

# CNV-1196 TM Schedules

|              |                    |
|--------------|--------------------|
| Status       | Approved           |
| Owner        | OMER-ext, Mohammed |
| Stakeholders |                    |

## Purpose

The purpose of this document is to define the conversion approach to create TM Schedules in S/4 HANA TM (Transportation management).

Schedules define a sequence of transportation stops such as ports, airports, or gateways, that is valid for a specific period of time. Ships, trucks, or airplanes can move goods at recurring times along the whole sequence or any part of it.

The data for TM Schedules in S/4 would need to be constructed in data collection template (DCT).

## Conversion Scope

The scope of this document covers the approach for creating TM Schedules in S/4HANA following the [TM Schedules Master Data Design Standard](#). This includes:

- Capturing and using the TM Schedule data in data collection template (DCT).
- Applying transformation logic via Syniti to conform with the S/4 HANA data model.
- Loading the transformed data into SAP S/4 HANA while ensuring data integrity.

The data from legacy system includes:

1. N/A (Manual data collection)

The data from legacy system excludes:

1. N/A (Manual data collection)

List of source systems and approximate number of records

| Source | Scope                    | Source Approx No. of Records | Target System | Target Approx No. of Records |
|--------|--------------------------|------------------------------|---------------|------------------------------|
| DCT    | Creation of TM Schedules | TBD                          | S/4 HANA (TM) | TBD                          |
|        |                          |                              |               |                              |
|        |                          |                              |               |                              |
|        |                          |                              |               |                              |

## Additional Information

### Multi-language Requirement

Schedule description will be made available in English.

Multi language is supported for schedules (KDD055 provides guidelines on the supported languages). Login via a different language will show the description displayed in the logon language if the language key is maintained.

### Document Management

Not Applicable.

### Legal Requirement

Not Applicable.

### Special Requirements

Not Applicable.

# Target Design

The complete information of the key fields that hold the TM Schedules information follows the Master Data Standard document.

The technical design of the target for this conversion approach.

| Table             | Field                  | Data Element           | Field Description                                 | Data Type  | Length | Requirement | Notes      |
|-------------------|------------------------|------------------------|---------------------------------------------------|------------|--------|-------------|------------|
| /SCMTMS /D_SCHROT | SCH_ID                 | SCH_ID                 | Schedule ID                                       | CHAR       | 40     | Mandatory   |            |
| /SCMTMS /D_SCHDSC | DESCRIPTION            | DESCRIPTION            | Schedule Description                              | CHAR       | 40     | Mandatory   |            |
| /SCMTMS /D_SCHROT | SCH_CAT                | SCH_CAT                | Schedule Category                                 | CHAR       | 2      | Mandatory   | S=Schedule |
| /SCMTMS /D_SCHROT | VAL_FROM_DATE          | VAL_FROM_DATE          | Valid from date                                   | NUM (DATE) | 15     | Mandatory   |            |
| /SCMTMS /D_SCHROT | VAL_TO_DATE            | VAL_TO_DATE            | Valid to date                                     | NUM (DATE) | 15     | Mandatory   |            |
| /SCMTMS /D_SCHROT | SCH_TYPE               | SCH_TYPE               | Schedule type                                     | CHAR       | 4      | Mandatory   |            |
| /SCMTMS /D_SCHROT | MOT                    | MOT                    | Transportation mode code                          | CHAR       | 2      | Mandatory   |            |
| /SCMTMS /D_SCHROT | PRD_TRANSP_GRP         | PRD_TRANSP_GRP         | Transportation Group                              | CHAR       | 4      | Conditional |            |
| /SCMTMS /D_SCHROT | TSP_AIRLC              | TSP_AIRLC              | Airline Code                                      | CHAR       | 3      | Conditional |            |
| /SCMTMS /D_SCHROT | FLIGHT_NO              | FLIGHT_NO              | Flight Number                                     | CHAR       | 5      | Conditional |            |
| /SCMTMS /D_SCHROT | AIRCRAFT_TC            | AIRCRAFT_TC            | Aircraft type                                     | CHAR       | 3      | Conditional |            |
| /SCMTMS /D_SCHROT | TSP                    | TSP                    | Carrier                                           | CHAR       | 16     | Mandatory   |            |
| /SCMTMS /D_SCHROT | OPERATING_CARRIER      | OPERATING_CARRIER      | Executing carrier                                 | CHAR       | 1      | Conditional |            |
| /SCMTMS /D_SCHROT | TSP_SCAC               | TSP_SCAC               | Carrier SCAC                                      | CHAR       | 4      | Conditional |            |
| /SCMTMS /D_SCHROT | LOOP_ID                | LOOP_ID                | Loop                                              | CHAR       | 40     | Conditional |            |
| /SCMTMS /D_SCHLOC | LOC_SEQ                | LOC_SEQ                | Sequence                                          | NUM        | 5      | Mandatory   |            |
| /SCMTMS /D_SCHLOC | LOC_TYPE               | LOC_TYPE               | Location Type Code                                | CHAR       | 4      | Mandatory   |            |
| /SCMTMS /D_SCHLOC | LOC_ROLE               | LOC_ROLE               | Role of the Location in a Schedule                | CHAR       | 2      | Mandatory   |            |
| /SCMTMS /D_SCHLOC | LOC_ID                 | LOC_ID                 | Location                                          | CHAR       | 20     | Mandatory   |            |
| /SCMTMS /D_SCHLOC | LOG_LOCIATA            | LOG_LOCIATA            | International Air Transport Association: Location | CHAR       | 3      | Conditional |            |
| /SCMTMS /D_SCHLOC | TSP                    | TSP                    | Carrier                                           | CHAR       | 16     | Conditional |            |
| /SCMTMS /D_SCHLOC | TSP_SCAC               | TSP_SCAC               | Standard Carrier Alpha Code                       | CHAR       | 4      | Conditional |            |
| /SCMTMS /D_SCHLOC | OPERATING_CARRIER      | OPERATING_CARRIER      | Executing Carrier of a Schedule                   | CHAR       | 1      | Conditional |            |
| /SCMTMS /D_SCHLOC | AIRCRAFT_TC            | AIRCRAFT_TC            | IATA Aircraft Type Code                           | CHAR       | 3      | Conditional |            |
| /SCMTMS /D_SCHLOC | TSP_AIRLC              | TSP_AIRLC              | IATA Airline Code                                 | CHAR       | 3      | Conditional |            |
| /SCMTMS /D_SCHLOC | SERVICE_STOP_INDICATOR | SERVICE_STOP_INDICATOR | Service Stop                                      | CHAR       | 1      | Conditional |            |
| /SCMTMS /D_SCHLOC | FLIGHT_NO              | FLIGHT_NO              | Flight Number                                     | CHAR       | 5      | Conditional |            |

|                      |                  |                  |                                                       |                    |      |                                             |                                     |
|----------------------|------------------|------------------|-------------------------------------------------------|--------------------|------|---------------------------------------------|-------------------------------------|
| /SCMTMS<br>/D_SCHLOC | REL_CARG_CO      | REL_CARG_CO      | Relative Cargo Cut-Off                                | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | CUT_OFF_DAYS     | CUT_OFF_DAYS     | Cargo Cut-Off (Offset in Days)                        | NUM                | 3    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | CUT_OFF_TIME     | CUT_OFF_TIME     | Cargo Cut-Off Time                                    | NUMC               | 6    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | REL_DOC_CO       | REL_DOC_CO       | Relative Document Cut-Off                             | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | DOC_CUT_OFF_DAYS | DOC_CUT_OFF_DAYS | Document Cut-Off (Offset in Days)                     | NUM                | 3    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | DOC_CUT_OFF_TIME | DOC_CUT_OFF_TIME | Document Cut-Off Time                                 | NUMC               | 6    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | REL_DG_CO        | REL_DG_CO        | Relative Dangerous Goods Cut-Off                      | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | DG_DOC_CUT_OFF_D | DG_DOC_CUT_OFF_D | Dangerous Goods Documents Cut-Off (Offset in Days)    | NUM                | 3    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | DG_DOC_CUT_OFF_T | DG_DOC_CUT_OFF_T | Dangerous Goods Document Cut-Off Time                 | NUMC               | 6    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | AVAIL_REL        | AVAIL_REL        | Relative Availability Time                            | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | AVAIL_DAYS       | AVAIL_DAYS       | Days to Availability                                  | NUM                | 3    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | AVAIL_TIME       | AVAIL_TIME       | Availability Time                                     | NUM                | 6    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | DISTANCE_KM      | DISTANCE_KM      | Distances for Schedule Stages                         | NUM                | 10,3 | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | PRECISION        | PRECISION        | Precision of Distance and Duration on Schedule Stages | CHAR               | 1    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | TRANSIT_TIME     | TRANSIT_TIME     | Transit Time                                          | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | STAY_TIME        | STAY_TIME        | Length of Stay                                        | NUM                | 11   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | MOT              | MOT              | Transportation Mode Code                              | CHAR               | 2    | Mandatory                                   |                                     |
| /SCMTMS<br>/D_SCHLOC | MTR              | MTR              | Means of Transport                                    | CHAR               | 10   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | TZONE            | TZONE            | Time Zone                                             | CHAR               | 6    | Mandatory                                   |                                     |
| /SCMTMS<br>/D_SCHLOC | ENTRY_PORT       | ENTRY_PORT       | Port of Entry                                         | CHAR               | 1    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | EXIT_PORT        | EXIT_PORT        | Port of Exit                                          | CHAR               | 1    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | LOC_POS          | LOC_POS          | Sequence Position                                     | CHAR               | 1    | Automatic                                   |                                     |
| /SCMTMS<br>/D_SCHLOC | SCH_REF          | SCH_REF          | Schedule Reference                                    | NUM                | 16   | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHLOC | STAGE_TYPE       | STAGE_TYPE       | Stage Type                                            | CHAR               | 3    | Conditional                                 |                                     |
| /SCMTMS<br>/D_SCHDPR | RULE_ID          | RULE_ID          | Departure Rule                                        | NUM                | 5    | Mandatory                                   |                                     |
| /SCMTMS<br>/D_SCHDPR | VAL_FROM         | VAL_FROM         | Validity Start                                        | NUM<br>(DATE)      | 8    | Mandatory                                   |                                     |
| /SCMTMS<br>/D_SCHDPR | VAL_TO           | VAL_TO           | Validity End                                          | NUM<br>(DATE)      | 8    | Mandatory                                   | Must be later than Valid From date. |
| /SCMTMS<br>/D_SCHDPR | MONDAY           | MONDAY           | Monday                                                | CHAR<br>(Checkbox) | 1    | Optional but minimum 1 day must be selected |                                     |
| /SCMTMS<br>/D_SCHDPR | TUESDAY          | TUESDAY          | Tuesday                                               | CHAR<br>(Checkbox) | 1    | Optional but minimum 1 day must be selected |                                     |
| /SCMTMS<br>/D_SCHDPR | WEDNESDAY        | WEDNESDAY        | Wednesday                                             | CHAR<br>(Checkbox) | 1    | Optional but minimum 1 day must be selected |                                     |
| /SCMTMS<br>/D_SCHDPR | THURSDAY         | THURSDAY         | Thursday                                              | CHAR<br>(Checkbox) | 1    | Optional but minimum 1 day must be selected |                                     |
| /SCMTMS<br>/D_SCHDPR | FRIDAY           | FRIDAY           | Friday                                                | CHAR<br>(Checkbox) | 1    | Optional but minimum 1 day must be selected |                                     |

|                   |                |                |                |                 |    |                                             |                                                                             |
|-------------------|----------------|----------------|----------------|-----------------|----|---------------------------------------------|-----------------------------------------------------------------------------|
| /SCMTMS /D_SCHDPR | SATURDAY       | SATURDAY       | Saturday       | CHAR (Checkbox) | 1  | Optional but minimum 1 day must be selected |                                                                             |
| /SCMTMS /D_SCHDPR | SUNDAY         | SUNDAY         | Sunday         | CHAR (Checkbox) | 1  | Optional but minimum 1 day must be selected |                                                                             |
| /SCMTMS /D_SCHDPR | VESSEL         | VESSEL         | Vessel         | CHAR            | 35 | Optional                                    | Only available on Schedules having Type that allows Ocean Mode of Transport |
| /SCMTMS /D_SCHDPR | DEPARTURE_TIME | DEPARTURE_TIME | Departure Time | NUM (TIME)      | 6  | Mandatory                                   |                                                                             |

## Data Cleansing

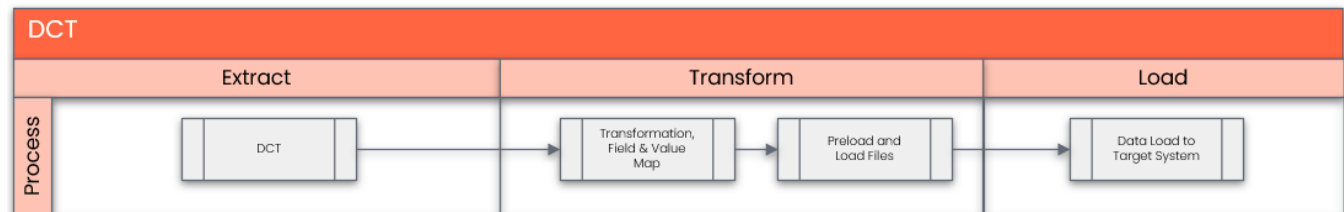
TM Schedules data will be populated directly in the Data Collection Template (DCT).

| ID | Criticality | Error Message/Report Description | Rule | Output | Source System |
|----|-------------|----------------------------------|------|--------|---------------|
|    |             |                                  |      |        |               |
|    |             |                                  |      |        |               |
|    |             |                                  |      |        |               |
|    |             |                                  |      |        |               |

## Conversion Process

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

Please note that the data may have to be loaded in multiple target systems (US instance, China instance and RoW).



## Data Privacy and Sensitivity

## Extraction

The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in Syniti Migrate. This is to be conducted using DCT (Data Collection Template) in Syniti Migrate.

The agreed Relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target loads

## Extraction Run Sheet

| Req # | Requirement Description                                                                                        | Team Responsible                         |
|-------|----------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1     | Data is populated in the DCT or uploaded from downloaded Excel template                                        | Data owner (Business)                    |
| 2     | If the data is uploaded to DCT in bulk via excel template, any upload errors need to be reviewed and corrected | Data owner (Business), Syniti/ Data Team |
| 3     | The data which has passed validation checks in DCT will be used for transformation/further processing          | Syniti                                   |

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

## 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 TM Schedules data with exception of some fields which require transformation as mentioned in the transformation rule.

Please refer to the below Google sheet for the DCT rules ([main DCT page](#) and [another page](#) for non English descriptions).

| Field Name | Field Description | Rule |
|------------|-------------------|------|
|            |                   |      |
|            |                   |      |
|            |                   |      |
|            |                   |      |

## Extraction Dependencies

Not applicable.

| Item # | Step Description | Team Responsible |
|--------|------------------|------------------|
|        |                  |                  |
|        |                  |                  |
|        |                  |                  |
|        |                  |                  |

## 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 platform 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 platform
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 | Capture the data for TM Schedules in DCT. Review and correct any errors if bulk uploading data via downloaded excel DCT template. | Business team                                 |
| 2 | Ensure the mapping tables which are needed during transformation have been reviewed and signed off by business.                   | Business team, Data Team (SCM)                |
| 3 | Obtain DCT Sign-off from Business                                                                                                 | Data Team (SCM)                               |
| 4 | Generate Pre-Load reports                                                                                                         | Data Team (Syniti)                            |
| 5 | Review and Validate Error and Preload Reports                                                                                     | Data Team (SCM)                               |
| 6 | Log errors as defects, if any and address resolutions.                                                                            | Data Team (SCM)                               |
| 7 | Re-transform and re-validate the Pre-load reports if necessary.                                                                   | Data Team (SCM), Data Team (Syniti)           |
| 8 | Obtain preload validation sign-off from Business                                                                                  | Business + Functional (SCM) + Data Team (SCM) |
| 9 | Generate Load Files                                                                                                               | Data Team (Syniti)                            |

## Transformation Rules

Please check the attached file for the complete source-to-target field mapping, validation checks and proposed error messages. The validation checks list is not exhaustive and may change over time as the design and configuration of the system evolves.

| Rule #   | Source system | Source Table | Source Field | Source Description | Target System | Target Table      | Target Field   | Target Description       | Transformation Logic | Notes                                                                                                                                                                  |
|----------|---------------|--------------|--------------|--------------------|---------------|-------------------|----------------|--------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1196-001 | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | SCH_ID         | Schedule ID              | Direct Mapping       | Will be auto generated by SAP (the Schedule ID in DCT is for uniquely tracking the record however at the time of record creation in SAP, new number will be generated) |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHDSC | DESCRIPTION    | Schedule Description     | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHDSC | LANGUAGE_CODE  | Language Key             | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | SCH_CAT        | Schedule Category        | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | VAL_FROM_DATE  | Valid from date          | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | VAL_TO_DATE    | Valid to date            | Direct Mapping       | Must be later than Valid From date.                                                                                                                                    |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | SCH_TYPE       | Schedule type            | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | MOT            | Transportation mode code | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | PRD_TRANSP_GRP | Transportation Group     | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | TSP_AIRLC      | Airline Code             | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | FLIGHT_NO      | Flight Number            | Direct Mapping       |                                                                                                                                                                        |
|          | DCT           |              |              |                    | SAP S/4 HANA  | /SCMTMS /D_SCHROT | AIRCRAFT_TC    | Aircraft type            | Direct Mapping       |                                                                                                                                                                        |

|  |     |     |            |                                       |              |                      |                        |                                                   |                                                                                               |                                                                                              |
|--|-----|-----|------------|---------------------------------------|--------------|----------------------|------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|  | DCT | N/A | zLegacySys | Field to capture legacy source system | SAP S/4 HANA | N/A                  | zLegacySys             | Carrier Source system                             | This will be used together with legacy vendor (carrier) in determining the new (S4) BP number |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHRO     | TSP                    | Carrier                                           | Value mapping: Use the legacy to SAP vendor mapping table to determine the new (S4) BP number | Carrier (Business partner) should exist in SAP.                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHRO     | OPERATING_CARRIER      | Executing carrier                                 | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHRO     | TSP_SCAC               | Carrier SCAC                                      | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHRO     | LOOP_ID                | Loop                                              | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | LOC_SEQ                | Sequence                                          | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | LOC_TYPE               | Location Type Code                                | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | LOC_ROLE               | Role of the Location in a Schedule                | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | LOC_ID                 | Location                                          | Direct Mapping                                                                                | Location should exist in SAP.<br>Schedule must have at least two locations (item level data) |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | LOG_LOCATION           | International Air Transport Association: Location | Direct Mapping                                                                                |                                                                                              |
|  | DCT | N/A | zLegacySys | Field to capture legacy source system | SAP S/4 HANA | N/A                  | zLegacySys             | Carrier Source system                             | This will be used together with legacy vendor (carrier) in determining the new (S4) BP number |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | TSP                    | Carrier                                           | Value mapping: Use the legacy to SAP vendor mapping table to determine the new (S4) BP number | Carrier (Business partner) should exist in SAP.                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | TSP_SCAC               | Standard Carrier Alpha Code                       | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | OPERATING_CARRIER      | Executing Carrier of a Schedule                   | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC_TC | AIRCRAFT               | IATA Aircraft Type Code                           | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | TSP_AIRLC              | IATA Airline Code                                 | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | SERVICE_STOP_INDICATOR | Service Stop                                      | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | FLIGHT_NO              | Flight Number                                     | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | REL_CARGO_CO           | Relative Cargo Cut-Off                            | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | CUT_OFF_DAYS           | Cargo Cut-Off (Offset in Days)                    | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | CUT_OFF_TIME           | Cargo Cut-Off Time                                | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | REL_DOC_CO             | Relative Document Cut-Off                         | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | DOC_CUTOFF_DAYS        | Document Cut-Off (Offset in Days)                 | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | DOC_CUTOFF_TIME        | Document Cut-Off Time                             | Direct Mapping                                                                                |                                                                                              |
|  | DCT |     |            |                                       | SAP S/4 HANA | /SCMTMS /D_SCHLOC    | REL_DG_CO              | Relative Dangerous Goods Cut-Off                  | Direct Mapping                                                                                |                                                                                              |

|  |     |  |  |  |                 |                          |                          |                                                                   |                                                                                                                                                                                                                           |                                   |
|--|-----|--|--|--|-----------------|--------------------------|--------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | DG_DOC_<br>CUT_OFF<br>_D | Dangerous<br>Goods<br>Documents<br>Cut-Off (Offset<br>in Days)    | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | DG_DOC_<br>CUT_OFF<br>_T | Dangerous<br>Goods<br>Document Cut-<br>Off Time                   | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | AVAIL_REL                | Relative<br>Availability<br>Time                                  | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | AVAIL_DA<br>YS           | Days to<br>Availability                                           | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | AVAIL_TI<br>ME           | Availability<br>Time                                              | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | DISTANC<br>E_KM          | Distances for<br>Schedule<br>Stages                               | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | PRECISION                | Precision of<br>Distance and<br>Duration on<br>Schedule<br>Stages | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | TRANSIT_<br>TIME         | Transit Time                                                      | For preload file -<br>include all three<br>DCT fields (days,<br>hours and minutes)<br><br>For load file -<br>Combine the three<br>DCT fields (days,<br>hours and minutes)<br>and store in one<br>target field<br>(hhmmss) |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | STAY_TIME                | Length of Stay                                                    | For preload file -<br>include all three<br>DCT fields (days,<br>hours and minutes)<br><br>For load file -<br>Combine the three<br>DCT fields (days,<br>hours and minutes)<br>and store in one<br>target field<br>(hhmmss) |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | MOT                      | Transportation<br>Mode Code                                       | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | MTR                      | Means of<br>Transport                                             | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | TZONE                    | Time Zone                                                         | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | ENTRY_P<br>ORT           | Port of Entry                                                     | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | EXIT_PORT                | Port of Exit                                                      | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | SCH_REF                  | Schedule<br>Reference                                             | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHLOC     | STAGE_T<br>YPE           | Stage Type                                                        | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | RULE_ID                  | Departure Rule                                                    | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | VAL_FROM                 | Validity Start                                                    | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | VAL_TO                   | Validity End                                                      | Direct Mapping                                                                                                                                                                                                            |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | MONDAY                   | Monday                                                            | Direct Mapping                                                                                                                                                                                                            | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | TUESDAY                  | Tuesday                                                           | Direct Mapping                                                                                                                                                                                                            | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | WEDNES<br>DAY            | Wednesday                                                         | Direct Mapping                                                                                                                                                                                                            | minimum 1 day must be<br>selected |



|  |     |  |  |  |                 |                          |                    |                |                |                                   |
|--|-----|--|--|--|-----------------|--------------------------|--------------------|----------------|----------------|-----------------------------------|
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | THURSDAY           | Thursday       | Direct Mapping | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | FRIDAY             | Friday         | Direct Mapping | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | SATURDAY           | Saturday       | Direct Mapping | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | SUNDAY             | Sunday         | Direct Mapping | minimum 1 day must be<br>selected |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | VESSEL             | Vessel         | Direct Mapping |                                   |
|  | DCT |  |  |  | SAP S/4<br>HANA | /SCMTMS<br>/D_SCHD<br>PR | DEPARTU<br>RE_TIME | Departure Time | Direct Mapping |                                   |

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

## Transformation Mapping

| Field Name | Mapping Table Name | Mapping Table Description                                 |
|------------|--------------------|-----------------------------------------------------------|
| TSP        | Vendor Number      | LIFNR: Old Vendor Code to New Vendor Code cross reference |
|            |                    |                                                           |
|            |                    |                                                           |
|            |                    |                                                           |

## Transformation Dependencies

List the steps that need to occur before transformation can commence

| Item # | Step Description                                                                        | Team Responsible                        |
|--------|-----------------------------------------------------------------------------------------|-----------------------------------------|
| 1      | Dependent Master Data records for Locations and Carriers (business partners) are loaded | Functional Team (SCM) + Data Team (SCM) |
| 2      | Value Mappings are according to the latest design                                       | Functional Team (SCM) + Data Team (SCM) |
| 3      | SAP Transportation management configuration for Schedules is complete                   | Functional Team (SCM) + Data Team (SCM) |
| 4      | Ensure DCT tables completeness                                                          | Data Team (SCM)                         |

## Pre-Load Validation

### Project Team

### Completeness

| Task                                                      | Action                                                                                                                                                 |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Check Values                                              | Validate the pre-load data confirming the values are aligned with target system format                                                                 |
| Validate template structure and required field population | Ensure mandatory fields like Schedule ID, Description, Schedule category, MOT, Locations, validity dates are filled                                    |
| Verify Record Count                                       | SCM 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                                            | SCM Data Team to verify that all fields below meet pass the checks: <ol style="list-style-type: none"> <li>1. Mandatory Fields</li> <li>2. Field and Value Mapping Correctness</li> <li>3. Null Checks</li> <li>4. Text Length Checks</li> </ol> |
| Perform format validation (date, currency, decimal separators) | Standardize format to match SAP accepted input (e.g., YYYYMMDD for dates)                                                                                                                                                                        |
| 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.                                                                           |
| Conduct dry runs using LTMC or BAPIs and review logs           | Analyze load results and correct format or conversion errors                                                                                                                                                                                     |

## Business

### Completeness

| Task                  | Action                                                                                                                                                             |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Provide relevant data | Business Data Owners to provide the required data in DCT which will be used in transportation planning and execution processes                                     |
| 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 validation file. |
|                       |                                                                                                                                                                    |
|                       |                                                                                                                                                                    |

### Accuracy

| Task                | Action                                                                                                                                                                                                                                                    |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conversion Accuracy | Business Data Owner/s to verify that all the data in the preload validation file is accurate as per endorsed transformation /mapping rules (and signed-off DCT data).<br><br>Review error reports in tool for any mismatch or missing transformed values. |
|                     |                                                                                                                                                                                                                                                           |
|                     |                                                                                                                                                                                                                                                           |

## Load

The load process includes:

1. Execute the automated data load into target system using load tool or produce the load file if the load must be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation 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)

The following options will need to be explored during data migration build to select the best possible solution:

- i) via import from Microsoft Excel using the report /SCMTMS/SCH\_UPLOAD or
- ii)Function\_Loader\_Inlay program or
- iii) Custom Migration Cockpit Object (LTMOM).

The load file format can be finalized when development system is available.

BAPI: /SCMTMS/BAPI\_SCHEDULE\_SAVEMULT

The program to generate flights/voyages might need to be executed once the schedules with rules have been created (tbd in build phase)

## Load Run Sheet

| Item # | Step Description                                                                                                                                                                                                                                                                                                                            | Team Responsible                    |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 1      | Ensure the load tools are transported into the correct system/instance.                                                                                                                                                                                                                                                                     | Data Team (SCM)                     |
| 2      | Ensure Pre-load sign-offs are obtained.                                                                                                                                                                                                                                                                                                     | Data Team (SCM)                     |
| 3      | Execute upload of TM Schedules using Function_Loader_Inlay program or Custom Migration Cockpit Object.                                                                                                                                                                                                                                      | Data Team (SCM)                     |
| 4      | Validate few records loaded by accessing standard transactions from S/4HNA E.g. Fiori app 'Display Schedule'.                                                                                                                                                                                                                               | Data Team (SCM)                     |
| 5      | <p>Generate the post load reports in tool.</p> <p>The following fields should be used to form a key for postload comparison:</p> <p>/SCMTMS/D_SCHROT-SCH_CAT<br/> /SCMTMS/D_SCHROT-SCH_TYPE<br/> /SCMTMS/D_SCHROT-VAL_FROM_DATE<br/> /SCMTMS/D_SCHROT-VAL_TO_DATE<br/> /SCMTMS/D_SCHDSC-LANGUAGE_CODE<br/> /SCMTMS/D_SCHDSC-DESCRIPTION</p> | Data Team (SCM), Data Team (Syniti) |
| 6      | Log errors as defects, if any and address resolutions. Close defects.                                                                                                                                                                                                                                                                       | Data Team (SCM)                     |
| 7      | Resolve defects by reupload and re-generate post load reports if necessary.                                                                                                                                                                                                                                                                 | Data Team (SCM), Data Team (Syniti) |
| 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 team                       |
| 9      | Repeat steps 5 to 7 if necessary.                                                                                                                                                                                                                                                                                                           | Data Team (SCM), Data Team (Syniti) |

## Load Phase and Dependencies

TM Schedules data will be loaded in the pre-cutover window.

## Configuration

| Item # | Configuration Item                                                                                                                                                                                                                                                                                                     |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | <p>SAP Transportation management configuration</p> <p>MOT (Table &amp; field: TVTR-VKTRA)</p> <p>Stage types (Table &amp; field: /SCMTMS/C_STGTY-STAGE_TYPE)</p> <p>Schedule type (Table &amp; field: /SCMTMS/C_SCHTY-TYPE (where CAT = S))</p> <p>Aircraft type (Table &amp; field: /SCMTMS/C_AIRCR-AIRCRAFTCODE)</p> |
| 2      | T002 - Language Keys                                                                                                                                                                                                                                                                                                   |
| 3      | Number range for schedules                                                                                                                                                                                                                                                                                             |

## Conversion Objects

| Object # | Preceding Object Conversion Approach        |
|----------|---------------------------------------------|
| 1051     | TM - Locations                              |
| 3016     | Business Partners - Transporters/Forwarders |

|  |  |
|--|--|
|  |  |
|--|--|

## Error Handling

As part of the TM Schedules data load to S/4HANA using the Syniti data migration tool, various data quality, configuration, and technical challenges may arise.

The following table outlines the most commonly observed error types during data load, and the corrective actions typically taken to resolve them. This helps ensure consistency in issue handling, improves traceability during cutover, and supports smooth end-to-end execution of the TM Schedules load.

| Error Type                    | Error Description                                              | Action Taken                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Configuration</b>          | Invalid or missing MOT, Stage types, Schedule type             | Engage Functional team to expedite and fix the error in the system                                                                                    |
| <b>Formatting Errors</b>      | One or more key fields (e.g., TSP) are incorrectly formatted   | Ensure formatting is done correctly (e.g., leading zeros for TSP). (Leading zero requirement will be confirmed when loading tool is available/tested) |
| <b>Authorization Errors</b>   | Lack of access to execute load in target client/system         | Raised access request; obtained necessary authorizations                                                                                              |
| <b>Transformation Miss</b>    | Required transformation logic not applied before load          | Re-applied transformation rules and revalidated source-target mapping                                                                                 |
| <b>Technical Load Failure</b> | File not processed due to syntax /format error or system issue | Reviewed logs; regenerated file; re-executed load after resolving issue                                                                               |

## Post-Load Validation

### Project Team

### Completeness

| Task                                             | Action                                                                                                                                                       |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Run Fiori app/tcode to check loaded data in SAP  | Run Fiori app 'Display Schedule' to check if data has been loaded                                                                                            |
| Compare uploaded data against source file values | Use Custom reconciliation tools e.g. SQL Server or Excel based comparison tools to validate the number of records loaded against the load file record volume |
| Check for load errors in load tool               | Review custom load tool or Legacy Transfer Migration Cockpit LTMC logs for any failures                                                                      |

### Accuracy

| Task                                             | Action                                                                                                                                      |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Compare uploaded data against source file values | Use automated postload validation report or standard reports from S/4 HANA to validate field by field value match across all loaded records |
|                                                  |                                                                                                                                             |
|                                                  |                                                                                                                                             |

## Business

### Completeness

| Task         | Action                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verify Count | Download Postload validation reports from Syniti and verify that the record count loaded in the target S/4 HANA is the same count as of the endorsed load file. |

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| Review loaded TM Schedules | Access the S/4HANA system (via Fiori app Display Schedule) to view loaded TM Schedules |
|                            |                                                                                        |

### Accuracy

| Task                                            | Action                                                                                       |
|-------------------------------------------------|----------------------------------------------------------------------------------------------|
| Compare Against Approved Load File              | Cross-check data in S/4HANA against the final business-approved load file used for migration |
| Validate Accuracy of Converted/Transformed Data | Review any transformed fields (e.g., business partner number) for correctness                |
| Log and Report Discrepancies                    | Use provided discrepancy log format or defect management tool to report any findings         |

### Key Assumptions

- Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- TM Schedules is in scope based on data design and any exception requested by business.
- Data entries in DCT are target-ready data unless a specific transformation rule is stated for that field in the transformation rules.
- The list of validation checks in transformation section is not exhaustive and may change over time as the design and configuration of the system evolves.

### See also

### Change log

| Version                | Published          | Changed By         | Comment                                                                                             |
|------------------------|--------------------|--------------------|-----------------------------------------------------------------------------------------------------|
| <b>CURRENT</b> (v. 22) | Dec 10, 2025 20:22 | OMER-ext, Mohammed | Added fields for departure rules section following functional deep dive session (Jira # PDM-1023)   |
| v. 21                  | Oct 28, 2025 11:27 | OMER-ext, Mohammed | Transportation group, Transit time, Port of Entry/Exit will become conditional fields based on late |
| v. 20                  | Oct 28, 2025 09:51 | VAN OS-ext, Nico   |                                                                                                     |
| v. 19                  | Oct 20, 2025 17:01 | OMER-ext, Mohammed | Field status in target design section following some clarifications from TM functional team         |
| v. 18                  | Oct 17, 2025 12:52 | OMER-ext, Mohammed |                                                                                                     |
| v. 17                  | Oct 16, 2025 14:00 | OMER-ext, Mohammed |                                                                                                     |
| v. 16                  | Oct 16, 2025 13:54 | OMER-ext, Mohammed |                                                                                                     |

|       |                    |                    |
|-------|--------------------|--------------------|
| v. 15 | Oct 14, 2025 11:26 | OMER-ext, Mohammed |
| v. 14 | Oct 14, 2025 10:14 | OMER-ext, Mohammed |
| v. 13 | Oct 14, 2025 09:59 | OMER-ext, Mohammed |

[Go to Page History](#)

## Workflow history

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

| May 08, 2026              | Actor                                                                                                                | Type  | Activity                                                                                                                                                                             | Version |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Approved                  | <div>MCARDLE-ext, Edward</div>      | State | changed state to <span>Approved</span> at 11:14 am                                                                                                                                   | v22     |
| Revision under Review     | <div>MCARDLE-ext, Edward</div>      | State | gave <i>Minor change</i> approval at 11:14 am                                                                                                                                        | v22     |
|                           |                                                                                                                      | State | changed state to <span>Revision under Review</span> at 11:14 am                                                                                                                      |         |
| Mar 18, 2026              |                                                                                                                      |       |                                                                                                                                                                                      |         |
| Revision in Progress      | <div>WENNINGER-ext, Sascha</div>                                                                                     | State | changed state to <span>Revision in Progress</span> at 5:45 pm                                                                                                                        | v22     |
| Dec 10, 2025              |                                                                                                                      |       |                                                                                                                                                                                      |         |
| Edited following Approval | <div>OMER-ext, Mohammed</div>     | Edit  | <div>updated the page at 8:22 pm<div>Added fields for departure rules section following functional deep dive session (Jira # PDM-1023)</div></div>                                   | v22     |
|                           |                                                                                                                      | State | changed state to <span>Edited following Approval</span> at 7:22 pm                                                                                                                   |         |
| Nov 03, 2025              |                                                                                                                      |       |                                                                                                                                                                                      |         |
| Approved                  | <div>MUTHUSAMY-ext, Kunalan</div> | State | <div>changed state to <span>Approved</span> at 10:17 am (State override)<div>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</div></div> | v21     |