INT017

PO Carrier Master Sync to OTM

**Lean Specification**

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# Report Summary

## Purpose/Justification

This functional specification document is intended to provide the developer all the key information, assumptions, rules, and components required to implement Carriers (Freight service providers) interface from Oracle ERP Cloud to OTM Cloud. From ERP Cloud, the Supplier master will be extracted and mapped to OTM Carrier (Service Provider) master.

The focus of this document will be on the integration of ERP Suppliers of type ‘FT’ and their sites to OTM. The Initial conversion of all the carriers (ERP Suppliers) is not in scope of this document.

For this document, Suppliers and Carriers may be used interchangeably.

## Report Description and Overview

This interface will extract the freight carriers which will be stored in Cloud ERP system as type ‘FT’. Once the carriers are extracted based on extraction rules, these will be transformed and interfaced in a format acceptable by OTM. Once the data is successfully received in OTM, the carrier master data/service provider will be created in OTM.

## Legacy Report Sample



# Functional Design

## Report Details

|  |  |
| --- | --- |
| Report Name | PO Carrier Master Sync to OTM |
| Report Path | /shared/Custom/KDP Custom/MDM/PO/PO Carrier Master Interface from Oracle ERP Cloud |
| Report Schedule | Adhoc |
| Scheduled Report Recipients | N/A |
| Output Format | PDF  XML  HTML  CSV  EXCEL |
| Report Owner | N/A |
| Estimated number of records | N/A |
| Additional Comments | N/A |

## Data Selection and Sorting

Carriers will be sent to OTM on a periodic schedule basis.

1. ERP Suppliers of type ‘FT’ are sent as part of this interface
2. New suppliers, supplier site, supplier address and supplier contact with status as “Active” which are not yet sent to OTM
3. Suppliers, supplier site, supplier address and supplier contact that are inactivated and inactivation which are not yet sent to OTM
4. Suppliers with a change in the mapping fields – and the change has not been sent to OTM
5. Suppliers, supplier site, supplier address and supplier contact with only business relationship as ‘Spend Authorized’ would be interfaced into OTM
6. Suppliers and the corresponding supplier site, supplier address and supplier contact once promoted to ‘Spend Authorized’, will be sent to OTM
7. Supplier those need to be interfaced to OTM will be based on the supplier type as per the Standard lookup “POZ\_VENDOR\_TYPE”

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL #** | **Supplier Type** | **Meaning** | **Informatica Interface** | **OTM Interface** | **GTM Interface** | **OVCP Interface** |
| 1 | FT | Freight | No | Yes |  |  |
| 2 | MA | Material | Yes | No |  |  |
| 3 | EX | Expense | No | No |  |  |
| 4 | UT | Utility | No | No |  |  |
| 5 | Both | Material+Expense | Yes | No |  |  |

Note: The above values of supplier type may change

## Launch Parameters

| Parameter | Required | Valid Values | Default |
| --- | --- | --- | --- |
| Last Run date | NA |  |  |

## Key Logic

This is a near real time interface to OTM, below are the scenarios in which the interface should pick the data to interface:

1. New supplier of type ‘FT’ with business relationship “Spend Authorize” is created with status as “Active”
2. Any of the fields in the data mapping sheet are updated for supplier (type ‘FT’) of business relationship “Spend Authorize” with status “Active”
3. Suppliers (type ‘FT’) getting promoted from “Prospect” to “Spend Authorize” with status as “Active”
4. Suppliers (type ‘FT’) of business type “Spend Authorize” getting end dated with status as “Inactive”
5. Supplier site, supplier address and supplier contact for suppliers of type ‘FT’, getting end dated where the date is equal to system date
6. Only one supplier site should be transferred as part of the interface to OTM

Transaction Code for all transmissions to OTM will be ‘IU’

## Data Mapping



## Assumptions

* A freight carrier in supplier master will have only 1 SCAC code that will be passed on to OTM
* All the setups related to supplier master are in place in oracle ERP cloud system
* All setups and configurations to receive carrier data into OTM are in place
* The connections between ERP and OTM are configured in AIC and tested
* This interface will only extract the relevant data as specified in mapping sheet from ERP and send to OTM
* Only those suppliers which satisfy the data selection criteria logic should be interfaced to OTM
* All the latest functional configurations will be maintained on the target environment to ensure that data Integration is tested on the latest configuration
* Final reconciliations and sign-off of the Interfaced data into Oracle OTM will be performed by identified Anixter's Business Users

OTM will receive the data and send the transmission number as acknowledgment and will take care of any notification in case of errors

## Dependencies

* A freight carrier in supplier master will have only 1 SCAC code that will be passed on to OTM
* Required Configuration for Supplier master is completed in Oracle Cloud ERP
* All the mandatory fields required for interfacing the eligible Supplier records are available in Oracle Cloud ERP
* All the mandatory fields required for interfacing the eligible supplier records are available in OTM
* Relevant configurations in OTM are completed
* AIC is configured to receive data from ERP instance and send data to OTM instance

# Oracle Cloud Technical Design Specifications

## Overview

This section is intended to provide the developer with all the key information, assumptions, rules, and technical components required to implement the PO Carrier Master Sync to OTM.

## Detailed Report Design

|  |  |
| --- | --- |
| **Report Design** | |
| **Report Path** | /shared/Custom/KDP Custom/MDM/PO/PO Carrier Master Interface from Oracle ERP Cloud |
| **Report Name** | PO\_Carrier\_Master\_Interface\_from\_Oracle\_Cloud\_Report |
| **Report Tool** | HCM Extract  BI Publisher  OTBI |
| **Report Security Group** | N/A |
| Additional Information | N/A |

## BI Publisher Design

|  |  |
| --- | --- |
| **BI Publisher Details** | |
| **Data Model Name** | PO\_Carrier\_Master\_Interface\_from\_Oracle\_Cloud\_DM |
| **Template Name** | PO\_Carrier\_Master\_Interface\_from\_Oracle\_ERP\_Cloud\_to\_OTM\_Template.xpt |
| **Template Output Formats (\* Indicates Default)** | CSV |

|  |
| --- |
| **Report Layout (Attach RTF Template)** |
|  |

|  |
| --- |
| **Report SQL** |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Report Parameters** | | | |
| **Parameter Name** | **Data Type** | **Default Value** | **LOV query** |
| p\_last\_run\_date | Date |  |  |

# Open Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date Reported | Status | Question | Answer | Due Date | Responsible Party |
|  |  |  |  |  |  |
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