CNV-1081 Activity Type Groups

Status	100%
Owner	PILLAY-ext, Lawrence
Stakeholders	NAIDU-ext, Prasad SAKTHIVEL-ext, Navaneetha

Purpose

The purpose of this document is to define the conversion approach of Activity Type Groups into S/4 HANA.

The document details out the field list, extraction criteria, scoping and mapping of Activity Type Groups.

Conversion Scope

List of source systems and approximate number of records:

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
DCT	Activity Type Groups	Approx 5	S4HANA	Approx 5

Additional Information

Multi-language Requirement

According to KDD055, this master data standard should be implemented in 4 core languages:
- English (EN)
- French (FR)
- Italian (IT)
- Chinese (ZN)

Document Management

Legal Requirement

Special Requirements

Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Label	Description	Data Type	Length	Syensqo Requirement R = Required : Mandatory field. O = Optional: Not mandatory. If a value is entered it doesn't impact Business Process. C = Conditional: Not mandatory. If a value is entered it impacts Business Process or Reporting. S = System: System generates the value. NU = Not Used
SETHEADER	SETCLASS	SETCLASS	Set Class	The Setclass field dictates the nature of the set, in the case of activity type groups the value is '0105'	CHAR	4	R
SETHEADER	SUBCLASS	SETSUBCLS	Sub class org unit	Identifies a self-contained organizational structure for which costs will be managed.	CHAR	12	R
SETHEADER	SETNAME	SETNAMENEW	Set Name	Identify the activity types included in the group	CHAR	24	R
SETHEADERT	LANGU	SPRAS	Language Key	Language Key	CHAR	1	R

SETHEADERT	DESCRIPT	SETTEXT	Description	Describes the content of the group of the activity types	CHAR	40	R
SETNODE	LINEID	LINEID	Line Number	Line Number	NUMC	10	R
SETNODE	SETNAME_SETNODE	SETNAME_SETNODE	Parent Group Name	Parent Group Name	CHAR	24	R
SETNODE	SUBSETNAME	SUBSETNAME	Child Group Name	Child Group Name	CHAR	24	R
SETLEAF	SETNAME_SETLEAF	SETNAME_SETLEAF	Group Node Name	Group Node Name	CHAR	24	R
SETLEAF	VALFROM	VALFROM	From Value	We can use this field as an interval (the first value) or as a single value. The content is the activity type code	CHAR	40	R
SETLEAF	VALTO	VALTO	To Value	Last activity type of the interval or leave empty if we are inserting single values for the activity types	CHAR	40	R

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
1	N/A				

Conversion Process

Summarize High-Level Process. Include diagrams, where applicable. Include information supporting details of Extract, Transform and Load specific to the Data Object

Note: When Data Source denotes DCT, no relevancy and extract rules to be applied in Syniti tool. DCT records will be collected by business Data Consultant.

Data Privacy and Sensitivity

Extraction

Extraction Run Sheet

Req #	Requirement description	Team responsible
1	Ensure DCT is collected for the Activity Type Groups based on the collection template	Data team

Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
N/A				

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.

DCT Rules will be used by the data collectors for collecting data.

Note: Constructed data will be imported into ADMM Data Construction page.

There will be two pages -

1. Main page to contain the hierarchy details with EN Language key Description

2. Detailed Page will contain descriptions SETHEADERT-LANGU, (SETHEADERT-DESCRIPT) of the SETHEADER-SETNAME in various languages as they are collected.

Table Name	Field Name	Field description	Rule
CSLA	KOKRS	Controlling Area	Business to enter content as per data type and length permitted
SETHEADER	SETCLASS	Set Class	Set to '**0105**' for Activity Type Groups
SETHEADER	SUBCLASS	Organizational Unit as Set Subclass	Business to enter content as per data type and length permitted
SETHEADER	SETNAME	Set Name	Business to enter content as per data type and length permitted
SETHEADERT	LANGU	Language Key	Business to enter content as per data type and length permitted
SETHEADERT	DESCRIPT	Description	Business to enter content as per data type and length permitted
SETNODE	LINEID	Line Number	This will contain the level of the hierarchy nodes example is given in Load section.
SETNODE	SETNAME_SETNODE	Parent Group Name	The code of the parent group. If node 2, it refers to node 1. If node 1 : no reference.
SETNODE	SUBSETNAME	Child Group Name	The code of the child group. If node 1, it refers to node 2. If node 2 : no reference as it will be directly activity type group.
SETLEAF	SETNAME_SETLEAF	Group Node Name	Changes based on the length of the item/package.
SETLEAF	VALFROM	From Value	Business to enter content as per data type and length permitted
SETLEAF	VALTO	To Value	Business to enter content as per data type and length permitted

Descriptions will be collected on multiple languages and therefore a detail page to created and linked to the main page

Table Name	Field Name	Field description	Rule
SETHEADER	SETNAME	Set Name	Business to enter content as per data type and length permitted
SETHEADERT	LANGU	Language Key	Business to enter content as per data type and length permitted
SETHEADERT	DESCRIPT	Description	Business to enter content as per data type and length permitted

Extraction Dependencies

Item #	Step description	Team responsible
1.	N/A	

Transformation

The Target fields are mapped to the applicable DCT field that will be its source.

Note: as this object is DCT, the mapping rule for all the fields is **'Copy'** as described in the transform rule section. However, some reports are to be created and executed to ensure integrity in the data collected in DCT as described in 'Pre-load Data Validation' section.

This step identifies the transformation activity required to allow to make the data Target ready:

1. Prepare target-ready data in the target structure and format that is required for loading via prescribed Load Tool in the load section.
2. Produce the preload reports as requested in the 'Preload Data Validation' section.

Transformation Run Sheet

Item #	Step description	Team responsible
1.	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into Syniti Migrate App.	Data team
2.	In tool, select the Activity Type Group Object	Data team
3.	Go to Process Area Launch and Process the Object - Activity Type Group Object.	Data team
4.	Launch the Objects to execute transformation.	Data team
5.	Monitor the transformation progress and ensure performance and completion is within allowed timeframe	Data team
6.	Generate Pre-Load reports	Data team
7.	Generate data load count	Data team
8.	Log errors as defects, if any and address resolutions. Close defects	Data team
9.	Re-transform and re-validate the Pre-load reports if necessary.	Data team
10.	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
11.	Analyse and resolve any pre-load defects logged by business.	Data team
12.	Repeat steps 6 to 11 if necessary	Data team
13.	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	DCT	KOKRS	KOKRS	Controlling Ares	S/4HANA	CSLA	KOKRS	Controlling Ares	Copy From DCT as-is
2	DCT	SETHEADER	SETCLASS	Set Class	S/4HANA	SETHEADER	SETCLASS	Set Class	Copy From DCT as-is
3	DCT	SETHEADER	SETNAME	Set Name	S/4HANA	SETHEADER	SETNAME	Set Name	Copy From DCT as-is
4	DCT	SETHEADERT	LANGU	Language Key	S/4HANA	SETHEADER	LANGU	Language key	Copy From DCT as-is
5	DCT	SETHEADERT	DESCRIPT	Description	S/4HANA	SETHEADERT	DESCRIPT	Description	Copy From DCT as-is
6	DCT	SETNODE	LINEID	Set Line	S/4HANA	SETNODE	LINEID	Set Line	Copy From DCT as-is
7	DCT	SETNODE	SETNAME	Parent Group Name	S/4HANA	SETNODE	SETNAME	Parent Group Name	Copy From DCT as-is
8	DCT	SETNODE	SUBSETNAME	Child Group Name	S/4HANA	SETNODE	SUBSETNAME	Child Group Name	Copy From DCT as-is
9	DCT	SETLEAF	SETNAME	Group Node Name	S/4HANA	SETLEAF	SETNAME	Group Node Name	Copy From DCT as-is
10	DCT	SETLEAF	VALFROM	From Value	S/4HANA	SETLEAF	VALFROM	Valid-From Date	Copy From DCT as-is
11	DCT	SETLEAF	VALTO	To Value	S/4HANA	SETLEAF	VALTO	Valid-To Date	Copy From DCT as-is

Transformation Mapping

Mapping Table Name	Mapping Table Description
N/A	

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure all the fields and values are imported into ADMM Construction page correctly	Data Team

Pre-Load Validation

Project Team

Completeness

Task	Action
Generation of Pre-load reports	Mandatory field check. • Language key(LANGU) for description in various languages maintained.

Record Count	Record Count
	• Confirm the record counts in preload summary report
	  ○ Total Records: To be Filled in Summary Report
	  ○ Valid Records: To be Filled in Summary Report
	  ○ Invalid Records: To be Filled in Summary Report

Accuracy

Task	Action
Mandatory field mapping and transformation	Obtain a list of the fields to be populated with values from mapping files and ensure all these fields contain S/4HANA values. Review the data report to ensure mapping value is not missing in tool. Capture errors in the Data Error report.

Business

Completeness

Task	Action
Verify record count in Pre-load reports by region	Confirm the Preload File contains all the records in scope of migration based on the DCT (Data Construction Template)

Accuracy

Task	Action
Conversion accuracy	Verify Activity Type Groups are transformed accurately as per endorsed transformation/mapping rules. Review error reports in tool for any mismatch or missing transformed values.

Load

Load Template is different from the data collection template. Loading of standard hierarchy will be done using LSMW with Idoc (COGRP5) as the technology behind.

Loading of Descriptions in various Languages: Loading of descriptions in various languages will be done using tcode SE63.

Three exports views will be required to upload this object.

Export view 1.

Please generate an export view for the load template as in the table below, details of mapping of fields between DCT to load template.

LNIND = H for the record where DCT field SETNAME is empty

LNIND = L for all the other lines

Parent = DCT Field SETNAME_SETNODE

VALU1 = DCT Field SUBSETNAME

VALU2 = DCT Field LINEID

VALU3 = 0 for standard hierarchy and count of VALFROM for combination of other fields (LNIND, Parent, VALU1, VALU2)

VALU4 = DCT Field DESCRIPT

LNIND	Parent	VALU1	VALU2	VALU3	VALU4
H		<Controlling area - KOKRS>			
L	<SETHEADER-SETNAME>	<SETHEADER-SETNAME>	0	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 1	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 2	0	<SETHEADERT-DESCRIPT>
L	<SSETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 3	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 4	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 4	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 3	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 4	0	<SETHEADERT-DESCRIPT>
L	<SETNODE-SETNAME>	<SETNODE-SUBSETNAME>	<SETNODE-LINEID> E.G 4	0	<SETHEADERT-DESCRIPT>

Export view 2.

Generate 2nd export view containing below columns.

This view is created for the non-blank entries from SETLEAF.

SETNAME	VALFROM	VALTO
<SETLEAF-SETNAME>	<SETLEAF-VALFROM>	<SETLEAF-VALTO>
<SETLEAF-SETNAME>	<SETLEAF-VALFROM>	<SETLEAF-VALTO>
<SETLEAF-SETNAME>	<SETLEAF-VALFROM>	<SETLEAF-VALTO>

Export view 3.

Generate 3rd view containing the descriptions of the Hierarchy for different languages.

SETNAME	LANGUAGE	DESCRIPTION
<SETHEADER-SETNAME>	<SETHEADER-LANGU>	<SETHEADER-DESCRIPT>
<SETHEADER-SETNAME>	<SETHEADER-LANGU>	<SETHEADER-DESCRIPT>
<SETHEADER-SETNAME>	<SETHEADER-LANGU>	<SETHEADER-DESCRIPT>

Note: Description translation data which will be given in the export view 3, will be loaded using tcode SE63. LSMW will be created based on the tcode SE63 to enable mass upload of this data. However, further checks will be done to check if some Fiori App could be used for uploading.

Note: Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation with side by side check of each fields in scope of the objects with fields to be displayed as XXXX_DCT, XXXX_S4HANA, XXXX_MATCH (As TRUE or FALSE) with an additional column denoting fields not matching and status of loading in S/4HANA as LOADED_IN_S4HANA (As TRUE or FALSE)

Load Run Sheet

Item	Step description	Team responsible
1	Ensure the load tools are transported into the correct tool instance	Data team
2	Ensure DCTs and all required mappings are submitted and complete	Data team
3	Ensure Pre-load sign-offs are obtained	Data team
4	Execute load	Data team
5	Generate the post load reports in tool	Data team
6	Log errors as defects, if any and address resolutions. Close defects	Data team
7	Resolve defects by reupload and re-generate post load reports if necessary	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	Data team

Load Phase and Dependencies

Configuration

Item #	Configuration item
1.	Controlling Area

Conversion Objects

Object #	Preceding Object Conversion Approach
N/A	

Error Handling

Error type	Error description	Action taken

Post-Load Validation

Project Team

Completeness

Task	Action
Reconciliation of Record Count	Check Record count between DCT, Preload file and target extracted data from tables SETHEADER, SETNODE, SETLEAF. A Summary report to be added in the post-load report

Accuracy

Task	Action
Check values in key fields for accuracy	Refer to the post-load file and Manual check of the Loaded data using KSH3 and SE16N

Business

Completeness

Task	Action
Record Count Check	Business to check Post-Load File and Summary report in post-load

Accuracy

Task	Action
Spot check	Spot check some sample records from the post-load report to be picked for checking in SAP transaction code KSH3 to verify accuracy of the data.

Key Assumptions

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

Change log

Version	Published	Changed By	Comment
CURRENT (v. 14)	**Oct 10, 2025 13:40**	**PILLAY-ext, Lawrence**	
v. 13	Oct 10, 2025 13:20	**PILLAY-ext, Lawrence**	
v. 12	Oct 10, 2025 13:05	**PILLAY-ext, Lawrence**	
v. 11	Sept 29, 2025 22:40	**PILLAY-ext, Lawrence**	
v. 10	Sept 29, 2025 22:31	**PILLAY-ext, Lawrence**	
v. 9	Sept 29, 2025 22:30	**PILLAY-ext, Lawrence**	
v. 8	Sept 29, 2025 09:29	**GARCIA-ext, Angel Luis**	
v. 7	Sept 24, 2025 09:31	**PILLAY-ext, Lawrence**	
v. 6	Sept 24, 2025 00:04	**PILLAY-ext, Lawrence**	
v. 5	Sept 23, 2025 23:59	**PILLAY-ext, Lawrence**	

Go to Page History

Workflow history

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

Workflow history

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

Nov 17, 2025	Actor	Type	Activity	Version
Approved	TAN-ext, Charmaine	State	changed state to Approved at 12:42 pm (State override) *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	v14
Lead Approval	TAN-ext, Charmaine	State	gave *Minor change* approval at 12:42 pm *[PMO Comments] Conversion Spec completed as per CS register and functional review completed*	
Oct 29, 2025				
	GARCIA-ext, Angel Luis	State	changed expiry date to '05 Nov, 2025 11:42 am' at 11:42 am	
		State	changed state to Lead Approval at 11:42 am	v14
Tech Review	GARCIA-ext, Angel Luis	State	gave *Syniti Team Review* approval at 11:42 am	
Oct 28, 2025				
	NAIDU-ext, Prasad	State	changed expiry date to '02 Nov, 2025 12:53 pm' at 12:53 pm	
		State	changed state to Tech Review at 12:53 pm	v14