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| **JTI** |
| Trade Marketing Excellence Programme |
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| HLFD for file AS (Assets) Version 12 |
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***DOCUMENT HISTORY***

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| **28/10/2021** | TME Phase 2 - HLFD Interface Assets (AS) Version 12.0.doc |
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***REVIEWS***

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***APPROVALS***

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***VERSION HISTORY***

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| **VERSION** | **EFFECTIVE**  **DATE** | **SUMMARY OF CHANGES** | **WRITTEN BY** | **STATUS** |
| 12.0 | 28/10/2021 | As per **CHG213135** added 3 new fields in section 3.7.1 | Vikram Seeburn | Open |

***DISTRIBUTION HISTORY***

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| **VERSION** | **COPY** | **ISSUED TO** | **DATE** | **ACTION REQUIRED** |
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# Introduction

This document gives the high-level description of file **Assets (AS), version 12**

# Glossary

# Files contents

## Overview

This document describes:

1. The **creation** of new assets and Merchandising Location if they do not exist in the system.
2. The **update** of the assets and Merchandising Location if they already exist in the system and are active.
3. The **deactivation** of assets/Merchandising Location if the combination is already associated with an account different from the account specified in the Flat File.
4. Delete all old records in S\_ASSET\_EMP related to the asset.

The vending machine type will be represented as a product. This input file definition presumes that the asset of type Vending Machine *already* exists as a product in the Siebel CG application.

It should be noted that when referencing the asset type, the same manufacturer should be given as for the product representing the type.

## Frequency

The file will be loaded monthly.

## Systems

Only one file per market per system is allowed.

## Naming Convention

The file name is formed by concatenating the following fields:

* Country code, 2 characters:
  + BE for Belgium
  + NL for Netherlands
* 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: UKAS1001\_20211106\_10.txt is a file from United Kingdom, of type AS, version 10, coming from system 01, extracted on 6th November 2021, and belonging to group 10 (normal group).

## File Delimiter

The field separator is a pipe ‘|’.

## Description of fields

The corresponding EIM tables in Siebel OLTP are *EIM\_ASSET, EIM\_ASSET1* and *EIM\_INVLOC*.

The corresponding columns in Siebel OLTP model are in tables *S\_ASSET, S\_ASSET\_BU, S\_ASSET\_EMP, S\_ASSET\_POSTN, S\_INVLOC, S\_ASSET\_ACCNT* and *S\_INVLOC\_BU.*

The primary keys for this file are: ASSET\_NUM, ASSET\_BU, PRODUCT\_CODE and PRODUCT\_BU.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Field is mandatory** | **Contents** | **Destination type** | **Corresponding EIM TABLE** | **Corresponding BASE TABLE** |
| ASSET\_NUM | C100 | Y (PK) | Asset number |  | EIM\_ASSET.AST\_ASSET\_NUM, EIM\_ASSET.ROOT\_AST\_NUM, EIM\_INVLOC.CGASSS\_AST\_NUM, EIM\_ASSET1.AST\_ASSET\_NUM | S\_ASSET.ASSET\_NUM, S\_ASSET\_ACCNT.ASSET\_ID,  S\_ASSET\_BU. ASSET\_ID, S\_ASSET\_POSTN.ASSET\_ID, S\_ASSET.ROOT\_ASSET\_ID, S\_ASSET\_EMP.ASSET\_ID, S\_INVLOC.CG\_ASSSET\_ID |
| ASSET\_BU | C100 | Y (PK) | Business unit of vending machine  E.g. "France, FR” | FK to S\_BU | EIM\_ASSET.AST\_BU, EIM\_ASSET.ROOT\_AST\_BU, EIM\_ASSET.VIS\_BU, EIM\_INVLOC.CGASSS\_AST\_BU, EIM\_INVLOC.LOC\_BU,  EIM\_INVLOC.VIS\_BU, EIM\_ASSET1.AST\_BU | S\_ASSET.BU\_ID,  S\_ASSET\_ACCNT.ASSET\_ID,  S\_ASSET\_BU. ASSET\_ID, S\_ASSET\_POSTN.ASSET\_ID, S\_ASSET.ROOT\_ASSET\_ID,  S\_ASSET\_BU.BU\_ID,  S\_ASSET\_EMP.ASSET\_ID,  S\_INVLOC.BU\_ID,  S\_INVLOC.CG\_ASSSET\_ID,  S\_INVLOC\_BU.BU\_ID |
| PRODUCT\_CODE | C100 | Y (FK) | Corresponding to Product Code having asset flag=’Y’ (Part Num) | FK to S\_PROD\_INT | EIM\_ASSET.AST\_PROD\_NAME, EIM\_ASSET.ROOT\_AST\_PROD\_NAME, EIM\_INVLOC.CGASSS\_ASSET\_PROD, EIM\_ASSET1.AST\_PROD\_NAME | S\_ASSET.PROD\_ID,  S\_ASSET\_ACCNT.ASSET\_ID,  S\_ASSET\_BU. ASSET\_ID, S\_ASSET\_POSTN.ASSET\_ID, S\_ASSET.ROOT\_ASSET\_ID, S\_ASSET\_EMP.ASSET\_ID, S\_INVLOC.CG\_ASSSET\_ID |
| PRODUCT\_BU | C100 | Y (FK) | Corresponding to Business Unit of Product having asset flag=’Y’. E.g. "France, FR” | FK to S\_PROD\_INT | EIM\_ASSET1.AST\_PROD\_BU, EIM\_INVLOC.CGASSS\_AST\_PROD\_BU,  EIM\_ASSET.ROOT\_AST\_PROD\_BU,  EIM\_ASSET.AST\_PROD\_BU | S\_ASSET.ROOT\_ASSET\_ID,  S\_ASSET.PROD\_ID,  S\_ASSET\_ACCNT.ASSET\_ID,  S\_ASSET\_BU. ASSET\_ID, S\_ASSET\_POSTN.ASSET\_ID,  S\_ASSET\_EMP.ASSET\_ID,  S\_INVLOC.CG\_ASSSET\_ID |
| ACCNT\_NAME | C100 | Y | Account Code of the owner of the Vending Machine | FK to S\_ORG\_EXT | EIM\_ASSET.ACCNT\_NAME | S\_ASSET\_ACCNT.ACCNT\_ID |
| ACCNT\_BU | C100 | Y | Business unit of vending machine owner account  E.g. "France, FR” | FK to S\_ORG\_EXT | EIM\_ASSET.ACCNT\_BU | S\_ASSET\_ACCNT.ACCNT\_ID |
| OWNER\_ACCNT\_NAME | C100 | Y | Outlet to which the vending machine is being placed | FK to S\_ORG\_EXT | EIM\_ASSET.OWNER\_ACCNT\_NAME,  EIM\_INVLOC.OWNER\_ACCNT\_NAME | S\_ASSET.OWNER\_ACCNT\_ID,  S\_INVLOC.OWNER\_EXT\_OU\_ID |
| OWNER\_ACCNT\_BU | C100 | Y | Corresponding to Business Unit of the Outlet for E.g. “France, FR” | FK to S\_ORG\_EXT | EIM\_ASSET.OWNER\_ACCNT\_BU,  EIM\_INVLOC.OWNER\_ACCNT\_BU | S\_ASSET.OWNER\_ACCNT\_ID,  S\_INVLOC.OWNER\_EXT\_OU\_ID |
| STATUS\_CD | C30 | N | Status of the Asset, For E.g. Active or Inactive | LOVB: IMPL\_PHASE | EIM\_ASSET.AST\_STATUS\_CD | S\_ASSET.STATUS\_CD |
| CONTRACTED | C1 | N | Contracted flag |  | EIM\_ASSET.X\_CONTRACTED\_FLG | S\_ASSET.X\_CONTRACTED\_FLG |
| OWNED\_BY\_JTI | C1 | N | Owned by JTI flag |  | EIM\_ASSET.X\_OWNED\_JTI\_FLG | S\_ASSET.X\_OWNED\_JTI\_FLG |
| END\_DT | D | N | Effective end date |  | EIM\_ASSET.AST\_END\_DT | S\_ASSET.END\_DT |
| REGISTERED\_DT | D | N | Registration date for the Asset |  | EIM\_ASSET.AST\_REGISTERED\_DT | S\_ASSET.REGISTERED\_DT |
| AST\_DESC\_TEXT | C255 | N | Description for the Asset |  | EIM\_ASSET.AST\_DESC\_TEXT | S\_ASSET.DESC\_TEXT |
| LOC\_SUBTYPE | C30 | N | Subtype of the ML | LOVB: INVLOC\_SUBTYPE\_CD | EIM\_INVLOC.LOC\_INVLOC\_CAT\_CD | S\_INVLOC.INVLOC\_CAT\_CD |
| TOB\_LOC\_SLOTS | N10,0 | N | No of Tobacco Slots for the ML of type Vending Machine |  | EIM\_INVLOC.LOC\_X\_TOB\_SLOTSNUM | S\_INVLOC.X\_TOB\_SLOTS\_NUM |
| FACINGS\_NUM | N10,0 | N | No of facings |  | EIM\_INVLOC.LOC\_X\_FACINGS\_NUM | S\_INVLOC.X\_FACINGS\_NUM |
| SKU\_POSITION | C30 | N | SKUs Position for the ML of type Vending Machine e.g. In Diamond Out Eye Level, Out Diamond Eye Level, In Diamond Eye Level. | LOVB: JTI\_SKU\_POSITION | EIM\_INVLOC.LOC\_X\_SKU\_POS\_CD | S\_INVLOC.X\_SKU\_POS\_CD |
| VISIBILITY\_CD | C30 | N | Visibility for the ML. | LOVB: JTI\_VISIBILITY | N/A | N/A |
| LOC\_DESC\_TEXT | C250 | N | Description for ML |  | EIM\_ASSET.AST\_COMMENTS | S\_ASSET.COMMENTS |
| AST\_TELEMETRIC | C1 | N | Telemetric Num |  | EIM\_ASSET.X\_TELEMETRIC\_NUM | S\_ASSET.X\_TELEMETRIC\_NUM |
| X\_DEP\_TIME\_NUM | N10,0 | N | Depreciation Time Num |  | EIM\_ASSET.X\_DEP\_TIME\_NUM | S\_ASSET.X\_DEP\_TIME\_NUM |
| LOC\_DESC\_TEXT\_ML | C250 | N | Loc description | MLOV : JTI\_MERCHANDISE\_LOC | EIM\_INVLOC.LOC\_DESC\_TEXT | S\_INVLOC.DESC\_TEXT |
| LOC\_X\_FACINGSROWNUM | N10,0 | N | Number of Facings per row |  | EIM\_INVLOC.LOC\_XFACINGSROWNUM | S\_INVLOC.X\_FACINGS\_ROW\_NUM |
| LOC\_X\_ROWS\_NUM | N10,0 | N | Number of Rows |  | EIM\_INVLOC.LOC\_X\_ROWS\_NUM | S\_INVLOC.X\_ROWS\_NUM |
| LOC\_X\_SLOTS\_NUM | N10,0 | N | Number of Slots |  | EIM\_INVLOC.LOC\_X\_SLOTS\_NUM | S\_INVLOC.X\_SLOTS\_NUM |
| LOC\_XTOBFACINGSNUM | N10,0 | N | Number of Tobacco Facings |  | EIM\_INVLOC.LOC\_XTOBFACINGSNUM | S\_INVLOC.X\_TOB\_FACINGS\_NUM |
| LOC\_X\_DEPTH\_NUM | N10,0 | N | Depth |  | EIM\_INVLOC.LOC\_X\_DEPTH\_NUM | S\_INVLOC.X\_DEPTH\_NUM |
| LOC\_X\_HEIGHT\_NUM | N10,0 | N | Height |  | EIM\_INVLOC.LOC\_X\_HEIGHT\_NUM | S\_INVLOC.X\_HEIGHT\_NUM |
| LOC\_LAYOUT\_ORDER | N10,0 | N | Sequence |  | EIM\_INVLOC.LOC\_LAYOUT\_ORDER | S\_INVLOC.LAYOUT\_ORDER |
| LOC\_X\_JTISHELFAUTO | C1 | N | Shelf – Automated flag |  | EIM\_INVLOC.LOC\_X\_JTISHELFAUTO | S\_INVLOC.X\_JTI\_SHELF\_AUTO |
| LOC\_X\_JTISHELFDIMENS | C50 | N | Shelf - Dimensions |  | EIM\_INVLOC.LOCXJTISHELFDIMENS | S\_INVLOC.X\_JTI\_SHELF\_DIMENSIONS |
| LOC\_X\_JTISHELFPOSITI | C50 | N | Shelf - SKU's Grouping |  | EIM\_INVLOC.LOCXJTISHELFPOSITI | S\_INVLOC.X\_JTI\_SHELF\_POSITION |
| LOC\_X\_SH\_DIV\_NUM | N10,0 | N | Shelf Divider |  | EIM\_INVLOC.LOC\_X\_SH\_DIV\_NUM | S\_INVLOC.X\_SH\_DIV\_NUM |
| LOC\_X\_SHDIVTHICKNESS | N10,0 | N | Shelf Divider Thickness |  | EIM\_INVLOC.LOCXSHDIVTHICKNESS | S\_INVLOC.X\_SH\_DIV\_THICKNESS |
| LOC\_X\_SH\_SALESUNIT | C30 | N | Shelf Sales Unit | MLOV: JTI\_SHELF\_SALES\_UNIT | EIM\_INVLOC.LOC\_X\_SH\_SALESUNIT | S\_INVLOC.X\_SH\_SALES\_UNIT |
| LOC\_X\_SLOTDEPTHNUM | N10,0 | N | Slot Depth |  | EIM\_INVLOC.LOC\_X\_SLOTDEPTHNUM | S\_INVLOC.X\_SLOT\_DEPTH\_NUM |
| LOC\_X\_SLOTSFACINGNUM | N10,0 | N | Number of Slots Facing |  | EIM\_INVLOC.LOCXSLOTSFACINGNUM | S\_INVLOC.X\_SLOTS\_FACING\_NUM |
| LOC\_X\_WIDTH\_NUM | N10,0 | N | Width |  | EIM\_INVLOC.LOC\_X\_WIDTH\_NUM | S\_INVLOC.X\_WIDTH\_NUM |
| X\_INSTALL\_DT | D | N | Installation Start Date (Date Format: yyyy/mm/dd) |  | EIM\_INVLOC.X\_INSTALL\_DT | S\_INVLOC.X\_INSTALL\_DT |
| X\_END\_DT | D | N | Installation End Date (Date Format: yyyy/mm/dd) |  | EIM\_INVLOC.X\_END\_DT | S\_INVLOC.X\_END\_DT |
| X\_MERCH\_LOC\_STATUS\_CD | C30 | N | Status. Default value market sends is ‘Tentative’ | MLOV: JTI\_MERCH\_LOC\_STATUS | EIM\_INVLOC.X\_MERCH\_LOC\_STATUS\_CD | S\_INVLOC.X\_MERCH\_LOC\_STATUS\_CD |
| X\_BRAND\_CD | C100 | N | Product Name. Only products of Product Level = “Brand” are allowed |  | EIM\_INVLOC.X\_BRAND\_CD | S\_INVLOC.X\_BRAND\_CD |
| LOC\_INV\_OWNER\_CD | C30 | N | Ownership | MLOV: FS\_INVLOC\_OWNERSHIP | EIM\_INVLOC.LOC\_INV\_OWNER\_CD | S\_INVLOC.INV\_OWNER\_CD |
| INSTALL\_DT | D | N | Installation Start Date (Date Format: yyyy/mm/dd) |  | EIM\_ASSET.AST\_INSTALL\_DT | S\_ASSET.INSTALL\_DT |
| ORIGINAL\_COST | N22, 7 | N | Original Cost |  | EIM\_ASSET.AST\_ORIGINAL\_COST | S\_ASSET.ORIGINAL\_COST |
| CONDITION\_CD | C30 | N | Condition Cd | MLOV: UT\_EQUIP\_CODITION | EIM\_ASSET.AST\_CONDITION\_CD | S\_ASSET.CONDITION\_CD |
| X\_CONTRACTED\_AMT\_NUM | N22,7 | N | Contracted Amount |  | EIM\_ASSET.X\_CONTRACTED\_AMT\_NUM | S\_ASSET.X\_CONTRACTED\_AMT\_NUM |
| X\_REMAINING\_AMT\_NUM | N22,7 | N | Remaining Amount |  | EIM\_ASSET.X\_REMAINING\_AMT\_NUM | S\_ASSET.X\_REMAINING\_AMT\_NUM |
| X\_SHOWCASE\_CD | C30 | N | Showcase | MLOV: JTI\_SHOWCASE | EIM\_ASSET.X\_SHOWCASE\_CD | S\_ASSET.X\_SHOWCASE\_CD |
| ML\_NAME | C100 | N | LOC\_NAME |  | EIM\_INVLOC.LOC\_NAME | S\_INVLOC.NAME |
| AS\_MANUFACTURER | C100 | N | Manufacturer code = Asset Product Vendor | FK to S\_ORG\_EXT | EIM\_ASSET. SUPPLI\_ACCNT\_NAME | S\_ASSET.SUPPLIER\_OU\_ID |
| OWNERSHIP\_TYPE\_CD | C30 | N | Ownership Type Code | MLOV: ASSET\_OWNERSHIP | EIM\_ASSET. AST\_OWNERSHIPTYPEC | S\_ASSET.OWNERSHIP\_TYPE\_CD |
| X\_CLASS\_CD | C30 | N | Class | MLOV: JTI\_CLASS\_TYPE | EIM\_ASSET. X\_CLASS\_CD | S\_ASSET. X\_CLASS\_CD |
| X\_OPEN\_PAYMENT\_NUM | N22, 7 | N | Open Payment from last year |  | EIM\_ASSET. X\_OPEN\_PAYMENT\_NUM | S\_ASSET. X\_OPEN\_PAYMENT\_NUM |
| EXPIRY\_DATE | D | N | Expiry Date (Date Format: yyyy/mm/dd) |  | EIM\_ASSET. AST\_X\_ME\_EXPIRY\_DT | S\_ASSET. X\_ME\_EXPIRY\_DT |
| SERIAL\_NUM | C100 | N | Serial # |  | EIM\_ASSET. AST\_SERIAL\_NUM | S\_ASSET. SERIAL\_NUM |
| X\_ATTRIB\_01 | C30 | N | Attribute 01 | LOV: ASSET\_LOCAL\_ATTRIBUTE\_01 | EIM\_ASSET. X\_ATTRIB\_01 | S\_ASSET.X\_ATTRIB\_01 |
| X\_ATTRIB\_02 | C50 | N | Attribute 02 |  | EIM\_ASSET. X\_ATTRIB\_02 | S\_ASSET. X\_ATTRIB\_02 |
| X\_ATTRIB\_03 | C1 | N | Attribute 03 |  | EIM\_ASSET. X\_ATTRIB\_03 | S\_ASSET. X\_ATTRIB\_03 |
| X\_ATTRIB\_04 | N22,7 | N | Attribute 04 |  | EIM\_ASSET. X\_ATTRIB\_04 | S\_ASSET. X\_ATTRIB\_04 |
| X\_ATTRIB\_05 | D | N | Attribute 05 (Date Format : yyyy/mm/dd) |  | EIM\_ASSET. X\_ATTRIB\_05 | S\_ASSET. X\_ATTRIB\_05 |
| QTY | N22,7 | N | Quantity |  | EIM\_ASSET. AST\_QTY | S\_ASSET. QTY |
| X\_ACTIVE\_TIME\_CD | C100 | N | Active days / hours |  | EIM\_ASSET. AST\_X\_ACTIVETIMECD | S\_ASSET. X\_ACTIVE\_TIME\_CD |
| SERVICE\_TIME | N22,7 | N | Asset Service Time |  | EIM\_ASSET. X\_SERVICE\_TIME\_NUM | S\_ASSET.X\_SERVICE\_TIME\_NUM |
| INSTALLED\_BY | C50 | N | Installed by | FK to S\_USER | EIM\_ASSET.ASTXINSTALLEDLOGI0  EIM\_ASSET.AST\_XINSTALLEDLOGI | S\_ASSET. X\_INSTALLED\_BY\_ID |
| X\_SERIAL\_NUM\_TXT | C100 | N | Serial # |  | EIM\_ASSET. X\_SERIAL\_NUM\_TXT | S\_ASSET. X\_SERIAL\_NUM\_TXT |
| X\_SCAN\_DATE | T | N | Scan Date  Format: YYYY/MM/DD HH24:MI:SS |  | EIM\_ASSET.X\_SCAN\_DATE\_DT | S\_ASSET. X\_SCAN\_DATE\_DT |
| X\_DA\_ACT\_CD | C30 | N | D/A act | LOV: JTI\_DA\_ACT\_TYPE | EIM\_ASSET.X\_DA\_ACT\_CD | S\_ASSET. X\_DA\_ACT\_CD |
| X\_ACT\_DT | T | N | Act date  Format: YYYY/MM/DD HH24:MI:SS |  | EIM\_ASSET.X\_ACT\_DT | S\_ASSET. X\_ACT\_DT |
| X\_AUDITABLE\_FLG | C1 | N | JTI Auditable Flag (Y/N) |  | EIM\_ASSET. X\_AUDITABLE\_FLG | S\_ASSET. X\_AUDITABLE\_FLG |
| X\_APPROVED\_DT | D | N | JTI Approved Date  Format: YYYY/MM/DD HH24:MI:SS |  | EIM\_ASSET. X\_APPROVED\_DT | S\_ASSET. X\_APPROVED\_DT |
| X\_CONTRACTOR\_TXT | C15 | N | JTI Contractor |  | EIM\_ASSET. X\_CONTRACTOR\_TXT | S\_ASSET. X\_CONTRACTOR\_TXT |

# Loading of file data in Sales OLTP

The file is the main source of data for tables *S\_ASSET, S\_ASSET\_BU, S\_ASSET\_EMP, S\_ASSET\_POSTN, S\_ASSET\_ACCNT, S\_INVLOC,* and *S\_INVLOC\_BU.*

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

|  |  |  |
| --- | --- | --- |
| **Corresponding Column in Base table** | **Corresponding column in EIM interface table** | **Description** |
| S\_ASSET.AUTO\_SR\_FLG | EIM\_ASSET.AST\_AUTO\_SR\_FLG | Always ‘N' |
| S\_ASSET.COMP\_UND\_WRNTY\_FLG | EIM\_ASSET.AST\_COMPUNDWRNTYFL | Always ‘N' |
| S\_ASSET.CUSTOMIZABLE\_FLG | EIM\_ASSET.ASTCUSTOMIZABLEFLG | Always ‘N' |
| S\_ASSET.DMNDNG\_DR\_FLG | EIM\_ASSET.AST\_DMNDNG\_DR\_FLG | Always ‘N' |
| S\_ASSET.FLEET\_FLG | EIM\_ASSET.AST\_FLEET\_FLG | Always ‘N' |
| S\_ASSET.HH\_CONSUMED\_FLG | EIM\_ASSET.AST\_HH\_CONSUMEDFLG | Always ‘N' |
| S\_ASSET.PROD\_UND\_WRNTY\_FLG | EIM\_ASSET.AST\_PRODUNDWRNTYFL | Always ‘N' |
| S\_ASSET.REFERENCEABLE\_FLG | EIM\_ASSET.AST\_REFERENCEABLEF | Always ‘N' |
| S\_ASSET.SRL\_NUM\_VRFD\_FLG | EIM\_ASSET.AST\_SRLNUMVRFD\_FLG | Always ‘N' |
| S\_ASSET.UND\_MFG\_WRNTY\_FLG | EIM\_ASSET.AST\_UNDMFGWRNTYFLG | Always ‘N' |
| S\_ASSET\_BU.BU\_ID | EIM\_ASSET.VIS\_BU | Equals ASSET\_BU |
| S\_ASSET.REV\_NUM | EIM\_ASSET.AST\_REV\_NUM | **Only for creation of new assets**: look up the ROW\_ID based on OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU from S\_ORG\_EXT |
| S\_ASSET.X\_EXTERNAL\_SOURCE | EIM\_ASSET.X\_EXTERNAL\_SOURCE | Pre- defaulted to “EXTERNAL” |
| S\_ASSET.STATUS\_CD | EIM\_ASSET.AST\_STATUS\_CD | Asset Status: Can be set to Active or Inactive |
| S\_ASSET.INTEGRATION\_ID | EIM\_ASSET.AST\_INTEGRATION\_ID | COUNTRY\_CODE + ASSET\_NUM |
| S\_ASSET.PR\_ACCNT\_ID | EIM\_ASSET.AST\_PR\_ACCNT | Always ‘Y' |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_ASSET\_NUM | **Only for creation of new assets**: Equals to ASSET\_NUM |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_PROD\_BU | **Only for creation of new assets**: Equals to PRODUCT\_BU |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_PROD\_NAME | **Only for creation of new assets**: Look up NAME from S\_PROD\_INT based on PRODUCT\_CODE |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_NAME | **Only for creation of new assets**: Look up NAME from S\_ORG\_EXT based on PRODUCT\_CODE |
| S\_ASSET\_ACCNT.ASSET\_ID | EIM\_ASSET.AST\_REV\_NUM | **Only for creation of new assets**: look up the ROW\_ID based on OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU from S\_ORG\_EXT |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_ASSET\_NUM | **Only for creation of new assets**: Equals to ASSET\_NUM |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_PROD\_BU | **Only for creation of new assets**: Equals to PRODUCT\_BU |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_PROD\_NAME | **Only for creation of new assets**: Look up NAME from S\_PROD\_INT based on PRODUCT\_CODE |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_NAME | **Only for creation of new assets**: Look up NAME from S\_ORG\_EXT based on PRODUCT\_CODE |
| S\_ASSET\_POSTN.ASSET\_ID | EIM\_ASSET.AST\_REV\_NUM | **Only for creation of new assets**: look up the ROW\_ID based on OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU from S\_ORG\_EXT |
| S\_ASSET\_POSTN.POSITION\_ID | EIM\_ASSET.PSTN\_NAME | **Only for creation of new assets**: look up the NAME from S\_POSTN based on PR\_POSTN\_ID in S\_ORG\_EXT derived from OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU. |
| S\_ASSET\_POSTN.POSITION\_ID | EIM\_ASSET.PSTN\_OU\_BU | **Only for creation of new assets**: Always ‘Default Organization’ |
| S\_ASSET\_POSTN.POSITION\_ID | EIM\_ASSET.PSTN\_OU\_LOC | **Only for creation of new assets**: look up the LOC from S\_POSTN based on PR\_POSTN\_ID in S\_ORG\_EXT derived from OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU. |
| S\_ASSET\_POSTN.POSITION\_ID | EIM\_ASSET.PSTN\_OU\_NAME | **Only for creation of new assets**: Organization of PR\_POSTN\_ID in S\_ORG\_EXT derived from OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU. |
| S\_ASSET\_POSTN.ASGN\_DNRM\_FLG | EIM\_ASSET.PSTN\_ASGN\_DNRM\_FLG | **Only for creation of new assets**: Always ‘N’ |
| S\_ASSET\_POSTN.ASGN\_MANL\_FLG | EIM\_ASSET.PSTN\_ASGN\_MANL\_FLG | **Only for creation of new assets**: Always ‘Y’ |
| S\_ASSET\_POSTN.ASGN\_SYS\_FLG | EIM\_ASSET.PSTN\_ASGN\_SYS\_FLG | **Only for creation of new assets**: Always ‘N’ |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_ASSET\_NUM | **Only for creation of new assets**: Equals to ASSET\_NUM |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_PROD\_BU | **Only for creation of new assets**: Equals to PRODUCT\_BU |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_PROD\_NAME | **Only for creation of new assets**: Look up NAME from S\_PROD\_INT based on PRODUCT\_CODE |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_PROD\_VEN\_BU | **Only for creation of new assets**: Equals to ASSET\_BU |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_PROD\_VEN\_NAME | **Only for creation of new assets**: Look up NAME from S\_ORG\_EXT based on PRODUCT\_CODE |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.AST\_REV\_NUM | **Only for creation of new assets**: look up the ROW\_ID based on OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU from S\_ORG\_EXT |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.EMP\_EMP\_LOGIN | **Only for creation of new assets**: Look up LOGIN from S\_USER based on PR\_POSTN\_ID in S\_ORG\_EXT derived from OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU. |
| S\_ASSET\_EMP.ASSET\_ID | EIM\_ASSET1.EMP\_LOGIN\_DOMAIN | **Only for creation of new assets**: Look up LOGIN\_DOMAIN from S\_USER based on PR\_POSTN\_ID in S\_ORG\_EXT derived from OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU. |
| S\_ASSET\_EMP.RELATION\_TYPE\_CD | EIM\_ASSET1.EMP\_RELATIONTYPECD | **Only for creation of new assets**: Default value is ‘STANDARD’ |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_ASSET\_NUM | Equals ASSET\_NUM |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_BU | Equals ASSET\_BU |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_PROD\_BU | Equals ASSET\_BU |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_PROD\_NAME | Equals the ASSET\_TYPE |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_BU | Equals ASSET\_BU |
| S\_ASSET\_BU. ASSET\_ID | EIM\_ASSET.AST\_PROD\_VEN\_NAME | Look up based on AST\_PROD\_NAME |
| S\_ASSET\_BU.BU\_ID | EIM\_ASSET.VIS\_BU | Equals ASSET\_BU |
| S\_INVLOC.NAME | EIM\_INVLOC.LOC\_NAME | Only for creation of new ML (if ML\_NAME is null): Location Name: Equals ASSET\_NUM+ OWNER\_ACCNT\_NAME |
| S\_INVLOC.BU\_ID | EIM\_INVLOC.LOC\_BU | Equals ASSET\_BU |
| S\_INVLOC.INVLOC\_TYPE\_ID | EIM\_INVLOC.LOC\_INV\_LOC\_TYPE | Inventory Location Type (LOVB: FS\_INVLOCTYPE\_TYPE) also a lookup should be performed on S\_INVLOC\_TYPE to check the X\_STATUS\_CD which should be Active. |
| S\_INVLOC.REPLNSH\_LOCKED\_FLG | EIM\_INVLOC.LOCREPLNSHLOCKEDFL | Always “N” |
| S\_INVLOC\_BU.BU\_ID | EIM\_INVLOC.VIS\_BU | Equals ASSET\_BU |
| S\_INVLOC.ACTIVE\_FLG | EIM\_INVLOC.LOC\_ACTIVE\_FLG | ML status: can be ‘N’ or ‘Y’. Refer to section 4.3 of HLFD. |
| S\_INVLOC\_BU. ACTIVE\_FLG | EIM\_INVLOC.ACTIVE\_FLG | ML status: can be ‘N’ or ‘Y’ |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_ASSET.ROOT\_AST\_BU | Equals ASSET\_BU |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_INVLOC.ROOT\_AST\_NUM | Equals to ASSET\_NUM |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_INVLOC.ROOT\_AST\_PDVN\_BU | Equals ASSET\_BU |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_INVLOC.ROOT\_AST\_PDVN\_NAME | Look up based on AST\_PROD\_NAME |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_INVLOC.ROOT\_AST\_PROD\_BU | Equals ASSET\_BU |
| S\_ASSET.ROOT\_ASSET\_ID | EIM\_INVLOC.ROOT\_AST\_PROD\_NAME | Equals the ASSET\_TYPE |
| S\_ASSET.ROOT\_ASSET\_ID | ROOT\_REV\_NUM | **Only for creation of new assets**: look up the ROW\_ID based on OWNER\_ACCNT\_NAME and OWNER\_ACCNT\_BU from S\_ORG\_EXT |
| S\_ASSET. SUPPLIER\_OU\_ID | EIM\_ASSET.SUPPLI\_ACCNT\_BU | Look up based on AS\_MANUFACTURER |
| S\_ASSET. SUPPLIER\_OU\_ID | EIM\_ASSET.SUPPLI\_ACCNT\_LOC | Look up based on AS\_MANUFACTURER |

# Validation for Load of Flat File

## LOV checks

The LOV Type of the following columns needs to be verified to see if it exists and if it is active.

|  |  |
| --- | --- |
| **Column Name** | **LOV Type** |
| STATUS\_CD | IMPL\_PHASE |
| LOC\_SUBTYPE | INVLOC\_SUBTYPE\_CD |
| SKU\_POSITION | JTI\_SKU\_POSITION |
| VISIBILITY\_CD | JTI\_VISIBILITY |
| LOC\_INV\_LOC\_TYPE | FS\_INVLOCTYPE\_TYPE. Also, a lookup should be performed on base table S\_INVLOC\_TYPE to verify the X\_STATUS\_CD which should be Active. INVLOCTYPE will be derived from Asset type. |
| OWNERSHIP\_TYPE\_CD | ASSET\_OWNERSHIP |
| X\_CLASS\_CD | JTI\_CLASS\_TYPE |
| LOC\_DESC\_TEXT\_ML | JTI\_MERCHANDISE\_LOC |
| LOC\_X\_SH\_SALESUNIT | JTI\_SHELF\_SALES\_UNIT |
| X\_MERCH\_LOC\_STATUS\_CD | JTI\_MERCH\_LOC\_STATUS |
| LOC\_INV\_OWNER\_CD | FS\_INVLOC\_OWNERSHIP |
| CONDITION\_CD | UT\_EQUIP\_CODITION |
| X\_SHOWCASE\_CD | JTI\_SHOWCASE |
| X\_ATTRIB\_01 | ASSET\_LOCAL\_ATTRIBUTE\_01 |
| X\_DA\_ACT\_CD | JTI\_DA\_ACT\_TYPE |

## Foreign keys check and other validations

### **Null checks**

These fields should not be NULL as they are required for loading asset details.

EIM\_ASSET.AST\_ASSET\_NUM

EIM\_ASSET.AST\_BU

EIM\_ASSET.AST\_PROD\_NAME

EIM\_ASSET.AST\_PROD\_BU

EIM\_ASSET.OWNER\_ACCNT\_NAME

EIM\_ASSET.OWNER\_ACCNT\_BU

### **Duplicate check**

To verify if there are duplicates, the following fields should be used to uniquely identify a line in the flat file.

EIM\_ASSET.AST\_NUM

EIM\_ASSET.AST\_BU

EIM\_ASSET.AST\_PROD\_NAME

EIM\_ASSET.AST\_PROD\_BU

### **Foreign Key check**

Checks need to be performed on Foreign Keys as well to verify if the EIM columns will return a specific row in the Base Tables.

EIM\_ASSET

1. To check whether provided Business Unit exists.

AST\_BU 🡪 S\_BU.NAME

1. To check whether provided product code exists in the base table for the given Business Unit

AST\_PROD\_NAME + AST\_PROD\_BU 🡪 S\_PROD\_INT.PART\_NUM + S\_PROD\_INT.BU\_ID

1. To validate whether provided Outlet Account code exists in the base table for the given Business Unit

OWNER\_ACCNT\_NAME + OWNER\_ACCNT\_BU 🡪 S\_ORG\_EXT.NAME + S\_ORG\_EXT.BU\_ID

1. To validate whether provided Owner Account code exists in the base table for the given Business Unit

ACCNT\_NAME + ACCNT\_BU 🡪 S\_ORG\_EXT.NAME + S\_ORG\_EXT.BU\_ID

1. To validate whether provided Manufacturer code exists in the base table for the given Business Unit

AS\_MANUFACTURER 🡪 S\_ORG\_EXT.NAME + S\_ORG\_EXT.BU\_ID + S\_ORG\_EXT.LOC

1. To validate whether provided Login exists in the base table for the given Business Unit

INSTALLED\_BY 🡪 S\_USER.LOGIN + S\_USER.DOMAIN\_LOGIN (TBC)

### **Other Validations**

A check will be done on the PRODUCT\_CODE & PRODUCT\_BU to validate the ASSET\_FLG. If the asset flag is not equal to “Y” the record will be rejected.

## Handling the creation/update/deactivation of Asset/ML

After the data has been validated from the flat file, the creation or update of Asset/ML and deactivation of the ML will need to be handled properly.

To decide what action to take for the creation/update/deactivation of the Assets/ML combination in the application, the following points should be taken into consideration:

1. The status of the Asset/ML should be set according to the status sent in the Flat file for the Asset/ML
2. A Merchandising Location of type Vending Machine should be created for an asset if the former does not exist into the Application.
3. If an Asset/ML must change outlets in the application (Outlet in the Application to which the Asset/ML is linked is different from the outlet in the Flat File)
   1. The first step is to deactivate the ML combination that was linked to the Outlet in the Application
   2. The second step is to recreate the ML combination in the Application, with the new Outlet specified in the Flat file, with the status of both Asset and ML to Active, and linked the asset to new outlet.
4. If the Asset/Ml coming from the flat file does not exist in the Application, then both are created with their status as Active.

~~Please note that for deactivation of the asset, the field STATUS\_CD from the base table S\_ASSET is used and set to Inactive.~~

~~For creation of new Assets, the REV\_NUM, being part of the user key, will contain the Account’s ROW\_ID. This will ensure uniqueness of the assets in the system.~~

For the deactivation of the ML ~~of type “Vending~~”, the field ACTIVE\_FLG from the base table S\_INVLOC is set to “N”.

For creation of new ML, the LOC\_NAME will contain the Asset Number concatenated with the Account name.

~~It should be noted that for deactivating assets, another batch (different from the batch generated for the load of new assets or update of existing assets) is generated from the ETL Process.~~

For deactivating Merchandizing Locations as well, another batch (different from the batch generated for the load of new assets or update of existing assets) is generated from the ETL Process.

In addition, old records in S\_ASSET\_EMP related to the asset are deleted. Based on the ASSET\_NUM and ASSET\_BU, we retrieve all existing records in S\_ACT\_EMP for assets in the Flat File and populate EIM\_ASSET1 (in a different batch range). The records in the EIM\_ASSET1 are used to delete the records in S\_ASSET\_EMP before a single record is created in the S\_ASSET\_EMP per asset.

# IFB Files

The IFB file used during the EIM process for this interface is: IFA\_ENU\_AS\_Assets\_IMP.IFB & IFA\_ENU\_AS\_Assets\_POP.ifb