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| **ABC Data Interface Detailed Design Specification Version 1.0** |
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**Author**

Your name indicates that this document has been prepared with input from content experts and it is in compliance with applicable corporate, local, and project standards.

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| ABC | Developer |

**Revision History**

| **Revision** | **Revision Date** | **Reason for Revision** | **Change Request** | **Revised By** |
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# **Document Description:**

This document intends to provide low level design details for sourcing and subsequent processing of ABC amount, unit & DOT data and Potential Segment & Population details from input files MSB\_ Y\*\*\*\*.txt and CGETS\_ido.xlsx received at input path H:\ DataFiles\InputFiles\.

# **Detailed Design Description:**

## **Execution Frequency:**

* Monthly data load for ABC
* Adhoc data load for Potential segment and Population data

## **Execution Precondition**:

For data refresh to happen all the required Spain IMS input files should be available at input path H:\DataFiles\InputFiles\.

## **Loading Strategy**:

* This is a truncate load.
* 24 month of data will be loaded into ABC database for Sales data.
* Following set of process will be used to load the data from ABC input files to DEF:

### **Load Sales data into corresponding Fact table:**

* File MSB\_ LY\*\*\*\*\*\*.txt will be received from ABC to AS location at path H:\DataFiles\InputFiles\. Input file in .txt format will be converted to .csv format by batch script RUN \_PREPROCESS\_.bat
* Following fields from input file MSLY\*\*\*\*\*\*.csv present at path H:\ DataFiles\InputFiles\ will be extracted into the landing table LT\_SLS\_EX using batch script RUN\_\_EXTRACT\_.bat
  + Zip
  + Product
  + 24 Months SALES AMOUNT
  + 24 Months SALES UNIT
  + 24 Months Sales DOT
* Extracted data from landing table is populated in to target table FACT\_\_SLS using ULC\_SLS file definit.
* The parameters as well as batch script used to load this target table are – RUN\_ULC\_ E.BAT ULC\_ IMS\_SLS
* Field mapping for FACT \_SLS table from Sales file:

Zip - From LT\_SLS\_EX

PROD\_NM - From LT\_SLS\_EX

SLS\_AMT - From LT\_SLS\_EX

SLS\_UNT - From LT\_SLS\_EX

SLS\_DOT - From LT\_SLS\_EX

GEO - From LT\_ZIP\_TO\_BRICK\_ES\_EX

PROD\_GRP\_CD - From LT\_ ROD\_MAP\_ES\_EX

MONTH - From LT\_SLS\_EX

**Intermediate tables: -**

**Loading Product Name to Marketed product name cross-reference data**

Data from input file IM\_PROD\_.csv present at path H:\DataFiles\InputFiles will be extracted into the landing table LT\_ PROD\_MAP using the batch script RUN\_ ACT\_ LE.bat

**Loading Zip to Brick cross-reference data**

* Zip to Brick data from ODS table GCO\_PARTY\_US will be extracted into the landing table LT\_ZIP\_TO\_BRICK using the batch script RUN\_ULC\_EXTRACT\_ODBC\_SQLFILE.bat

**Loading Zip to Region data**

* Data from input file ZIP\_TO\_REGION\_ES present at path H:\DataFiles\InputFiles will be extracted into the landing table LT\_ZIP\_TO\_REGION using the batch script RUN\_ULC\_EXTRACT\_LOCAL\_FILE.bat
* Geography Zip data from landing table LT\_ZIP\_TO\_REGION will be loaded into ADS table ATT\_GEO using ULC\_GEO\_ZIP.
* Geography State data from landing table LT\_ZIP\_TO\_REGION will be loaded into ADS table ATT\_GEO using ULC\_GEO\_ST.
* Geography District data from landing table LT\_ZIP\_TO\_REGION will be loaded into ADS table ATT\_GEO using ULC\_GEO\_DSTRCT.

**Data Flow Diagram to Load Sales Data for Country**

Data Flow to load IMS Sales data for ES

DM\_SLS  
(PRD100

FACT\_IMS\_SLS\_ES  
(PRD10)

Sales File

WA Scheduler

WA Scheduler

H:\DataFiles\InputFiles ADS Target Datamart

Note: Source File Location: H:\DataFiles\InputFiles

Target Database/Schema: PRD10 / WHSU

**Input Parameters:**

Following parameters which will be supplied while running the ULC’s:

|  |  |
| --- | --- |
| **Batch Script Windows Server** | IDEV02/IQA01/IPRD01(DEV/QA/PRD) |
| **Batch Script Path** | H:\Scripts |
| **Batch Script Name** | RUN\_ULC\_EXTRACT\_LOCAL\_FILE.bat  RUN\_ULC\_TDS\_LOCAL\_SQLFILE.bat |

**ULCs and its Parameters:**

|  |  |
| --- | --- |
| **ULC Name** | **Parameters**  (ULC Label, SQL Folder name, Delimiter, Landing Table) |
| ULC\_EXTRACT\_ONLY | ULC\_EXTRACT\_ONLY ES\IMS\_PROD\_MAP\_ES ";" LT\_IMS\_PROD\_MAP\_ES\_EX |
| ULC\_EXTRACT\_ONLY | ULC\_EXTRACT\_ONLY ES\CUENTAS\_TARGETS\_Compartido "," LT\_IMS\_TARGS\_ES\_EX |
| ULC\_EXTRACT\_ONLY | ULC\_EXTRACT\_ONLY ODS ULC\_ ZIP\_TO\_BRICK\_ES  LT\_ZIP\_TO\_BRICK\_ES\_EX |
| ULC\_EXTRACT\_ONLY | ULC\_EXTRACT\_ONLY ES\ ZIP\_TO\_REGION\_ES "," LT\_ZIP\_TO\_REGION\_ES\_EX |
| ULC\_TDS\_IMS\_SLS\_ES | ULC\_TDS\_IMS\_SLS\_ES |

**Execution Post condition:**

After load completion, analysis of rejected records will be done as per business rules to identify whether the rejects are valid/invalid and accordingly taken will be taken.

* Log file are created at *H:\ Logs\<System Date>\\*.log*

**Selection / Transformation Logic:**

Refer to SLS\_ \_MAPPING\_SHEET for necessary data quality checks/business rules applied.