CNV-1056 Resources

Update in progress

Status	Update in progress
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Purpose

The purpose of this document is to define the conversion approach to create 1056 - Resources in S/4 HANA.

Resources are used to identify the production lines, equipment and all the machines related to the production execution process. Resources are the main data to be used to design the Master Recipes for all the Syensqo plants.

Conversion Scope

The scope of this document covers the approach for converting active 1056- Resources from Legacy Source Systems into S/4HANA following the Resource Master Data Design Standard.

Stand alone rules

The data from legacy system includes:

1. Active Resources as of > four (4) years with history and/or included in active Recipes / Process Orders
2. Resources W/O Deletion Flag
3. Resources that will be migrated to the To-Be Plant Mapping (Take in consideration the To-Be definition of Plants

The data from legacy system excludes:

1. Inactive Resources with more than Four (4) years.
2. Resources marked for deletion
3. Resources belonging to Deleted plants (New plant Definition according with the To-Be Plant mapping)

Relevancy rule

1. Material/Plant with history and include active process orders - Materials defined via Status at global and Plant level (MARC/MARA)
2. Defined materials which are recognised as active and contain 4 years process order history, these are then checked against active BOMS to define Master Recipe at Plant level
3. Master Recipes defined as per the Material Master containing 4 years Process order History, define the Resource by Plant
4. For WP2, we are only going to be running Cleansing reports for 2 plants, Plants 8430 and 8628.
5. For reports we should only use 0008 as the Work Centre Category.

Material Plant Active with Four years Process order History ➡ defines Active BOMS by Plant ➡ defines Active Master Recipe by Plant ➡ Defines the Resource by Plant.

Plant Merging

Plants will be defined accordingly as some plants will be merged into one plant. Plants will be defined as NEW plant codes and be transformed via a transformation table, which will be contained in Syniti.

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	Resources will be extracted from PF2 and WP2	PF2 - 6096 WP2 - 9077	S/4 HANA	PF2 - 6096 WP2 - 9077

Additional Information

Multi-language Requirement

English , French, Mandarin, Spanish, German, Italian, Brazilian Portuguese

Document Management

Legal Requirement

N/A

Special Requirements

N/a

N/a

Target Design

The technical design of the target for this conversion approach.

	Table	Field	Data Element	Field Description	Data Type	Length	Requirement	MDS Field Mapping in Scope	Field Value in MDS
1	CRHD	OBJTY	CR_OBJTY	Object type	CHAR	2	S	In Scope	
2	CRHD	OBJID	CR_OBJID	Object ID	NUMC	8	S		
3	CRHD	ARBPL	ARBPL	Work Center	CHAR	8	R		TBD
4	CRHD	WERKS	WERKS_D	Plant	CHAR	4	R		TBD
5	CRHD	VERWE	AP_VERWE	Work Center Category	CHAR	4	R		0008 Processing Unit
6	CRHD	PLANV	AP_PLANV	Key for task list usage	CHAR	3	R		0008 Master Recipe + Process Order
7	CRHD	STAND	AP_STAND	Work center location	CHAR	10	C		MFG Execution Config Register
8	CRHD	VERAN	AP_VERAN	Person Responsible for the Work Center	CHAR	3	C		Copy from Legacy
9	CRHD	VGWTS	VORGSCHL	Standard Value Key	CHAR	4	R		SAP9
10	CRHD	VGM01	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	C		Value taken from STD Value Key SAP9 - value entered should be 2
11	CRHD	VGM02	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	C		Value taken from STD Value Key SAP9 - value entered should be 2
12	CRHD	VGM03	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	C		Value taken from STD Value Key SAP9 - value entered should be 2
13	CRHD	VGM04	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	C		Value taken from STD Value Key SAP9 - value entered should be 2
14	CRHD	VGM05	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	NU		
15	CRHD	VGM06	AP_VGW_MES	Rule for standard value maintenance	CHAR	1	NU		
16	CRHD	ZGR01	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
17	CRHD	ZGR02	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
18	CRHD	ZGR03	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
19	CRHD	ZGR04	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
20	CRHD	ZGR05	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
21	CRHD	ZGR06	IDZEITGRAD	Key for performance efficiency rate	CHAR	3	NU		
22	CRHD	PRVBE	PRVBE	Production Supply Area	CHAR	10	C		
23	CRHD	RGEKZ	RGEKZAP	Indicator: Backflushing	CHAR	1	C		
24	CRHD	STEUS	STEUS	Control Key	CHAR	4	R		

25	CRHD	VGE01	VGWRTEH	Unit of measure for the standard value	UNIT	3	C		Value taken from STD Value Key SAP9
26	CRHD	VGE02	VGWRTEH	Unit of measure for the standard value	UNIT	3	C		Value taken from STD Value Key SAP9
27	CRHD	VGE03	VGWRTEH	Unit of measure for the standard value	UNIT	3	C		Value taken from STD Value Key SAP9
28	CRHD	VGE04	VGWRTEH	Unit of measure for the standard value	UNIT	3	C		Value taken from STD Value Key SAP9
29	CRHD	VGE05	VGWRTEH	Unit of measure for the standard value	UNIT	3	NU		
30	CRHD	VGE06	VGWRTEH	Unit of measure for the standard value	UNIT	3	NU		
31	CRHD	FORT1	AP_FORM_T1	Formula for setup time	CHAR	6	C		
32	CRHD	FORT2	AP_FORM_T2	Formula for the duration of processing time	CHAR	6	R		
33	CRHD	FORT3	AP_FORM_T3	Formula for teardown time	CHAR	6	C		
34	CRHD	FORTN	AP_FORM_TN	Formula for the duration of other types of int. processing	CHAR	6	NU		
35	CRTX	OBJTY	CR_OBJTY	Object type	CHAR	2	S		
36	CRTX	OBJID	CR_OBJID	Object ID	NUMC	8	S		
37	CRTX	SPRAS	SPRAS	Language	CHAR	1	R		
38	CRTX	KTEXT	CR_KTEXT	Short description	CHAR	40	R		
39	CRCA	OBJTY	CR_OBJTY	Object Type	CHAR	2	S		
40	CRCA	OBJID	CR_OBJID	Object ID	NUMC	8	S		
41	CRCA	CANUM	CR_CAPNUM	Capacity allocation number	NUMC	4	S		TBD
42	CRCA	FORK1	AP_FORM_K1	Formula for Setup Capacity Requirements	CHAR	6	R		
43	CRCA	FORK2	AP_FORM_K2	Formula for Processing Capacity Requirements	CHAR	6	R		
44	CRCA	FORK3	AP_FORM_K3	Formula for Teardown Capacity Requirements	CHAR	6	NU		
45	CRCA	FORKN	AP_FORM_KN	Formula for Other Capacity Requirements	CHAR	6	NU		
46	CRCA	KAPID	KAPID	Capacity ID	NUMC	8	S		
47	KAKT	KAPID	KAPID	Capacity ID	NUMC	8	S		
48	KAKT	SPRAS	SPRAS	Language	CHAR	1	R		
49	KAKT	KTEXT	CR_KTEXT	Capacity Text	CHAR	40	R		
50	CRCO	OBJTY	CR_OBJTY	Object type	CHAR	2	S		
51	CRCO	OBJID	CR_OBJID	Object ID	NUMC	8	S		
52	CRCO	LASET	#N/A	Activity Type Set	CHAR	6	S		
53	CRCO	ENDDA	ENDDATUM	End Date	DATS	8	R		31/12/9999
54	CRCO	BEGDA	BEGDATUM	Start Date	DATS	8	R		
55	CRCO	KOKRS	KOKRS	CO Area	CHAR	4	R		
56	CRCO	KOSTL	KOSTL	Cost Center	CHAR	10	R		
57	CRCO	LSTAR1	LSTAR	Activity Type	CHAR	6	C		
58	CRCO	LEINH1	LEINH	Activity Unit	UNIT	3	C		
59	CRCO	FORML1	FORML	Formula key for costing	CHAR	6	R		Value taken from STD Value Key SAP9
60	CRCO	LSTAR2	LSTAR	Activity Type	CHAR	6	C		
61	CRCO	LEINH2	LEINH	Activity Unit	UNIT	3	C		
62	CRCO	FORML2	FORML	Formula key for costing	CHAR	6	R		Value taken from STD Value Key SAP9
63	CRCO	LSTAR3	LSTAR	Activity Type	CHAR	6	C		
64	CRCO	LEINH3	LEINH	Activity Unit	UNIT	3	C		
65	CRCO	FORML3	FORML	Formula key for costing	CHAR	6	R		Value taken from STD Value Key SAP9
66	CRCO	LSTAR4	LSTAR	Activity Type	CHAR	6	C		
67	CRCO	LEINH4	LEINH	Activity Unit	UNIT	3	C		
68	CRCO	FORML4	FORML	Formula key for costing	CHAR	6	R		Value taken from STD Value Key SAP9
69	CRCO	LSTAR5	LSTAR	Activity Type	CHAR	6	NU		
70	CRCO	LEINH5	LEINH	Activity Unit	UNIT	3	NU		

71	CRCO	FORML5	FORML	Formula key for costing	CHAR	6	NU		
72	CRCO	LSTAR6	LSTAR	Activity Type	CHAR	6	NU		
73	CRCO	LEINH6	LEINH	Activity Unit	UNIT	3	NU		
74	CRCO	FORML6	FORML	Formula key for costing	CHAR	6	NU		
75	CRCO	LANUM	CR_LANUM	Activity type number within a set	NUMC	4	NU		
76	KAKO	KAPID	KAPID	Capacity ID	NUMC	8	S		
77	KAKO	AZMAX	KAPANZAHL	No. Ind. Capacities	INT2	5	NU		
78	KAKO	AZNOR	KAPANZAHL	No. Ind. Capacities	INT2	5	R		
79	KAKO	BASNE	KAPBASNEN	Denominator base cap	DEC	5	S		
80	KAKO	BASZL	KAPBASZHL	Numerator base cap.	DEC	5	S		
81	KAKO	BEGZT	KAPBEGZT	Start Time	INT4	10	R		
82	KAKO	ENDZT	KAPENDZT	End Time	INT4	10	R		
83	KAKO	KALID	CR_WFCID	Factory Calendar	CHAR	2	C		
84	KAKO	KAPAR	KAPART	Capacity category	CHAR	3	R		
85	KAKO	MEINS	KAPBASIS	Capacity Base Unit	UNIT	3	R		
86	KAKO	MOSID	SCHGRUP	Shift Grouping	CHAR	2	C		
87	KAKO	NAME	KAPNAME	Capacity	CHAR	8	NU		
88	KAKO	NGRAD	NUTZGRAD	Capacity Utilization	NUMC	3	R		
89	KAKO	PAUSE	KAPPAUSE	Break Duration	INT4	10	R		
90	KAKO	PLANR	KAPPLANER	Capacity Responsible Planner	CHAR	3	R		
91	KAKO	POOLK	KAP_KZPOOL	Pooled Capacity Indicator	CHAR	1	C		
92	KAKO	REFAN	KAPREFANZN	Number (ref. cap.)	INT1	3	C		Not used because it is only used if you are going to do a new creation once we are live
93	KAKO	REFAZ	KAPREFANZZ	Number (capacity)	INT1	3	C		Not used because it is only used if you are going to do a new creation once we are live
94	KAKO	REFID	KAPID	Capacity ID	NUMC	8	C		Not used because it is only used if you are going to do a new creation once we are live
95	KAKO	SUPPK	KAP_SUPPLY	Avail. cap. limits	CHAR	1	C (if not entered, 100% will be the default)		
96	KAKO	VERSA	KAPVERSAKT	Active Version	NUMC	2	R		
97	KAKO	WERKS	WERKS_D	Plant	CHAR	4	NU		
98	KAKO	KAPIE	KAPID	Capacity ID	NUMC	8	NU		
99	KAKO	KAPTER	KAP_KZTER	Relevant to Finite Scheduling	CHAR	1	C		
100	KAKO	KAPAVO	KAP_KZAVO	Can be used by several operations	CHAR	1	C		
101	KAKO	UEBERLAST	UEBERLAST	Overload (%)	NUMC	3	C		
102	KAKO	KAPLPL	KAP_KZLPL	No Long-Term Planning	CHAR	1	C		
103	KAKO	KAPEH	CR_KAPEH	Capacity Unit	UNIT	3	NU		
104	KAKO	MEHR	KAP_MEHR	Has Individual Capacities	CHAR	1	NU		
105	KAKO	ANG_UNIT	KAPAZIT_VM_UNIT	Av. cap. unit	UNIT	3	C		NU - CFC9 manages it through APO without the need to update manually the fields are not required for ADM
106	KAKO	ANG_MIN	KAPAZIT_VM_MIN	Minimum capacity	QUAN	13	C		NU - CFC9 manages it through APO without the need to update manually the fields are not required for ADM
107	KAKO	ANG_MAX	KAPAZIT_VM_MAX	Max. capacity	QUAN	13	C		NU - CFC9 manages it through APO without the need to update manually the fields are not required for ADM

Data Cleansing

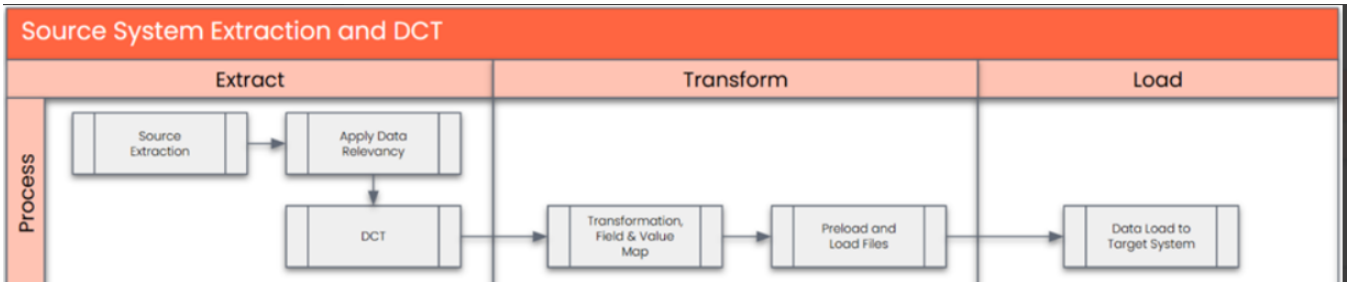
Business will perform data cleansing in the current ECC system. This means ECC will serve as the **single source of truth** for Manufacturing Data prior to the migration to S/4HANA.

ID	Criticality	Error Message/Report Description	Rule	Output	Source System

1056 -1	C1	Resource is not used for the last 4 years	All Resources not used for the last 4 years, won't be migrated	Active Resources during the last 4 years	PF2 /WP2
1056 -2	C1	Resource is flagged for deletion	All Resources flagged for deletion won't be migrated	Resources with NO flag for deletion	PF2/WP2
1056 -3	C1	Resources in Plants that are Out of Scope	Resources created in Plants Out of Scope won't be migrated	Resources valid in Active plants (To Be mapping)	PF2/WP2
1056 -4	C1	Resources with No formulas for capacity, scheduling or costing	Resources with missing capacity, Scheduling and costing formulas won't be migrated	Only Resources with all formulas will be migrated	PF2/WP2

Conversion Process

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



Data Privacy and Sensitivity

Extraction

Extract data from a source into . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into . 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 ; 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 . This is to be conducted using DCT (Data Collection Template) in

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/ MS Excel/ SQL report pre-populated with PF2 and WP2 information to be generated based on relevancy criteria.	SyWay Data Team
3	Sinity will extract data and convert it into SQL data base ad share with the team	Sinity team

Selection Screen

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

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.

DCT1 - 1056 Resource Header Page

Field Name	Field description	Rule	Mappings
CRHD-KAPID	Capacity ID	ID to identify the capacity header	System Generated Field
		Data Type: Numeric	
		Length: 8	
CRHD-ARBPL	Work Center	Represents a machine, group of machines, production line or a person assigned to an operation	Value Mapping from A to B for Resource ID by plant
		Data Type: Character	
		Length: 8	
CRHD-WERKS	Plant	Key uniquely identifying a plant	Map from Old Plants to New Plants
		Data Type: Character	
		Length: 4	
CRHD-VERWE	Work Center Category	Key differentiating resources according to their category (e.g. resource network, process unit)	Default Value - 0008
		Data Type: Character	
		Length: 4	
CRHD-PLANV	Key for task list usage	Controls which type of tasks list are allowed to use this resource	Copy from DCT
		Data Type: Character	
		Length: 3	
CRHD-STAND	Work center location	Represents the physical location of the resource	Copy from DCT
		Data Type: Character	
		Length: 10	
CRHD-VERAN	Person Responsible for the Work Center	The person or group of people who are responsible for the maintenance of the resource - Useful for Reporting purposes	Copy from DCT
		Data Type: Character	
		Length: 3	
CRHD-VGWTS	Standard Value Key	The system uses standard values as parameters with origin "standard value" in formulas to calculate execution time, capacity requirements and costs	Default Value - SAP9
		Data Type: Character	
		Length: 4	
CRHD-VGM01	Rule for standard value maintenance	Determines how the system reacts when you enter or do not enter a standard value in an operation of a Master Recipe (must be entered, should be entered, should not be entered, cannot be entered)	Default Value - 2
		Data Type: Character	
		Length: 1	
CRHD-VGM02	Rule for standard value maintenance	Determines how the system reacts when you enter or do not enter a standard value in an operation of a Master Recipe (must be entered, should be entered, should not be entered, cannot be entered)	Default Value - 2
		Data Type: Character	
		Length: 1	

CRHD-VGM03	Rule for standard value maintenance	Determines how the system reacts when you enter or do not enter a standard value in an operation of a Master Recipe (must be entered, should be entered, should not be entered, cannot be entered)	Default Value - 2
		Data Type: Character	
		Length: 1	
CRHD-VGM04	Rule for standard value maintenance	Determines how the system reacts when you enter or do not enter a standard value in an operation of a Master Recipe (must be entered, should be entered, should not be entered, cannot be entered)	Default Value - 2
		Data Type: Character	
		Length: 1	
CRHD-PRVBE	Production Supply Area	Serves as a place for interim storage on the shop floor and is used to make material directly available for production purposes	Because the warehouse can support holding stock that belongs to more than one plant, the PP PSA is replicated to EWM by adding the plant number preceded by a "/" to be able to tell in the warehouse to which plant the original PSA belongs. - Value Mapping
		Will be used for EWM flows	
		Data Type: Character	
		Length: 10	
CRHD-RGEKZ	Indicator: Backflushing	Indicates that material components allocated to the operation are backflushed	Copy from DCT
		Data Type: Character	
		Length: 1	
CRHD-STEUS	Control Key	Determines which business transactions should be executed for the object that belongs to the task list or order (for example scheduling or costing).	Copy from DCT
		Data Type: Character	
		Length: 4	
CRHD-VGE01	Unit of measure for the standard value	Unit of the standard value. If you have specified a unit in the work center, your entry is taken as the default value	Value automatically to be taken from VGWTS - STD value key
		Data Type: Unit	
		Length: 3	
CRHD-VGE02	Unit of measure for the standard value	Unit of the standard value. If you have specified a unit in the work center, your entry is taken as the default value	Value automatically to be taken from VGWTS - STD value key
		Data Type: Unit	
		Length: 3	
CRHD-VGE03	Unit of measure for the standard value	Unit of the standard value. If you have specified a unit in the work center, your entry is taken as the default value	Value automatically to be taken from VGWTS - STD value key
		Data Type: Unit	
		Length: 3	
CRHD-VGE04	Unit of measure for the standard value	Unit of the standard value. If you have specified a unit in the work center, your entry is taken as the default value	Value automatically to be taken from VGWTS - STD value key
		Data Type: Unit	
		Length: 3	
CRHD-FORT1	Formula for setup time	Formula used in scheduling to calculate the setup time of an operation	Default Value - SAP001
		Data Type: Character	
		Length: 6	
CRHD-FORT2	Formula for the duration of processing time	Formula used in scheduling to determine the operation processing time	Default Value - SAP002
		Data Type: Character	
		Length: 6	
CRHD-FORT3	Formula for teardown time	Formula used in scheduling to determine teardown time in an operation	Default Value - SAP010
		Data Type: Character	
		Length: 6	

DCT2 - 1056 Resource Description			
Field Name	**Field description**	**Rule**	**Mappings**
CRHD-ARBPL	Work Center	Represents a machine, group of machines, production line or a person assigned to an operation	Value Mapping from A to B for Resource ID by plant
		Data Type: Character	
		Length: 8	
CRTX-KTEXT	Short description	Contains a brief description of the resource	Copy from DCT
		Data Type: Character	
		Length: 40	
CRTX-SPRAS	Language	Language	Copy from DCT
		Data Type: Character	
		Length: 1	
DCT3 - 1056 Resource Cost Center			
Field Name	**Field description**	**Rule**	**Mappings**
CRHD-ARBPL	Work Center	Represents a machine, group of machines, production line or a person assigned to an operation	Value Mapping from A to B for Resource ID by plant
		Data Type: Character	
		Length: 8	
CRCO-ENDDA	End Date	date that identifies the end of the validity period	Default Value - 31/12/9999
		Data Type: Date Field	
		Length: 8 DD/MM/YYYY	
CRCO-BEGDA	Start Date	date that identifies the start of a validity period	Copy from DCT
		Data Type: Date Field	
		Length: 8 DD/MM/YYYY	
CRCO-LASET	Activity Type Set	Activity Type Set	System Generated Field
		Data Type: Character	
		Length: 6	
CRCO-KOKRS	CO Area	An organizational unit within an enterprise for which a complete cost accounting can be performed within a closed system	This is Part of DCT in the Cost centre Conversion Spec - Value Mapping
		Data Type: Character	
		Length: 4	
CRCO-KOSTL	Cost Center	Represents a delimited location where costs occur	This is Part of DCT in the Cost centre Conversion Spec - Value Mapping
		Data Type: Character	
		Length: 10	
CRCO-LSTAR	Activity Type	Activity types describe the activity produced by a cost center and are measured in units of time or quantity	This is Part of DCT in the Cost centre Conversion Spec - Value Mapping
		Data Type: Character	
		Length: 6	
CRCO-LEINH	Activity Unit	The activity unit is either the time or quantity unit used to post the consumed activity quantities	This is Part of DCT in the Cost centre Conversion Spec - Value Mapping
		Data Type: Unit	
		Length: 3	
CRCO-FORML	Formula key for costing	Refers to the formula used for Calculation of costs of a work center's activity type	for LANUM 001 Then -> Default Value - SAP001 for LANUM 002 Then -> Default Value - SAP002 for LANUM 003 Then -> Default Value - SAP003 for LANUM 004 Then -> Default Value - SAP010
		Data Type: Character	

		Length: 6	
CRCO-LANUM	Activity type number within a set	Activity type number within a set	NU not used (Value to be entered into the DCT)
		Data Type: NUMC	
		Length: 4	
DCT4 - 1056 Resource Capacity Header Segment			
Field Name	**Field description**	**Rule**	**Mappings**
CRHD-ARBPL	Work Center	Represents a machine, group of machines, production line or a person assigned to an operation	Value Mapping from A to B for Resource ID by plant
		Data Type: Character	
		Length: 8	
KAKO-KAPID	Capacity ID	ID to identify the capacity header	System Generated Field
		Data Type: Numeric	
		Length: 8	
KAKO-AZNOR	No. Ind. Capacities	Number of individual capacities	Copy from DCT
		Data Type: Decimal	
		Length: 5	
KAKO-BEGZT	Start Time	Start time in seconds (internal)	Copy from DCT
		Data Type: Integer 4	
		Length: 10	
KAKO-ENDZT	End Time	Finish time in seconds (internal)	Copy from DCT
		Data Type: Integer 4	
		Length: 10	
KAKO-KALID	Factory Calendar	Factory calendar ID	The calendar used is the one assigned to the plant or it's a calendar defined in the same country - Factory Calendar under TM team to define the values, Value Mapping table from A to B Copy from DCT
		Data Type: Character	
		Length: 2	
KAKO-KAPAR	Capacity category	Capacity category	Copy from DCT
		Data Type: Character	
		Length: 3	
KAKO-KAPAVO	Can be used by several operations	Indicator: Several operations can use capacity	Default Value - X
		Data Type: Character	
		Length: 1	
KAKO-KAPLPL	No Long-Term Planning	Indicator: Capacity excluded from long-term planning	Default Value - X
		Data Type: Character	
		Length: 1	
KAKO-KAPTER	Relevant to Finite Scheduling	Indicator: Capacity relevant to finite scheduling	Default Value - X
		Data Type: Character	
		Length: 1	
KAKO-MEINS	Capacity Base Unit	Base Unit of Measurement for Capacity	Copy from DCT
		Data Type: Unit	
		Length: 3	
KAKO-MOSID	Shift Grouping	Grouping for Shift Definitions and Shift Sequences	Copy from DCT
		Data Type: Character	
		Length: 2	
KAKO-	Capacity	Capacity utilization rate (percent)	Copy from DCT

NGRAD	Utilization	Data Type: Numeric	
		Length: 3	
KAKO-PAUSE	Break Duration	Cumulative break time in seconds (internal)	Copy from DCT
		Data Type: Integer 4	
		Length: 10	
KAKO-PLANR	Capacity Responsible Planner	Capacity planner group	Copy from DCT
		Data Type: Character	
		Length: 3	
KAKO-SUPPK	Avail. cap. limits	Available capacity limits	Copy from DCT
		Data Type: Character	
		Length: 1	
KAKO-UEBERLAST	Overload (%)	Overload Capacity	Copy from DCT
		Data Type: Numeric	
		Length: 3	
KAKO-VERSA	Active Version	Active version of available capacity	Copy from DCT
		Data Type: Numeric	
		Length: 2	
DCT5 - 1056 Resource Description			
Field Name	**Field description**	**Rule**	**Mappings**
KAKT-KAPID	Capacity ID	ID to identify the capacity header	System Generated Field
		Data Type: Numeric	
		Length: 8	
KAKT-SPRAS	Language	Language of the text displayed	Copy from DCT
		Data Type: Character	
		Length: 1	
KAKT-KTEXT	Capacity Text	Description of Capacity	Copy from DCT
		Data Type: Character	
		Length: 40	
DCT6 - 1056 Resource Capacity Allocation			
Field Name	**Field description**	**Rule**	**Mappings**
CRCA-KAPID	Capacity ID	ID to identify the capacity header	System Generated Field
		Data Type: Numeric	
		Length: 8	
CRCA-CANUM	Capacity allocation number	Capacity allocation number	System Generated Field
		Data Type: Numeric	
		Length: 4	
CRCA-FORK1	Formula for Setup Capacity Requirements	Formula for Setup Capacity Requirements	
		Data Type: Character	
		Length: 6	
CRCA-FORK2	Formula for Processing Capacity Requirements	Formula for Processing Capacity Requirements	
		Data Type: Character	
		Length: 6	

Extraction Dependencies

Item #	Step Description	Team Responsible
1	**Source System Availability** • Ensure that the source database or application is accessible. • Confirm that necessary credentials and permissions are granted	Syensqo IT
2	**Data Structure** • Identify relationships between tables, views, and stored procedures.	Syniti
3	**Referential Integrity** • Ensure dependent records are extracted together.	Syniti
4	**Extraction Methodology** • Define whether extraction is **full, incremental, or delta-based**. • Establish batch processing schedules for large datasets.	Syniti
5	**Performance and Scalability Considerations** • Optimize extraction queries to prevent system overload. • Ensure network bandwidth supports data transfer volumes.	Syniti
6	**Security and Compliance** • Adhere to regulatory standards for sensitive information if applicable	Syniti
7	Data cleansing of legacy Resource - If standardization within the DCT begins using relevant data from PF2 and WP2 before the cleansing is finalized, it is understood that the business will take due diligence to ensure any subsequent delta cleansing is verified and aligned within the DCT.	Business

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 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
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	<Add steps from Syniti Migrate here>	SyWay Data Team
3	Review and Validate Error and Preload Reports	SyWay Data Team
4	Generate Load Files	SyWay Data Team

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	PF2/WP2	CRHD	OBJTY	Object type	S4 HANA	CRHD	OBJTY	Object type	System Generated Field
2	PF2/WP2	CRHD	OBJID	Object ID	S4 HANA	CRHD	OBJID	Object ID	System Generated Field
3	PF2/WP2	CRHD	ARBPL	Resource ID	S4 HANA	CRHD	ARBPL	Resource ID	Value Mapping from A to B for Resource ID by plant
4	PF2/WP2	CRHD	WERKS	Plant	S4 HANA	CRHD	WERKS	Plant	Map from Old Plants to New Plants
5	PF2/WP2	CRHD	VERWE	Work Center Category	S4 HANA	CRHD	VERWE	Work Center Category	VALUE 0008
6	PF2/WP2	CRHD	PLANV	Key for task list usage	S4 HANA	CRHD	PLANV	Key for task list usage	Value Direct from the current system
7	PF2/WP2	CRHD	STAND	Work Center location	S4 HANA	CRHD	STAND	Work Center location	Copy from Legacy
8	PF2/WP2	CRHD	VERAN	Person Responsible for the Work Center	S4 HANA	CRHD	VERAN		Copy from Legacy, if blank please populate with 001
9	PF2/WP2	CRHD	VGWTS	Standard Value Key	S4 HANA	CRHD	VGWTS	Standard Value Key	Follow Mfg Execution Config book (one standard value key for all resources / all GBUs) Value - SAP9
10	PF2/WP2	CRHD	VGM01	Rule for standard value maintenance	S4 HANA	CRHD	VGM01	Rule for standard value maintenance	Value automatically to be taken from VGWTS - STD value key (Value entered should be 2)
11	PF2/WP2	CRHD	VGM02	Rule for standard value maintenance	S4 HANA	CRHD	VGM02	Rule for standard value maintenance	Value automatically to be taken from VGWTS - STD value key (Value entered should be 2)
12	PF2/WP2	CRHD	VGM03	Rule for standard value maintenance	S4 HANA	CRHD	VGM03	Rule for standard value maintenance	Value automatically to be taken from VGWTS - STD value key (Value entered should be 2)
13	PF2/WP2	CRHD	VGM04	Rule for standard value maintenance	S4 HANA	CRHD	VGM04	Rule for standard value maintenance	Value automatically to be taken from VGWTS - STD value key (Value entered should be 2)
14	PF2/WP2	CRHD	PRVBE	Production Supply Area	S4 HANA	CRHD	PRVBE	Production Supply Area	Business Rule This field will be populated if relevant for EWM based on the plant (this has not been completely defined yet) MDS for EWM DD-FUN-050 Master Data Standard_1180-PSA (EWM) Because the warehouse can support holding stock that belongs to more than one plant, the PP PSA is replicated to EWM by adding the plant number preceded by a "/" to be able to tell in the warehouse to which plant the original PSA belongs. - **Value Mapping**
15	PF2/WP2	CRHD	RGEKZ	Indicator: Backflushing	S4 HANA	CRHD	RGEKZ	Indicator: Backflushing	Business Rule If all components used at a machine/line should be automatically issued at confirmation - Copy from Legacy
16	PF2/WP2	CRHD	STEUS	Control Key	S4 HANA	CRHD	STEUS	Control Key	Mandatory Direct from the current system
17	PF2/WP2	CRHD	VGE01	Unit of measure for the standard value	S4 HANA	CRHD	VGE01	Unit of measure for the standard value	R - Value automatically to be taken from VGWTS - STD value key
18	PF2/WP2	CRHD	VGE02	Unit of measure for the standard value	S4 HANA	CRHD	VGE02	Unit of measure for the standard value	R - Value automatically to be taken from VGWTS - STD value key
19	PF2/WP2	CRHD	VGE03	Unit of measure for the standard value	S4 HANA	CRHD	VGE03	Unit of measure for the standard value	R - Value automatically to be taken from VGWTS - STD value key
20	PF2/WP2	CRHD	VGE04	Unit of measure for the standard value	S4 HANA	CRHD	VGE04	Unit of measure for the standard value	R - Value automatically to be taken from VGWTS - STD value key
21	PF2/WP2	CRHD	FORT1	Formula for setup time	S4 HANA	CRHD	FORT1	Formula for setup time	Standard Formula SAP001
22	PF2/WP2	CRHD	FORT2	Formula for the duration of processing time	S4 HANA	CRHD	FORT2	Formula for the duration of processing time	Standard Formula SAP002
23	PF2/WP2	CRHD	FORT3	Formula for teardown time	S4 HANA	CRHD	FORT3	Formula for teardown time	Standard Formula SAP010
24	PF2/WP2	CRTX	OBJTY	Object type	S4 HANA	CRTX	OBJTY	Object type	System Generated Field
25	PF2/WP2	CRTX	OBJID	Object ID	S4 HANA	CRTX	OBJID	Object ID	System Generated Field
26	PF2/WP2	CRTX	SPRAS	Language	S4 HANA	CRTX	SPRAS	Language	Value direct from the current SAP system, Languages will need to be configured, mostly set as EN (Language which the Resource is maintained)

27	PF2/WP2	CRTX	KTEXT	Short description	S4 HANA	CRTX	KTEXT	Short description	Copy from Legacy
28	PF2/WP2	CRCA	OBJTY	Object Type	S4 HANA	CRCA	OBJTY	Object Type	System Generated Field
29	PF2/WP2	CRCA	OBJID	Object ID	S4 HANA	CRCA	OBJID	Object ID	System Generated Field
30	PF2/WP2	CRCA	CANUM	Capacity allocation number	S4 HANA	CRCA	CANUM	Capacity allocation number	System Generated Field
31	PF2/WP2	CRCA	KAPID	Capacity ID	S4 HANA	CRCA	KAPID	Capacity ID	System Generated Field
32	PF2/WP2	CRCA	FORK1	Formula for Processing Capacity Requirements	S4 HANA	CRCA	FORK1	Formula for Processing Capacity Requirements	can be set to Blank (Waiting for functional to advise)
33	PF2/WP2	CRCA	FORK2	Formula for Teardown Capacity Requirements	S4 HANA	CRCA	FORK2	Formula for Teardown Capacity Requirements	can be set to Blank (Waiting for functional to advise)
34	PF2/WP2	KAKT	KAPID	Capacity ID	S4 HANA	KAKT	KAPID	Capacity ID	System Generated Field
35	PF2/WP2	KAKT	SPRAS	Language	S4 HANA	KAKT	SPRAS	Language	Value direct from the current SAP system, Languages will need to be configured, mostly set as EN (Language which the Capacity is maintained)
36	PF2/WP2	KAKT	KTEXT	Capacity Text	S4 HANA	KAKT	KTEXT	Capacity Text	Copy From Legacy
37	PF2/WP2	CRCO	OBJTY	Object type	S4 HANA	CRCO	OBJTY	Object type	System Generated Field
38	PF2/WP2	CRCO	OBJID	Object ID	S4 HANA	CRCO	OBJID	Object ID	System Generated Field
39	PF2/WP2	CRCO	LASET	Activity Type Set	S4 HANA	CRCO	LASET	Activity Type Set	System Generated Field
40	PF2/WP2	CRCO	ENDDA	End Date	S4 HANA	CRCO	ENDDA	End Date	End date has value set to 31/12/9999
41	PF2/WP2	CRCO	BEGDA	Start Date	S4 HANA	CRCO	BEGDA	Start Date	Date value setting DD.MM.YYYY Copy from current system
42	PF2/WP2	CRCO	KOKRS	CO Area	S4 HANA	CRCO	KOKRS	CO Area	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
43	PF2/WP2	CRCO	KOSTL	Cost Center	S4 HANA	CRCO	KOSTL	Cost Center	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
44	PF2/WP2	CRCO	LSTAR1	Activity Type	S4 HANA	CRCO	LSTAR1	Activity Type	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
45	PF2/WP2	CRCO	LEINH1	Activity Unit	S4 HANA	CRCO	LEINH1	Activity Unit	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
46	PF2/WP2	CRCO	FORML1	Formula key for costing	S4 HANA	CRCO	FORML1	Formula key for costing	NU - Value automatically to be taken from VGWTS - STD value Value - SAP001
47	PF2/WP2	CRCO	LSTAR2	Activity Type	S4 HANA	CRCO	LSTAR2	Activity Type	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
48	PF2/WP2	CRCO	LEINH2	Activity Unit	S4 HANA	CRCO	LEINH2	Activity Unit	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
49	PF2/WP2	CRCO	FORML2	Formula key for costing	S4 HANA	CRCO	FORML2	Formula key for costing	NU - Value automatically to be taken from VGWTS - STD value Value - SAP002
50	PF2/WP2	CRCO	LSTAR3	Activity Type	S4 HANA	CRCO	LSTAR3	Activity Type	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
51	PF2/WP2	CRCO	LEINH3	Activity Unit	S4 HANA	CRCO	LEINH3	Activity Unit	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
52	PF2/WP2	CRCO	FORML3	Formula key for costing	S4 HANA	CRCO	FORML3	Formula key for costing	NU - Value automatically to be taken from VGWTS - STD value Value - SAP003
53	PF2/WP2	CRCO	LSTAR4	Activity Type	S4 HANA	CRCO	LSTAR4	Activity Type	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
54	PF2/WP2	CRCO	LEINH4	Activity Unit	S4 HANA	CRCO	LEINH4	Activity Unit	This is Part of DCT in the Cost centre Conversion Spec - **Value Mapping**
55	PF2/WP2	CRCO	FORML4	Formula key for costing	S4 HANA	CRCO	FORML4	Formula key for costing	NU - Value automatically to be taken from VGWTS - STD value Value - SAP010
56	PF2/WP2	KAKO	KAPID	Capacity ID	S4 HANA	KAKO	KAPID	Capacity ID	System Generated
57	PF2/WP2	KAKO	AZNOR	No. Ind. Capacities	S4 HANA	KAKO	AZNOR	No. Ind. Capacities	Copy From ECC
58	PF2/WP2	KAKO	BASNE	Denominator base cap	S4 HANA	KAKO	BASNE	Denominator base cap	System Generated
59	PF2/WP2	KAKO	BASZL	Numerator base cap.	S4 HANA	KAKO	BASZL	Numerator base cap.	System Generated
60	PF2/WP2	KAKO	BEGZT	Start Time	S4 HANA	KAKO	BEGZT	Start Time	Copy From ECC
61	PF2/WP2	KAKO	ENDZT	End Time	S4 HANA	KAKO	ENDZT	End Time	Copy From ECC

62	PF2/WP2	KAKO	KALID	Factory Calendar	S4 HANA	KAKO	KALID	Factory Calendar	Conditional : Business Rule Assign the correct Factory Calendar to the resource. If left blank, the system will use directly the plant factory calendar by default The calendar used is the one assigned to the plant or it's a calendar defined in the same country - Factory Calendar under TM team to define the values**, Value Mapping table from A to B**
63	PF2/WP2	KAKO	KAPAR	Capacity category	S4 HANA	KAKO	KAPAR	Capacity category	Copy From ECC
64	PF2/WP2	KAKO	MEINS	Capacity Base Unit	S4 HANA	KAKO	MEINS	Capacity Base Unit	Copy From ECC
65	PF2/WP2	KAKO	MOSID	Shift Grouping	S4 HANA	KAKO	MOSID	Shift Grouping	Copy values by plant from Legacy
66	PF2/WP2	KAKO	NGRAD	Capacity Utilization	S4 HANA	KAKO	NGRAD	Capacity Utilization	Copy From ECC
67	PF2/WP2	KAKO	PAUSE	Break Duration	S4 HANA	KAKO	PAUSE	Break Duration	Copy From ECC
68	PF2/WP2	KAKO	PLANR	Capacity Responsible Planner	S4 HANA	KAKO	PLANR	Capacity Responsible Planner	Copy From ECC
69	PF2/WP2	KAKO	POOLK	Pooled Capacity Indicator	S4 HANA	KAKO	POOLK	Pooled Capacity Indicator	System Generated
70	PF2/WP2	KAKO	SUPPK	Avail. cap. limits	S4 HANA	KAKO	SUPPK	Avail. cap. limits	Conditional: Business Rule If not entered 100% capacity will be used by default in the system - Copy from ECC
71	PF2/WP2	KAKO	VERSA	Active Version	S4 HANA	KAKO	VERSA	Active Version	Copy From ECC
72	PF2/WP2	KAKO	KAPTER	Relevant to Finite Scheduling	S4 HANA	KAKO	KAPTER	Relevant to Finite Scheduling	Always set to X
73	PF2/WP2	KAKO	KAPAVO	Can be used by several operations	S4 HANA	KAKO	KAPAVO	Can be used by several operations	Always set to X
74	PF2/WP2	KAKO	UEBERLAST	Overload (%)	S4 HANA	KAKO	UEBERLAST	Overload (%)	Copy from ECC
75	PF2/WP2	KAKO	KAPLPL	No Long-Term Planning	S4 HANA	KAKO	KAPLPL	No Long-Term Planning	Always set to X
76	PF2/WP2	KAKO	ANG_UNIT	Av. cap. unit	S4 HANA	KAKO	ANG_UNIT	Av. cap. unit	NU - CFC9 manages it through APO without the need to update manually the fields are not required for ADM
77	PF2/WP2	KAKO	ANG_MIN	Minimum capacity	S4 HANA	KAKO	ANG_MIN	Minimum capacity	NU -CFC9 manages it through APO without the need to update manually the fields are not required for ADM
78	PF2/WP2	KAKO	ANG_MAX	Max. capacity	S4 HANA	KAKO	ANG_MAX	Max. capacity	NU -CFC9 manages it through APO without the need to update manually the fields are not required for ADM

Transformation Mapping

Mapping Table Name	Mapping Table Description
Work Centre	Mapping of legacy Work Center to new Work Centers to target system value
Plant	Mapping of legacy Plants to new Plants to target system value
Standard Value Key	Mapping of legacy Standard Value Key to new Standard Value Key to target system value

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	Value Mappings are according to the latest design - <List of Value Mappings>	SyWay Data Team

Pre-Load Validation

Project Team

Completeness

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

Accuracy

Task	Action
Conversion Accuracy	SyWay 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 Data Owner/s to verify that the total number of relevant records from the 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	Go to <Load Tool>	SyWay Data Team
2	Load 3 records for < > to validate if data is loaded successfully without errors	SyWay Data Team
3	Proceed with full load if steps 2 and 3 are validated	SyWay Data Team
4	Validate few records loaded by accessing standard transactions from S/4HNA eg. CS04	SyWay Data Team
5	Generate post load report if step 5 is validated	SyWay Data Team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
1	T001W-Plants/Branches
2	TC30-Work Centre Category
3	TC23-Key for use of the work center in the task lists
4	T499S-Work Centre Location
5	TC24-Person responsible for the work center
6	TC21-Standard Value Key
7	PVKT-Production Supply Area
8	T430-Control Key
9	T006-Units of Measurement
10	TC26-Capacity Category
11	TKA01-Controlling Areas
12	OP54-Formula key for costing
13	TFACD-Factory Calendar
14	TC39A-Shifting Group
15	TC27-Capacity Responsible Planner
16	TC36-Active Version

Conversion Objects

Object #	Preceding Object Conversion Approach
1071	Activity Type
1074	Cost Centre

Error Handling

Error Type	Error Description	Action Taken
1	Work Centre has not been created in a Plant	Ensure the Work centre mapping is correct and or create the Work centre if it is valid
2	Configuration is missing	Verify that all configuration exists and reprocess when they are available (See configuration in Spec)

Post-Load Validation

Project Team

Completeness

Task	Action

Verify Count	SyWay P2F 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.
Validation Reports	

Accuracy

Task	Action
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.).

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 Resource data in target S/4 HANA were loaded correctly via DSP Migrate 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.
- is in scope based on data design and any exception requested by business.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 115)	**Apr 29, 2026 14:24**	**ULLAH-ext, Colin**	
v. 114	Apr 28, 2026 08:50	**ULLAH-ext, Colin**	
v. 113	Apr 17, 2026 15:50	**ULLAH-ext, Colin**	
v. 112	Apr 17, 2026 14:38	**ULLAH-ext, Colin**	
v. 111	Apr 02, 2026 13:57	**ULLAH-ext, Colin**	
v. 110	Apr 02, 2026 13:25	**ULLAH-ext, Colin**	
v. 109	Apr 02, 2026 12:51	**ULLAH-ext, Colin**	
v. 108	Mar 12, 2026 15:35	**ULLAH-ext, Colin**	

v. 107	Mar 12, 2026 14:56	**ULLAH-ext, Colin**	ADDED OBJTY AND OBJID to DCT for KAKO and KAKT
v. 106	Mar 02, 2026 15:51	**ULLAH-ext, Colin**	

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.

From Apr 02, 2026 to Apr 29, 2026	Actor	Type	Activity	Version
Update in progress	ULLAH-ext, Colin	Edit	updated the page at 12:51 pm	
Mar 18, 2026				
	WENNINGER-ext, Sascha	State	changed state to Update in progress at 5:51 pm	v108
From Nov 10, 2025 to Mar 12, 2026				
Edited following Tech Review	ULLAH-ext, Colin	Edit	updated the page at 10:29 am	
	ULLAH-ext, Colin	State	changed state to Edited following Tech Review at 9:29 am	v78
Nov 06, 2025				
Lead Approval	MCARDLE-ext, Edward	State	changed expiry date to '13 Nov, 2025 02:11 pm' at 2:11 pm	
		State	changed state to Lead Approval at 2:11 pm	v77