

**HLFD Interface Product Eligibility In OLTP**

**Version 2**

Functional Specifications

Values%20worldmap2-rgb

**Target Release: February 22**

**Sponsor Market: CT**

Document History

**Reviews**

| Version | Name | Date | Signature |
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**Approvals**

| Version | Name | Date | Signature |
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Revision History

| Version | Section(s) | Summary of Changes | Written By | CR/INC# | Date | PRD Release |
| --- | --- | --- | --- | --- | --- | --- |
| 1.0 |  | Initial version | Lina Kanhye | CHG062318 | 07/01/2015 | APR 15 |
| 1.1 |  | Add Delete Functionality | Vikram Seeburn | Defect 136 | 24/02/2015 | APR 15 |
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# Introduction

This document gives the high-level description of the inbound to OLTP

TME Interface loader Product Eligibility Version 2.

## Overview

This document describes all the fields that can be loaded for the product eligibility entity and any other fields that are automatically generated during an EIM-load. The file assumes one or more records can be loaded for each product (1: N relationship). The loader will be basically used to populate field “Order Type“ at product level.

## Inserts/Update/Delete

* *Insert Functionality: ENABLED*

Order type will be loaded ONLY for existing products during interface execution;

* *Update Functionality:* No update can be performed via this interface since column is part of user key
* *Delete Functionality*: No deletion can be performed via this interface.

## Systems

Only one file per market is allowed for each load for the same system Id and entity version.

The #records will be controlled via the Flat File Load control mechanism.

## File Naming Convention

The file name is formed by concatenating the following fields:

* Country code, 2 characters:
  + IT for Italy
  + ES for Spain
* File Type, 2 characters: varies for each file type
* Version, 2 digits: revision version of the file type
* **System Id**, 2 digits: unique identifier for data source, given by the markets
* An underscore (‘\_’)
* Extraction date, in format YYYYMMDD. If the extraction is done overnight, the past day’s date will be used (e.g., if data extracted between Monday and Tuesday, Monday’s date will be used)
* An underscore (‘\_’)
* A group number. The group ‘10’ will be used for normal extraction. Other groups will be used in exceptional cases (e.g., for data correction).
* File extension: ‘.txt’

**Example:**

BEEL0201\_20211025\_10.txt

This is a file from Belgium, of type EL, version 02, coming from system 01, extracted on October 25th, 2021, and belonging to group 10 (normal group).

## File Delimiter

The field separator is a pipe ‘|’.

## Dependencies on other interfaces

The corresponding PR (Products) flat file would need to be loaded prior to EL (Product Eligibility) load.

Otherwise all records will be rejected since corresponding product will not exist.

# Description of Tables and Fields

## DB Tables

OLTP:

* EIM ones: EIM\_PRDINT\_DTL
* Base ones: S\_PROD\_INT, S\_PROD\_INT\_XM

## Primary Keys

***Flat File PK:***

The primary keys for this file are:

* PART\_NUM: Product Part Number
* NAME: Product Order type

***Base tables PK:***

The primary keys for S\_PROD\_INT are:

* NAME: Product Name
* VENDR\_OU\_ID: Vendor Account unique code
* BU\_ID: Business organization will be calculated from Flat file

The primary keys for S\_PROD\_INT\_XM are:

* PAR\_ROW\_ID: FK to S\_PROD\_INT
* TYPE: Automatically populated by the interface.
* NAME: Order type value

## Flat File Fields

| **Order** | **Column Name** | **Type** | **Mandatory/PK** | **Contents** | **Destination Type** | **Clarifications**  **/Format** | **Destination Field location in TME Sales/OBIEE** | **Corresponding EIM TABLE** | **Corresponding BASE TABLE** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | PART\_NUM | C50 | Y (PK) | Part Num – unique for each product | FK to S\_PROD\_INT |  |  | EIM\_PRDINT\_DTL.PROD\_NAME,  EIM\_PRDINT\_DTL. VENDR\_ACCNT\_NAME | S\_PROD\_INT\_XM.PAR\_ROW\_ID |
| 2 | NAME | C100 | Y(PK) | Specify order type to be associated to product |  |  |  | EIM\_PRDINT\_DTL. XM\_NAME | S\_PROD\_INT\_XM. NAME |
| 3 | DELETE\_FLG | C1 | N | Y or N. Specified if record need to be deleted from target |  |  |  | N/A | N/A |
| 4 | ATTRIB\_03 | C30 | N | JTI Order Category |  | MLOV: JTI\_ORDER\_CATEGORY |  | EIM\_PRDINT\_DTL.ATTRIB\_03 | S\_PROD\_INT\_XM.ATTRIB\_03 |
| 5 | ATTRIB\_14 | N(22,7) | N | JTI Max Quantity |  |  |  | EIM\_PRDINT\_DTL.ATTRIB\_14 | S\_PROD\_INT\_XM.ATTRIB\_14 |
| 6 | ATTRIB\_15 | N(22,7) | N | JTI Min Quantity |  |  |  | EIM\_PRDINT\_DTL.ATTRIB\_15 | S\_PROD\_INT\_XM.ATTRIB\_15 |

## Fields calculated by the interface

The following fields are not loaded from incoming files, but are calculated during the EIM process:

|  |  |  |
| --- | --- | --- |
| **Description** | **Corresponding column in**  **EIM interface table** | **Corresponding Column in Base table** |
| Will be lookup based on PART\_NUM value | EIM\_PRDINT\_DTL. NAME | S\_PROD\_INT.NAME, S\_PROD\_INT\_XM.PAR\_ROW\_ID |
| Will be lookup base on the Filename | EIM\_PRDINT\_DTL.PROD\_BU | S\_PROD\_INT.BU\_ID,  S\_PROD\_INT\_XM.PAR\_ROW\_ID |
| Will be lookup base on the Filename | EIM\_PRDINT\_DTL.VENDR\_ACCNT\_BU | S\_PROD\_INT.VENDR\_OU\_ID, S\_PROD\_INT\_XM.PAR\_ROW\_ID |
| Will be lookup based on PART\_NUM value | EIM\_PRDINT\_DTL.VENDR\_ACCNT\_NAME | S\_PROD\_INT.VENDR\_OU\_ID,  S\_PROD\_INT\_XM.PAR\_ROW\_ID |
| Defaulted to ‘JTI\_SUBTYPE\_TYPE’ | EIM\_PRDINT\_DTL. XM\_TYPE | S\_PROD\_INT\_XM.TYPE |

## Validations

## LOV Checks

Verify if the LOV of these TYPE exit and if they are active

|  |  |
| --- | --- |
| **Column Name** | **LOV Type** |
| ORDER\_TYPE | JTI\_SUBTYPE\_TYPE |
| ATTRIB\_03 | JTI\_ORDER\_CATEGORY |

## 

## User Key

Verify if there are duplicate in the EIM tables though its user key.

Product Eligibility User keys:

**EIM\_PRDINT\_DTL🡪S\_PROD\_INT\_XM**

EIM\_PRDINT\_DTL. PROD\_BI

EIM\_PRDINT\_DTL. PROD\_NAME

EIM\_PRDINT\_DTL. VENDR\_ACCNT\_BI

EIM\_PRDINT\_DTL. VENDR\_ACCNT\_LOC

EIM\_PRDINT\_DTL. VENDR\_ACCNT\_NAME

EIM\_PRDINT\_DTL. XM\_TYPE

EIM\_PRDINT\_DTL. XM\_NAME

## Foreign Keys

There should be having a Check on the Foreign Keys to verify if EIM will resolve a specific row:

**PRODUCT (S\_PROD\_INT\_XM)**

PROD\_BI🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

PROD\_NAME 🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

VENDR\_ACCNT\_BI 🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

VENDR\_ACCNT\_LOC🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

VENDR\_ACCNT\_NAME🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

## Filters

None

## Other Validations

There should be a check on the user keys to verify if a corresponding record exist in the base table S\_PROD\_INT\_XM in case the deletion flag if set to ‘Y’

**PRODUCT ELIGIBILITY (S\_PROD\_INT\_XM)**

PART\_NUM🡪 S\_PROD\_INT\_XM.PAR\_ROW\_ID

NAME 🡪 S\_PROD\_INT\_XM.NAME

# Additional Functionality

None

# IFB Files

The IFB Files that are used for this entity are named as follows:

IFA\_**XXX**\_EL\_Product\_Eligibility.ifb

IFA\_ENU\_EL\_Delete\_Product\_Eligibility

where XXX is the Country code (3 characters).

# Error Messages

Following error messages could be raised by the interface due to validations implemented:

|  |  |  |
| --- | --- | --- |
| **Error message** | **Root Cause** | **How to fix it** |
| The Foreign Key does not exist | No record exist in the DB to link the record to | Validate values provided on the corresponding FK columns and provide delta file with correct ones for reload. |
| The LOV value does not exist | The corresponding Language Dependent LOV does not exist | Request GSD to create the corresponding LOV on Sales Application |
| Record with same user keys present in same flat file | The primary key field define above are found duplicate in the flat file | Remove Duplicate records and send correct file |
| The Mandatory Field is Null. Should NOT be NULL | The field marked as mandatory above has been provided as Null | Correct the value and send delta file with correct records for reload |
| The field exceeds the maximum length allowed | The value provided in the file exceeded the corresponding agreed size | Correct the value and send delta file with correct records for reload |
| User key combination was not found in the table | The User Key provided for deletion does not exist in S\_PROD\_INT\_XM | Correct User Key fields and send delta file with correct field values |

# Example of flat file

# Interface execution

To execute this interface it would be needed to follow the steps below:

* Place the **EL**XX file on server path XXXX.
* Execute the worklet wrk\_Product\_Eligibility\_Interface
* Validate records loaded on EIM\_PRDINT\_DTL table for IF\_ROW\_BATCH\_NUM= xxxxx
* Place the IFB file IFA\_**XXX**\_EL\_Product\_Eligibility.ifb on the server path XXXX
* Place the IFB file IFA\_ENU\_EL\_Delete\_Product\_Eligibility on the server path XXXX
* Execute the EIM with following parameters for the IFB file IFA\_**XXX**\_EL\_Product\_Eligibility.ifb Validate Error file generated on server path XXXX.
* Validate records updated/created from the OBIEE / TME Sales application.