 f PROJ-PSPID 4&5 Character of Project ID is /C: then Z003 If no WBS elements is Capital, PRPS-IMPRF="" then Item type PRPS-Z010
3	PF2	PROJ	TEXT1	Project Description	S/4 Hana	CGPL_T EXT	TEXT1	Name	Copy source to target
4	PF2	STXL	LTEXT	CLUSTD	S/4 Hana	STXL	LTEXT	CLUSTD	Copy source to target
7	PF2	PROJ	SPROG	Forecast start date of project definition	S/4 Hana	/RPM /ITEM_D	FORECAS T_START	Forecasted Start	Copy from source, format YYYYMMDD
8	PF2	PROJ	EPROG	Forecast finish date for project definition	S/4 Hana	/RPM /ITEM_D	FORECAS T_FINISH	Forecasted Finish	Copy from source, format YYYYMMDD
9	PF2	PROJ	PLFAZ	Project planned start date	S/4 Hana	/RPM /ITEM_D	PLANNED _START	Planned Start	Copy from source, format YYYYMMDD
10	PF2	PROJ	PLSEZ	Project planned finish date	S/4 Hana	/RPM /ITEM_D	PLANNED _FINISH	Planned Finish	Copy from source, format YYYYMMDD
11	PF2	PROJ	VBUKR	Company code for the project	S/4 Hana	/RPM /ITEM_D	GEOGRA PHY	Area	Value Mapping: Old to New Company Code
12	PF2	PROJ	PWHIE	WBS currency (project definition)	S/4 Hana	/RPM /ITEM_D	CURRENCY	Currency	Copy from Source
13	PF2	PROJ	PRCTR	Profit Center	S/4 Hana	/RPM /ITEM_D	ZXX26	Profit Centre	Value Mapping: Profit Center Old to New
14	PF2	PROJ	ZZ_IZWEK	Investment reason	S/4 Hana	/RPM /ITEM_D	ZXX29	Investment Reason	Value Mapping: Investment Reason Old to new
15	PF2	PROJ	WERKS	Plant	S/4 Hana	/RPM /ITEM_D	ZXX34	Plant	Value Mapping: Old Plant to New
16	PF2	PROJ	ZZ_POSIT	Position of the person responsible	S/4 Hana	/RPM /ITEM_D	ZXX14	Person responsible Position ID	Copy from Source
17	PF2	PRPS	ZZ_WEGO_ID	WEGO ID	S/4 Hana	/RPM /ITEM_D	ZXX27	Wego ID	If all WBS Elements for the PSPID record has the same WEGO Number only
1					S/4 Hana	/RPM /ITEM_D	EXTERN A_ID	ID	System Generated
2	DCT		PARENT_ID	Parent Bucket ID	S/4 Hana	/RPM /ITEM_D	PARENT_ID	Parent Bucket ID	Copy from source to target system
3	DCT				S/4 Hana	/RPM /ITEM_D	PORTFOL IO_ID	Portfolio ID	Default to Syensqo
4	DCT		ITEM_TYPE	Type	S/4 Hana	/RPM /ITEM_D	ITEM_TYPE	Type	Copy from source to target system
5	DCT		TEXT1	Name	S/4 Hana	CGPL_T EXT	TEXT1	Name	Copy from source to target system
6	DCT		LTEXT	Item Description	S/4 Hana	STXL	LTEXT	CLUSTD	Copy from source to target system
7	DCT		STATUS	Item Status	S/4 Hana	/RPM /ITEM_D	STATUS	Item Status	Copy from source to target system

8	DCT		PLANNED_START	Planned Start	S/4 Hana	/RPM /ITEM_D	PLANNED_START	Planned Start	Copy from source to target system
9	DCT		PLANNED_FINISH	Planned Finish	S/4 Hana	/RPM /ITEM_D	PLANNED_FINISH	Planned Finish	Copy from source to target system
10	DCT		FORECAST_START	Forecasted Start	S/4 Hana	/RPM /ITEM_D	FORECAST_START	Forecasted Start	Copy from source to target system
11	DCT		FORECAST_FINISH	Forecasted Finish	S/4 Hana	/RPM /ITEM_D	FORECAST_FINISH	Forecasted Finish	Copy from source to target system
12	DCT		CATEGORY	Category	S/4 Hana	/RPM /ITEM_D	CATEGORY	Category	Copy from source to target system
13	DCT		SUBCATEGORY	Subcategory	S/4 Hana	/RPM /ITEM_D	SUBCATEGORY	Subcategory	Copy from source to target system
14	DCT		GEOGRAPHY	Area	S/4 Hana	/RPM /ITEM_D	GEOGRAPHY	Area	Copy from source to target system
18	DCT		ESCALATION	Escalation	S/4 Hana	/RPM /ITEM_D	ESCALATION	Escalation	Copy from source to target system
19	DCT		Currency	Currency	S/4 Hana	/RPM /ITEM_D	CURRENCY	CURRENCY	If Legacy Project ID field is empty then Value Mapping: Currency From Company Code Company Code Currency from T001-WAERS where BUKRS = Target Geography
20					S/4 Hana	/RPM /ITEM_D	UNIT	Unit	Default to "TAG"(Day)
21					S/4 Hana	/RPM /ITEM_D	CAP_PERIODTYPE	Capacity Period Breakdown	Default to "12"(Annually)
22					S/4 Hana	/RPM /ITEM_D	PERIODTYPE	Fin Period Breakdown	Default to "12"(Annually)
23	DCT		INITIATIVE_ID	INITIATIVE ID	S/4 Hana	/RPM /ITEM_D	INITIATIVE_ID	INITIATIVE ID	Copy from source to target system
24	DCT		ZXX1	Investment category	S/4 Hana	/RPM /ITEM_D	ZXX1	Investment category	Copy from source to target system
25	DCT		ZXX2	Spending Range	S/4 Hana	/RPM /ITEM_D	ZXX2	Spending Range	Copy from source to target system
26	DCT		ZXX3	Business Unit/ Domain	S/4 Hana	/RPM /ITEM_D	ZXX3	Business Unit/ Domain	Copy from source to target system
27	DCT		ZXX4	End User market	S/4 Hana	/RPM /ITEM_D	ZXX4	End User market	Copy from source to target system
28	DCT		ZXX5	Market driver	S/4 Hana	/RPM /ITEM_D	ZXX5	Market driver	Copy from source to target system
29	DCT		ZXX6	Cluster	S/4 Hana	/RPM /ITEM_D	ZXX6	Cluster	Copy from source to target system
30	DCT		ZXX7	GBU product family	S/4 Hana	/RPM /ITEM_D	ZXX7	GBU product family	Copy from source to target system
31	DCT		ZXX8	GBU product category	S/4 Hana	/RPM /ITEM_D	ZXX8	GBU product category	Copy from source to target system
32	DCT		ZXX9	Product (s)	S/4 Hana	/RPM /ITEM_D	ZXX9	Product (s)	Copy from source to target system
33	DCT		ZXX10	Export control relevant	S/4 Hana	/RPM /ITEM_D	ZXX10	Export control relevant	Copy from source to target system
34	DCT		ZXX11	Need-to-know	S/4 Hana	/RPM /ITEM_D	ZXX11	Need-to-know	Copy from source to target system
35	DCT		ZXX12	Overall Sustainability Score	S/4 Hana	/RPM /ITEM_D	ZXX12	Overall Sustainability Score	Copy from source to target system
36	DCT		ZXX13	EU taxonomy	S/4 Hana	/RPM /ITEM_D	ZXX13	EU taxonomy	Copy from source to target system
37	DCT		ZXX14	Person responsible Position ID	S/4 Hana	/RPM /ITEM_D	ZXX14	Person responsible Position ID	Copy from source to target system
38					S/4 Hana	/RPM /ITEM_D	ZXX15	Person Responsible Position Name	Value Mapping: Position Name from Position Mapped from table field HRP1000-STEXT where HRP1000-OBJID= ZX001
41	DCT		ZXX16	Project Financial Controller Position ID	S/4 Hana	/RPM /ITEM_D	ZXX16	Project Financial Controller Position ID	Copy from source to target system

42					S/4 Hana	/RPM /ITEM_D	ZXX17	Project Financial Controller Position Name	Value Mapping: Position Name from Position Mapped from table field HRP1000-STEXT where HRP1000-OBJID=ZX001
48	DCT		ZXX18	Starting risk Magnitude	S/4 Hana	/RPM /ITEM_D	ZXX18	Starting risk Magnitude	Copy from source to target system
49	DCT		ZXX19	Starting risk Likelihood	S/4 Hana	/RPM /ITEM_D	ZXX19	Starting risk Likelihood	Copy from source to target system
50	DCT		ZXX20	Residual risk Magnitude	S/4 Hana	/RPM /ITEM_D	ZXX20	Residual risk Magnitude	Copy from source to target system
51	DCT		ZXX21	Residual risk Likelihood	S/4 Hana	/RPM /ITEM_D	ZXX21	Residual risk Likelihood	Copy from source to target system
53	DCT		ZXX22	Regulatory Mandated Magnitude	S/4 Hana	/RPM /ITEM_D	ZXX22	Regulatory Mandated Magnitude	Copy from source to target system
54	DCT		ZXX23	Regulatory Mandated Likelihood	S/4 Hana	/RPM /ITEM_D	ZXX23	Regulatory Mandated Likelihood	Copy from source to target system
55	DCT		ZXX24	Regulatory Mandated Time Horizon (to start project)	S/4 Hana	/RPM /ITEM_D	ZXX24	Regulatory Mandated Time Horizon (to start project)	Copy from source to target system
56	DCT		ZXX25	Capitalization Date	S/4 Hana	/RPM /ITEM_D	ZXX25	Capitalization Date	Copy from source to target system
57	DCT		ZXX26	Profit Centre	S/4 Hana	/RPM /ITEM_D	ZXX26	Profit Centre	Copy from source to target system
58	DCT		ZXX27	Project Equivalent Score	S/4 Hana	/RPM /ITEM_D	ZXX27	Project Equivalent Score	Copy from source to target system
62	DCT		ZXX28	WeGo ID	S/4 Hana	/RPM /ITEM_D	ZXX28	WeGo ID	Copy from source to target system
64	DCT		ZXX29	Investment Reason	S/4 Hana	/RPM /ITEM_D	ZXX29	Investment Reason	Copy from source to target system
65	DCT		ZXX30	Budget Provision	S/4 Hana	/RPM /ITEM_D	ZXX30	Budget Provision	Copy from source to target system
66	DCT		ZXX31	Opportunity ID	S/4 Hana	/RPM /ITEM_D	ZXX31	Opportunity ID	Copy from source to target system
67	DCT		ZXX32	Archetype	S/4 Hana	/RPM /ITEM_D	ZXX32	Archetype	Copy from source to target system
68	DCT		ZXX33	Must Do Justification	S/4 Hana	/RPM /ITEM_D	ZXX33	Must Do Justification	Copy from source to target system
69	DCT		ZXX34	Legacy Project ID	S/4 Hana	/RPM /ITEM_D	ZXX34	Legacy Project ID (For existing records this is the key for related DCT values) For additional Items not from source this will be empty.	Copy from source to target system
70	DCT		ZXX35	Plant	S/4 Hana	/RPM /ITEM_D	ZXX35	Plant	Copy from source to target system
71	DCT		ZXECJ	Justification (Export Control)	S/4 Hana	/RPM /ITEM_D	ZXECJ	Justification (Export Control)	Copy from source to target system
72	DCT		ZXX36	Subsidy Relevant	S/4 Hana	/RPM /ITEM_D	ZXX35	Subsidy Relevant	Copy from source to target system

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

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

Transformation Mapping

Mapping Table Name	Mapping Table Description
Company Code	Value Mapping: Old to New Company Code
T001	Value Mapping: Currency From Company Code
HRP1000	Value Mapping: Position Name from Position
Plant	Value Mapping: Old Plant to New
Profit Center	Value Mapping: Profit Center Old to New
Investment Reason	Value Mapping: Investment Reason Old to new

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure all the fields that require value mapping, as stipulated. Mapping tables, have the correct values mapped and imported into tool.	Data Team

Pre-Load Validation

Project Team

Completeness

Task	Action
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 Fields2. Field and Value Mapping Correctness3. Null Checks4. 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 (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 RPM_DX_ITEM	SyWay Data Team
2	Load 3 records for < > to validate if data is loaded successfully without errors	SyWay Data Team
3	Load 3 records for < > to validate if data is loaded successfully without errors	SyWay Data Team
4	Proceed with full load if steps 2 and 3 are validated	SyWay Data Team
5	Validate few records loaded by accessing Portfolio Item App	SyWay Data Team
6	Post Process - for all Items where Legacy Project ID not blank - Create PS Project definition with WBS element hierarchy (Level 1 & 2) from the approved PPM item by setting stage gate 1 to Approved. Program required to perform mass status change.	SyWay Data Team
7	Validate few records loaded by accessing PS Project App	SyWay Data Team
8	Generate post load report if step 5 is validated	SyWay Data Team
9	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	Override Default Global Settings (Master Switches 0002 Switched off - Item will have manual ID)
2	Define Currency Units
3	Define Period Types
4	Define Capacity Units
5	Configure Fields for Mass Import
6	Item Types - /RPM/ITEM_TYPE- ITEM_TYPE
7	Item Type Status - /RPM/ITEM_STATUS- STATUS
8	Category - RPM_PROJ_CAT- CATEGORY
9	Sub-Category RPM_PROJ_SUBCAT- SUBCATEGORY
10	Area - DPR_AREA
11	Project Type - RPM_PROJ_TYPE
12	Plant - T001W
13	Responsible Person - TCJ04
14	Applicant - TCJ05
15	Priority Group
16	Investment category
17	Spending Range

18	Business Unit/ Domain
19	End User market
20	GBU product family
21	GBU product category
22	Product (s)
23	Investment Reason
24	Archetype
25	Cluster

Conversion Objects

Object #	Preceding Object Conversion Approach
1113	Portfolio Bucket Hierarchy
1023	Portfolio Initiative
1073	Profit Centre
1019	Template Projects

Error Handling

Error Type	Error Description	Action Taken
Invalid Data	Invalid Portfolio	Validate Transformation Rules
Invalid Data	Invalid Bucket ID (Parent ID does not exist)	Validate DCT content
Invalid Data	Invalid Item Type	Validate Transformation rules and DCT values
Invalid Data	Invalid entry in field "Field Name"	Validate the DCT content for the named field
Invalid Data	Invalid dates	Validate format of the date fields.

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 Portfolio Item in target S/4 HANA were loaded correctly via Standard Portfolio Item display and table /RPM /ITEM_D
Conversion Accuracy	Verify that the Project Definition in target were created correctly as per project template

Conversion Accuracy	Verify that the WBS Structure in target were created correctly as per project template
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Business

Completeness

Task	Action
Verify Count	Extract Item details from Item App in S/4 Hana
Verify Count	Extract Project Definitions from Project Definitions App in S/4 Hana, to be same as Item count

Accuracy

Task	Action
Verify Accuracy	Extract Item details from Item App in S/4 Hana and compare
	Extract Project details from Project in S/4 Hana and compare to expected.

Key Assumptions

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

See also




Change log

Version	Published	Changed By	Comment
CURRENT (v. 42)	Nov 05, 2025 10:05	WENNINGER-ext, Sascha	
v. 41	Oct 24, 2025 14:42	LEIGHTON-ext, Dean	
v. 40	Oct 24, 2025 10:28	LEIGHTON-ext, Dean	
v. 39	Oct 23, 2025 17:04	LEIGHTON-ext, Dean	
v. 38	Nov 04, 2024 09:08	WENNINGER-ext, Sascha	
v. 37	Aug 29, 2024 15:24	NARAHARI-ext, Bhargavi	
v. 36	Aug 29, 2024 15:21	NARAHARI-ext, Bhargavi	
v. 35	Aug 29, 2024 15:13	NARAHARI-ext, Bhargavi	
v. 34	Jul 24, 2024 16:34	MCCARTNEY-ext, Stephen	
v. 33	Jul 24, 2024 16:28	WENNINGER-ext, Sascha	

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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.

Feb 02, 2026	Actor	Type	Activity	Version
Approved	 CHIEW-ext, Yock Sang	State	changed state to Approved at 11:34 am	v42
Pending SteerCo Review	 CHIEW-ext, Yock Sang	State	gave <i>Final Approval</i> approval at 11:34 am	
		State	changed expiry date to '16 Feb, 2026 11:34 am' at 11:34 am	
		State	changed state to Pending SteerCo Review at 11:34 am	v42
Pending Stakeholder Review	 CHIEW-ext, Yock Sang	State	gave <i>Stakeholder Review</i> approval at 11:34 am <i>Approval as attached</i>	
Nov 17, 2025				
	 WONG-ext, Oliver	State	changed expiry date to '24 Nov, 2025 02:46 pm' at 2:46 pm	
		State	changed state to Pending Stakeholder Review at 2:46 pm	v42
Pending Design Authority Review	 WONG-ext, Oliver	State	gave <i>Design Authority Endorsement</i> approval at 2:46 pm <i>DA approved (20251112)</i>	