

**Oracle® Retail Data Warehouse**  
Operations Guide  
Release 13.0

April 2008

Copyright © 2008, Oracle. All rights reserved.

Primary Author: Nathan Young

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software—Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

## Value-Added Reseller (VAR) Language

- (i) the software component known as **ACUMATE** developed and licensed by Lucent Technologies Inc. of Murray Hill, New Jersey, to Oracle and imbedded in the Oracle Retail Predictive Application Server – Enterprise Engine, Oracle Retail Category Management, Oracle Retail Item Planning, Oracle Retail Merchandise Financial Planning, Oracle Retail Advanced Inventory Planning and Oracle Retail Demand Forecasting applications.
- (ii) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.
- (iii) the **SeeBeyond** component developed and licensed by Sun Microsystems, Inc. (Sun) of Santa Clara, California, to Oracle and imbedded in the Oracle Retail Integration Bus application.
- (iv) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Store Inventory Management.
- (v) the software component known as **Crystal Enterprise Professional and/or Crystal Reports Professional** licensed by Business Objects Software Limited (“Business Objects”) and imbedded in Oracle Retail Store Inventory Management.
- (vi) the software component known as **Access Via**<sup>TM</sup> licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.
- (vii) the software component known as **Adobe Flex**<sup>TM</sup> licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.
- (viii) the software component known as **Style Report**<sup>TM</sup> developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (ix) the software component known as **i-net Crystal-Clear**<sup>TM</sup> developed and licensed by I-NET Software Inc. of Berlin, Germany, to Oracle and imbedded in the Oracle Retail Central Office and Oracle Retail Back Office applications.
- (x) the software component known as **WebLogic**<sup>TM</sup> developed and licensed by BEA Systems, Inc. of San Jose, California, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (xi) the software component known as **DataBeacon**<sup>TM</sup> developed and licensed by Cognos Incorporated of Ottawa, Ontario, Canada, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.



---

---

# Contents

<b>Preface .....</b>	<b>ix</b>
Audience .....	ix
Related Documents.....	ix
Customer Support.....	ix
Review Patch Documentation.....	x
Oracle Retail Documentation on the Oracle Technology Network.....	x
Conventions.....	x
<b>1 Introduction .....</b>	<b>1</b>
What is RDW and Data Warehousing?.....	1
Technical Architecture .....	3
Dimension Processing.....	3
Fact Processing.....	4
Process to Update Records in RDW .....	5
<b>2 Dimension Data Concepts .....</b>	<b>7</b>
An Overview of RDW Dimension Processing.....	7
Dimensions.....	8
Major Changes and Lower-Level Dimensions.....	9
Minor Changes and Top-Level Dimensions .....	9
Actions During Processing .....	10
Maintenance Columns in the DM Table.....	10
Keys and Identifiers.....	10
Next_key_val.....	11
As-was vs. As-is .....	11
Pushdowns .....	11
An Overview of RDW Dimension Processing Flows.....	12
Data Preparation for Lower-Level Dimensions.....	12
Data Preparation for Lower-Level Dimensions Flow Description .....	14
Major and Minor Change Capture for Lower-Level Dimensions Flow .....	15
Major and Minor Change Capture for Lower-Level Dimensions Flow Description .....	16
Processing for the Regular Top-Level Dimensions .....	17
Regular Top-Level Dimension Processing Data Flow Description.....	18
Processing for Special Top-Level Dimensions .....	19
Special Top-Level Dimension Processing Data Flow Description.....	19
Datamart Table.....	20
Dimension Datamart (DM) Table .....	20
<b>3 Fact Data Concepts .....</b>	<b>21</b>
An Overview of RDW Fact Processing .....	21
Fact Functional Areas .....	22
Fact Table Types: Base and Aggregate.....	23

---

Fact Temp Table Usage .....	23
General Fact Processing .....	23
Detailed Fact Load Description.....	24
Base Fact Loading Process Flow Description.....	26
Fact Aggregation.....	27
Positional Fact Aggregation .....	27
Standard Fact Aggregation.....	28
Fact Aggregation from a Base Fact Table Flow Diagram .....	28
Fact Aggregation from a Base Fact Table Flow Description.....	29
Fact Aggregation from Another Aggregate Fact Table Diagram.....	32
Fact Aggregation from another Aggregate Fact Table Description.....	32
Derived Datamarts .....	34
<b>4 Compression and Partitioning .....</b>	<b>37</b>
Overview of Compression.....	37
What Compression Does .....	37
The Mechanics of Compression .....	38
Compressed Tables and CUR Tables .....	39
Coping with Major Changes .....	39
Overview of Partitioning Strategies .....	40
Implementing RDW Partitioning .....	41
An Example of Setup and Maintenance for Partitioning RDW Compressed Inventory Tables Using Warehouse Partitioning .....	43
How Oracle Implements Partitions.....	45
Summary .....	46
<b>5 RDW Program Overview .....</b>	<b>47</b>
Program Features.....	47
Program Return Code .....	47
Restart and Recovery.....	47
RDW Restart and Recovery .....	47
Message Logging .....	48
Program Error File.....	49
Schema Files .....	49
Resource Files.....	50
Command Line Parameters.....	50
Partitioning.....	50
Temporary Directory .....	50
The First Time RDW Batch is Run.....	51
Typical mt_prime.ksh run .....	51
Typical Run and Debugging Situations.....	51
RDW Dimension Load .....	52
RDW Fact Load .....	53

---

<b>6</b>	<b>RDW Interfaces .....</b>	<b>55</b>
	Oracle Retail Merchandising System .....	56
	Dimension Data.....	56
	Fact Data.....	56
	Oracle Retail Invoice Matching (ReIM).....	57
	Oracle Retail Price Management (RPM) .....	57
	Oracle Retail Merchandise Financial Planning (MFP) .....	57
	Client-Supplied Data .....	58
	RDW Integration with Oracle Retail Workspace.....	58
	SSO Launch from ORW .....	59
	Listing and Launching RDW Reports and Dashboards from ORW .....	59
	Displaying RDW Reports and Dashboards in ORW Dashboards .....	59
<b>7</b>	<b>Program Flow Diagrams .....</b>	<b>61</b>
	Batch Scheduling.....	61
	Setting up the Batch Schedule .....	61
	rdw_config.env Settings.....	62
	Data from Undefined Sources .....	63
	Program Flow Diagrams.....	63
	Legend: RDW Dimension Programs.....	65
	Legend: RDW Fact Programs.....	72
<b>8</b>	<b>Program Reference Lists .....</b>	<b>83</b>
	Dimension Programs.....	83
	Fact Programs .....	99
	Maintenance Programs.....	125
	Program Type and Operation Type Descriptions .....	133
	Dimension Types .....	133
	Fact Types .....	141
	Maintenance Types.....	153
<b>A</b>	<b>Appendix: Application Programming Interface (API) Flat File Specifications ..</b>	<b>155</b>
	API Format.....	155
	File Layout .....	155
	General Business Rules and Standards Common to All APIs .....	156
	Flat File Specifications .....	157



---

---

# Preface

Oracle Retail Operations Guides are designed so that you can view and understand the applications behind-the-scenes processing, including such information as the following:

- Key system administration configuration settings
- Technical architecture
- Functional integration dataflow across the enterprise
- Batch processing

## Audience

Anyone who has an interest in better understanding the inner workings of the Data Warehouse system can find valuable information in this guide. There are three audiences in general for whom this guide is written:

- System analysts and system operation personnel:
  - Who are looking for information about Data Warehouses processes internally or in relation to the systems across the enterprise
  - Who operate Data Warehouse on a regular basis
- Integrators and implementation staff who have the overall responsibility for implementing Data Warehouse into their enterprise
- Business analysts who are looking for information about processes and interfaces to validate the support for business scenarios within Data Warehouse and other systems across the enterprise

## Related Documents

For more information, see the following documents in the Oracle Retail Data Warehouse Release 13.0 documentation set:

- Oracle Retail Data Warehouse Middle Tier Installation Guide
- Oracle Retail Data Warehouse Database Installation Guide
- Oracle Retail Data Warehouse Release Notes
- Oracle Retail Data Warehouse User Guide
- Oracle Retail Data Warehouse Data Model
- Oracle Business Intelligence Enterprise Edition (OBI EE) documentation

## Customer Support

<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

For a base release (".0" release, such as 13.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information and code changes that have been made since the base release.

## Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement "the Window Name window opens."

---

---

**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

---

---

This is a code sample  
It is used to display examples of code

A hyperlink appears like this.

---

---

# Introduction

This RDW version contains enhanced localization functionality and works in conjunction with the Oracle Retail Extract Transform and Load (RETL) 13.0 framework. This architecture optimizes a high performance data processing tool that lets database batch processes take advantage of parallel processing capabilities.

With the implementation of RETL, the RDW client benefits from the following capabilities:

- Parallel computing technology
  - Promotes the flexibility of a stand-alone solution
  - Lets database batch processes take full advantage of parallel processing capabilities
  - Increases scalability, leveraging parallel processing of both the system and database server (reads, writes, performs transformations and aggregations)
- Expanded use of Application Programming Interfaces (API): Allows for easier customization
- Elimination of table triggers: Reduces the burden on the source system
- Extensible Markup Language (XML) scripts: Facilitate the framework's ability to process fact and dimension data by using valid operators
- Streamlined ETL Code: Provides for less data storage, easier implementation, and reduced maintenance requirements through decreased code volume and complexity

## What is RDW and Data Warehousing?

A data warehouse is a physical place, a database, where you can place data from a transactional system, such as Oracle Retail Merchandising System (RMS), for the purpose of querying that data. In order to work with RDW, you start by populating it with existing data from source systems such as RMS, Oracle Retail Price Management (RPM), Oracle Retail Merchandise Financial Planning (MFP), and Oracle Retail Invoice Matching (ReIM).

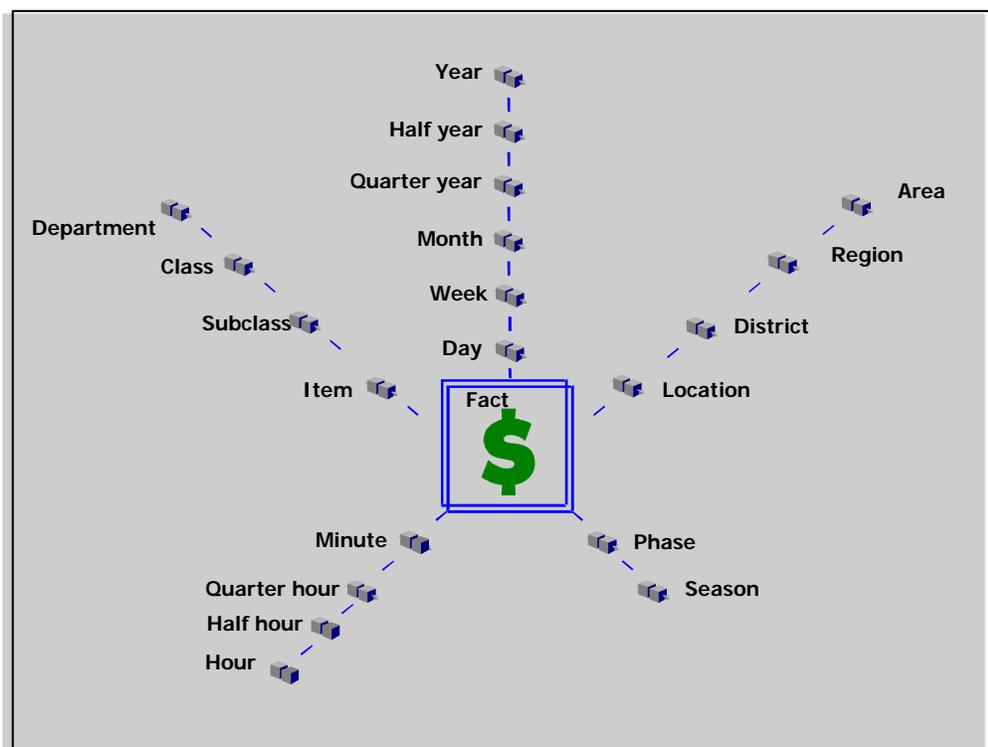
RDW uses sophisticated techniques to populate the data warehouse. Explained in greater detail throughout this guide, these techniques include taking the data provided by source systems (such as RMS) and then rapidly transforming that data and loading it into the data warehouse. Techniques used to load data into the warehouse vary depending upon whether the data consists of 'facts' or 'dimensions'.

Understanding the differences between fact and dimension data depends first upon understanding data processing in a data warehouse. RDW uses an online analytical processing (OLAP) application that serves as an interface to your data, giving it meaning through pre-designed and custom queries and reports. The data warehouse itself supports these queries by structuring data in a useful schema. Note that the word 'schema' in this context is an industry-standard term that refers to the way in which data is modeled and organized throughout a data warehouse and should not be confused with the 'schema files' that are described later in this document. (For more information about schema files, see the latest *Oracle Retail Extract, Transform, and Load Programmer's Guide*.)

At the center of this schema is fact data. Facts are the transactions that occur in your data warehouse's source systems, such as RMS. You might want to look at sales transaction facts, or inventory stock count facts at stores or warehouses, or inventory movement facts.

Facts have little meaning by themselves because they are usually just values, that is: 6 sales at a store, 15 items left at a warehouse, or 300 items transferred. What gives fact data true meaning in RDW is the intersection of dimensions in which facts exist. In other words, 6 sales on Wednesday at store B, or 15 dishwashers in stock last Monday at the Chicago warehouse, or 300 blouses transferred during the last week in February from the St. Louis warehouse to the Denver warehouse. Dimension data, therefore, exists in the data warehouse to serve as reference data to facts.

The schema of a data warehouse illustrates its data elements and their inter-relationships. The following graphic describes the schema used in RDW:



### Snowflake Schema in RDW

The RDW schema, the 'snowflake schema', starts out as a star with a fact in the middle surrounded by rays pointing out from the center. These points are the dimension data that give meaning to the fact by serving as points of reference.

RDW contains far greater volumes of fact data than it does dimension data. Besides being more abundant than dimensions, facts change constantly as new data enters the database. Dimension data, on the other hand, changes much less frequently. New stores need to be added into the data warehouse much less frequently than new sales transactions (fact data) that need to be processed daily. Because of the different natures of fact and dimension data, RDW employs different techniques to load and manipulate the data.

The dimension and fact processing sections located later in this chapter illustrate the differences in these two processes, both of which contribute to the success of RDW as your data warehouse. A more detailed description of dimension and fact processing concepts continues throughout the next two chapters.

## Technical Architecture

The primary goal of the RETL architecture is to take advantage of enhanced parallel processing capabilities. The RETL framework runs and parses through the valid operators composed in XML scripts.

In this section, three features of RDW are described: dimension processing, fact processing, and the process to update records.

### Dimension Processing

The following diagram illustrates the dimension processing architecture that is employed in RDW. The process involves comparing a dimension data file that contains the current snapshot of the applicable source system table with the historical data in RDW. This comparison eliminates the need to capture frequent dimension changes as they occur in the source system over the course of the day. The comparison is performed on the RETL framework and written back directly to the datamart tables in RDW. The source dimension data file can be created for retailers that have the Oracle Retail source applications by running the data extraction programs that are packaged with the applications. Retailers without these source applications must provide the data files from their source system in the format recognized by RDW (see Appendix A).

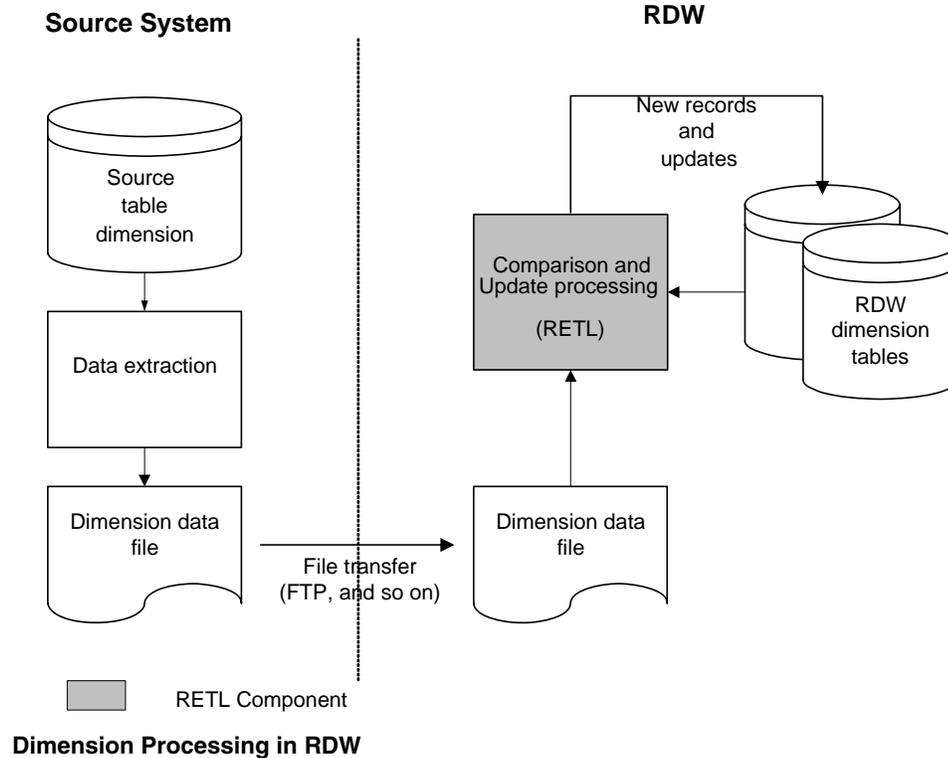
---

---

**Note:** Dimension data extraction programs are available for retailers with Oracle Retail source applications (that is, RMS and RPM). These programs are packaged with the applications.

---

---



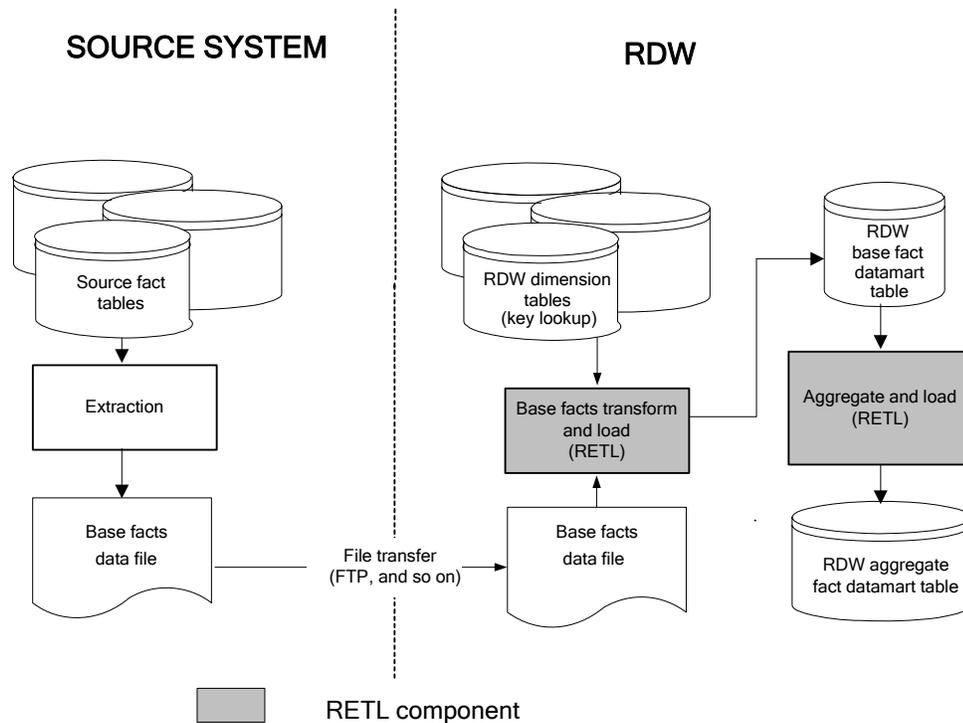
## Fact Processing

Fact data provided via a base fact data file is transformed, aggregated, and loaded directly into RDW datamart tables without the need of staging tables. The source fact data file can be created for retailers that have Oracle Retail source applications by running the data extraction programs that are packaged with these applications. Retailers without the Oracle Retail source applications must provide data files from their source system in the format recognized by RDW (see “Appendix A – Application Programming Interface (API) Flat File Specifications”).

---

**Note:** Fact data extraction and transformation programs are available for retailers with Oracle Retail source applications (that is, RMS, MFP, and ReIM).

---



### Fact Processing in RDW

## Process to Update Records in RDW

Updates into the database are accomplished through one of two processes, depending upon whether a normal update or an incremental update is occurring. An incremental update (applicable to fact processing only) is one that sums the incoming records with the old records in the target table and replaces those old records with the new summed records. A normal update is one that uses incoming records to replace old records in the target table. There are two ways to perform normal updates. The first way is 'delete, insert' logic. The second way is using the Oracle 'merge' statement. Oracle 'merge' is used on larger volume tables to improve performance.

---

**Note:** The temporary tables that are mentioned throughout this operations guide are always dropped by the batch code every day, after the various batch processes that use the temporary tables complete.

---

### Normal Update Description

Update using 'delete, insert' logic:

1. The dataset (containing the new records) is written into a temporary table.
2. This temporary table is used to determine which of the old update records in the target table should be deleted.
3. The old records are deleted from the target table.
4. The new records are inserted into the target table.

Update using 'merge' logic:

1. The dataset (containing the new records) is written into a temporary table.
2. This temporary table is used to determine which of the old update records in the target table should be merged (updated).
3. The old records are updated and new records are inserted into the target table by using merge statement.

**Incremental Update Description (Applicable to Fact Processing Only)**

1. The dataset (containing the new records) is written to a temporary table.
2. The records to be updated are read from the target table and a second temporary table (temporary table 2) is created.
3. The temporary table 2 is used to determine which of the old update records in the target table should be deleted, and those records are deleted.
4. The records in the temporary table and in temporary table 2 are combined to form a new dataset.
5. The new dataset is grouped by the primary keys of the target table to sum up the required fact fields.
6. The resulting dataset is written to the target table (that is, the records are inserted into the target table).

---

---

## Dimension Data Concepts

This chapter describes how RDW processes dimension data from the source system or systems. This chapter presents the following dimension data concepts in RDW:

- An overview of dimension data processing
- The dimensions in RDW
- Detailed dimension processing flows

### An Overview of RDW Dimension Processing

The following description and “Dimension Processing in RDW” diagram offer an overview of the RDW dimension process.

Note that there is an exception to this extraction process (see the section, “Processing for Special Top-Level Dimensions,” later in this chapter. The data file is transferred to the RDW server using a common data transfer process such as FTP.

The process involves comparing a dimension data file that contains the current snapshot of the applicable source system table with the historical data in RDW. This comparison eliminates the need to capture frequent dimension changes as they occur in the source system over the course of the day. The comparison is performed on the RETL framework and written back directly to the datamart tables in RDW. The source dimension data file can be created for retailers that have the Oracle Retail source applications by running the data extraction programs that are packaged with the applications. Retailers without these source applications must provide the data files from their source system in the format recognized by RDW (see “Appendix A – Application Programming Interface (API) Flat File Specifications”).

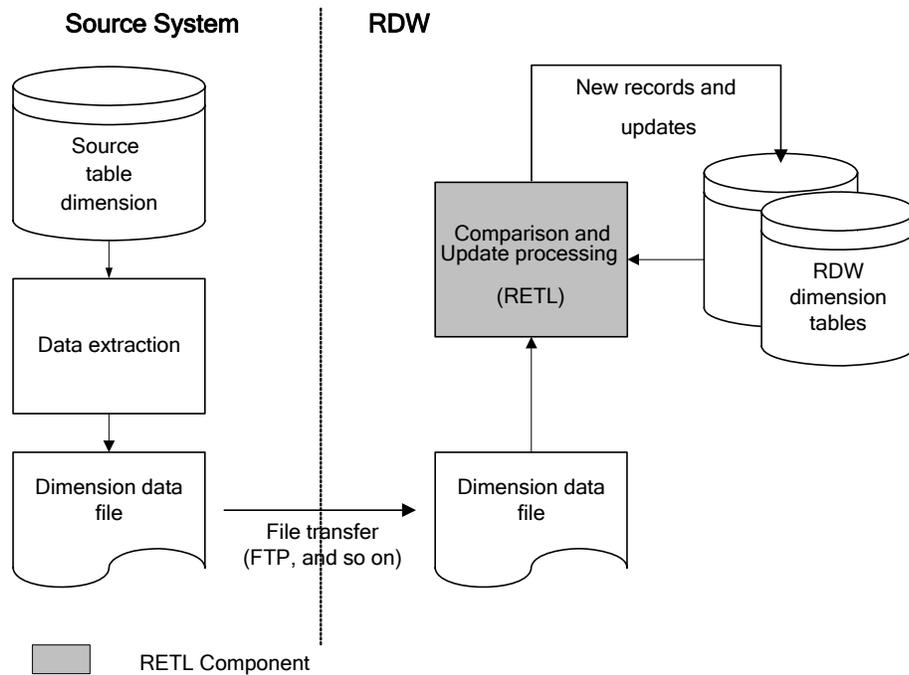
---

---

**Note:** Dimension data extraction programs are available for retailers with Oracle Retail source applications (that is, RMS and RPM). These programs are packaged with the applications.

---

---



**Dimension Processing in RDW**

**Dimensions**

RDW consists of the dimensions in the following list.

- Company
- Competitor
- Currency Code
- Customer Account
- Customer and Customer Demographic
- Customer and Product Clustering
- Customer Geographic
- Customer Order (call center, carrier, carrier service, customer ship to)
- Employee
- Item-Location Trait Cross-dimension
- Item-Supplier-Location Cross-dimension
- Market Data
- Media
- **Organization**
- Plan Season
- **Product**
- Product Season
- Promotion
- Reason
- Regionality
- Register
- Total Type

- Retail Type
- Sub-transaction Type
- Supplier
- Tender Type
- Time (time calendar, time of day, time like for like)
- Voucher Age Band

---

**Note:** Product and Organization dimensions can be subject to (what is called in RDW) a ‘major change’. A further discussion of this concept follows.

---

## Major Changes and Lower-Level Dimensions

A major change occurs whenever an entity changes its place in the product hierarchy (group, department, and item can be reclassified) or in the organization hierarchy (area, region, district, and location can be reclassified). This type of reclassification alters the relationship among entities in a hierarchy. Of the dimensions, only product and organization can undergo a major change, and they are known as lower-level dimensions. Another way to think of these is as ‘dimensions with major changeable lower levels’. Because product and organization are aggregating dimensions, a major change results in an altered data aggregation within their hierarchy.

The history of an entity before and after the major change can be tracked and compared. That is, suppose an item is moved from one subclass to another within its product hierarchy of department and class. While there are many good reasons for a retailer to move, or reclassify, an item in this way—perhaps there is a need to track that item in relation to different items in the system—RDW still needs to track sales for that item from its new location in the product hierarchy...both before and after the change. (See the sections, “Pushdowns” and “As-was vs. as-is,” later in this chapter.) Looking at the diagram, “Dimension Processing in RDW” (located at the beginning of this chapter), you can see the box labeled “Compare and Update Processing.” Major change processing occurs at this point. RDW handles major changes by assigning the reclassified item, to use the same example, a new surrogate key. The surrogate key, along with the dimension’s identifier, lets RDW track the dimension and all transactions related to it at any point in time.

## Minor Changes and Top-Level Dimensions

A minor change means that an attribute of an entity is changed, but its position in the hierarchy remains the same.

The dimensions that can *only* undergo minor changes are known as top-level dimensions and consist of every dimension except organization and product. The levels of the top-level dimensions cannot be reclassified; they are static. Note that product and organization dimensions *can undergo* minor changes, but minor changes are not significant enough to alter their hierarchies.

One example of a minor change is the modification of a description field in a dimension. That is, a description of a subclass is changed from “Humorous Cards” to “Funny Cards”. This type of change does not alter the relationship of subclass to any other level of the hierarchy above or below it. The record is simply updated to reflect the description change; a new surrogate key does not need to be inserted. Minor change dimension processing in RDW is less complex than major change processing.

## Actions During Processing

During the actual processing of data, there are four kinds of actions that can happen to a dimensional entity in the RDW:

- **Insert:** When an entity is created, it is inserted into the system.
- **Major Change:** When a major change occurs, an entity is effectively closed and re-inserted, so that its history before and after the change can be tracked and compared. (See the passages, “Pushdowns” and “As-was vs. as-is,” later in this chapter.)
- **Minor Change:** When an entity undergoes a minor change, the attribute of the entity is changed, but its position in the hierarchy remains the same.
- **Close:** When an entity is no longer active, it is considered to be closed. Although closing an entity in a transactional system often involves deleting it from the system entirely, in an analytical system like RDW, the entity’s record is retained so that its history can continue to be reported. One exception in RDW is dimensional matrices, where only the current relationship between two source system identifiers (and their surrogate keys) is kept (that is, `item_key` and `itemlst_key` on the `PROD_ITEMLST_MTX_DM` table). Note the two following exceptions to this rule:

Pack\_item relationships on `PROD_PACK_ITEM_MTX_DM`, where deleted pack\_item relationships, closed items, and reclassified items are all kept on the table.

Comparable (comp) store relationships on the table, `ORG_LOC_WK_MTX_DM`, where both closed and reclassified locations are maintained.

### Maintenance Columns in the DM Table

- `dm_recd_last_updt_dt`: The last date on which this record was either inserted, updated, or closed.
- `dm_recd_load_dt`: The date on which this record was loaded/created.
- `dm_recd_close_dt`: The last date on which this record could be considered active. Closes occur either because of a record being deleted in the source system, or because a record had a major change applied to it. If the record is an active dimensional record, it will have a default value of ‘4444-04-04’ as a `dm_recd_close_dt`.
- `dm_recd_curr_flag`: Indicates whether a record can be considered active. Valid values are ‘Y’es and ‘N’o.

## Keys and Identifiers

Most dimensional entities in the RDW have both keys (typically referred to as ‘surrogate keys’ or ‘pseudokeys’) and identifiers (typically abbreviated ‘idnt’). The term ‘identifier’ in the RDW refers to the identifier given to the entity when it was created in the source system. However, in the RDW, this identifier cannot always be used to uniquely identify an entity. An entity may undergo a major change, where it is closed and reloaded in order to mark the change in hierarchy, so that history can be tracked before and after the change. It may also be deleted in the source system, and its identifier reused later. Both of these situations result in multiple records in the RDW tables for the same entity. In order to distinguish between different states of the same entity, or different entities with the same identifier, the RDW must use some other value to uniquely mark it. A surrogate key is a unique value used to identify an entity in the RDW. A new key is attached to an entity whenever it is inserted into a datamart dimension table.

## Next\_key\_val

Each datamart dimension table which needs a surrogate key has a record on the table MAINT\_DIM\_KEY\_DM. This record holds the next valid surrogate key for the dimension. The dimension's load program queries this record at the beginning of its run, and, at the end of its run, updates the record with the next valid key for the next run. Note that there are some cases in which the identifiers in the source system are unique, and they will not change over time. If there is no need in RDW to keep track of the changes, RDW does not always create surrogate keys in the applicable dimension tables (ORG\_LOC\_TRAIT\_DM, that is).

## As-was vs. As-is

One of the primary types of analysis in the RDW is drilling, that is, seeing a particular report at a given level, and then being able to see the same report at a lower level to examine data at a finer level of granularity. This type of analysis makes well-defined hierarchies extremely important in the RDW. Drill paths must be clear, and facts must add up between levels of aggregation. This requirement explains why changes in an entity's place in the hierarchy are considered major.

One of the effects of a major change is that the presence of two surrogate keys makes it possible to compare an entity's performance before and after it undergoes a major change. Fact aggregate tables are also left in a state where the data ties out, because all history was summed up under the entity's old key, while all future data will be summed up under its new key. This is referred to as *as-was reporting*, because history is seen as part of the hierarchy it was in. In order to achieve *as-is reporting*, in which history is shown as if it had occurred under the new hierarchy, fact aggregate tables would either have to be eliminated (resulting in poor report performance) or would have to be rebuilt to account for the hierarchical changes. *RDW only supports as-was reporting.*

## Pushdowns

In order to optimize performance, each datamart dimension table holds the keys and identifiers of its parent in the hierarchy, its parent's parent, and so on. Because of this structure, when an entity at a higher level undergoes a major change, all of its descendents (held within the lower levels of the hierarchy) must undergo the major change with it. The same rule applies for closes. Each lower-level dimension program joins with that dimension's immediate parent table to get parent keys for incoming data to compare with the keys in the dimension table to decide if there is a major change. For instance, if a group changes to another division, the group key is changed. The incoming department data joins with the group dimension table to get the group key for that department and group combination. If the department's group key is different than the group key in the department dimension table, a major change is recognized. The pushdown effect is seen after each lower-level dimension program runs individually.

## An Overview of RDW Dimension Processing Flows

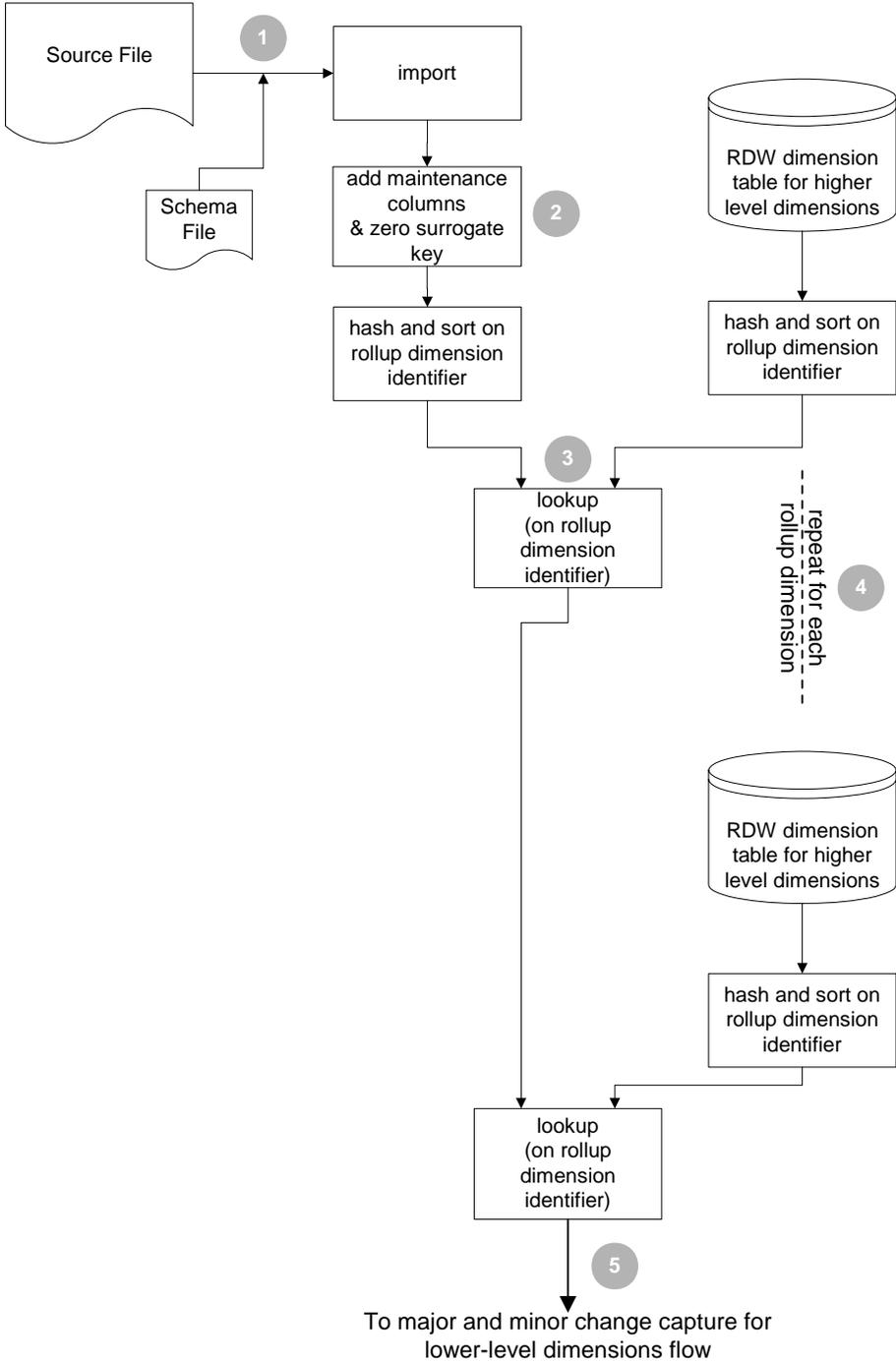
The remainder of this chapter illustrates the flow of dimension data from source tables to RDW datamart tables. The processing described begins with a dimension text file provided from the source system. That file is read by dimension and maintenance RDW libraries, which load the data to the dimensional datamart table. Each dimension processing program will have a record (or entry) on the maintenance table PROGRAM\_CONTROL\_DM, with values populated in the operation\_type and program\_type columns. See the chapter, “Program Reference Lists,” for more details.

## Data Preparation for Lower-Level Dimensions

The flow diagram in this section, “Data Preparation for Lower-Level Dimensions Flow,” is used to produce the source data that is used in step one (1) of the flow that follows, “Major and minor change capture for lower-level dimensions flow.” In other words, this flow is not a separate process, but is the predecessor of the flow that immediately follows. Together, the two flows represent a single process that updates a lower-level dimension.

This flow only applies to dimensions that have a parent dimension table above them. That is, they are not the highest-level dimensions in the hierarchy. The source data stream in the change compare dataset must match the RDW table structure, and it must have all the higher-level keys to be able to detect major changes and to have the necessary fields to produce insert records. Because the dimension data in the source system, RMS that is, is typically normalized, it contains only the idnt of the immediate rollup dimensions, not of any higher-level dimensions. To get all the idnts and keys of all higher-level dimensions (denormalized for performance in RDW), the incoming data is joined with all the immediate rollup dimension tables from RDW. To ensure that the most recent information is being used (and thus to account for major changes in higher level dimensions), the order in which the dimension updating process is applied is to start with the highest-level dimensions and to work down the hierarchy until the base level dimension is processed. Thus, the higher-level RDW tables that are used in the joins will have already been refreshed with the incoming data for those dimensions.

The diagram below shows this flow. Explanations of each numbered item on the diagram follow it.



**Data Preparation for Lower-Level Dimensions Flow**

## Data Preparation for Lower-Level Dimensions Flow Description

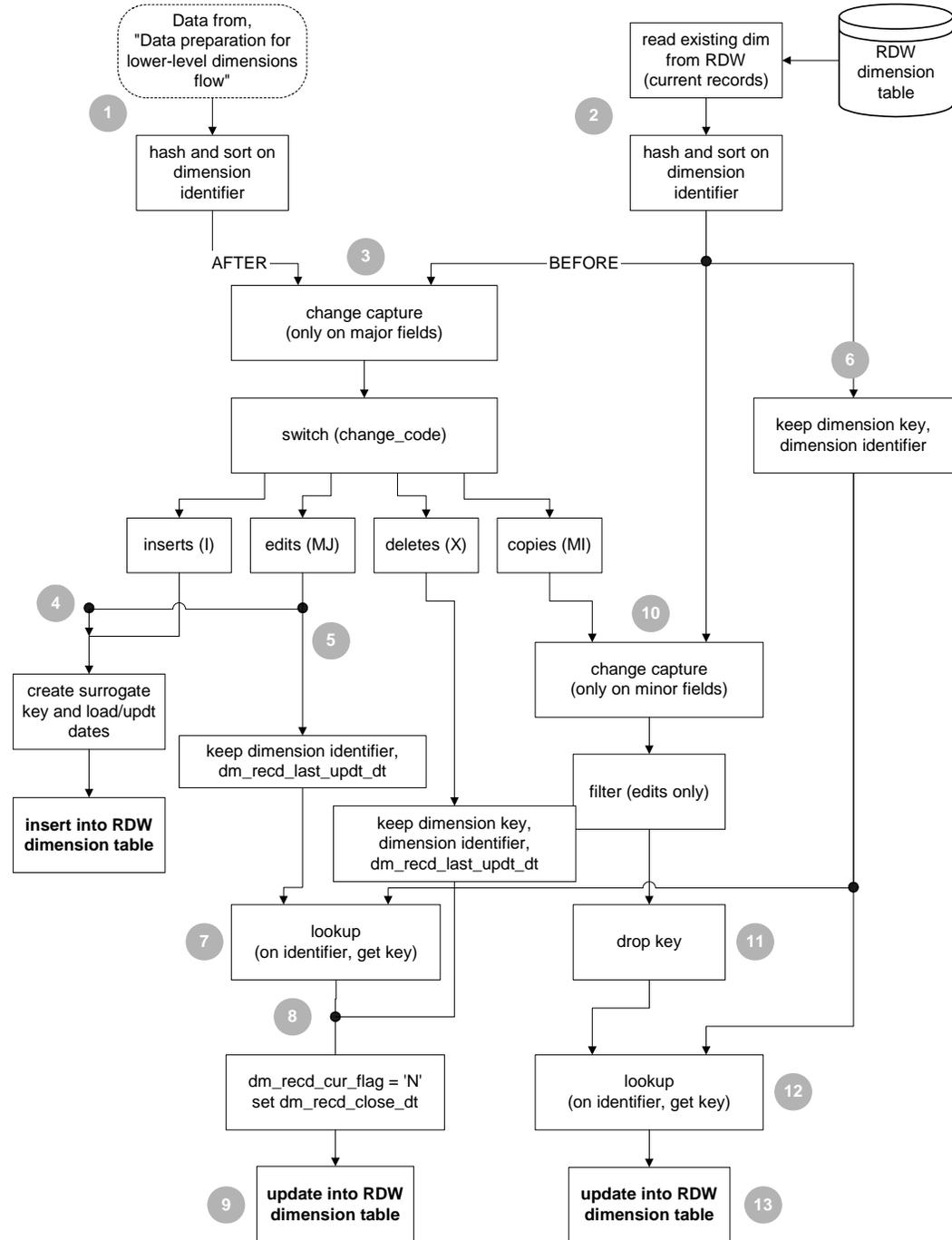
1. The current dimension data file is transferred to RDW and loaded into an RETL dataset using an IMPORT operator and predefined schema file.
2. The GENERATOR operator adds the following maintenance columns to the dataset (see the section, "Maintenance Columns in the DM Table," earlier in this chapter):
  - dm\_recd\_load\_dt
  - dm\_recd\_last\_updt\_dt
  - dm\_recd\_close\_dt
  - dm\_recd\_curr\_flag

Note that although the columns are added to the dataset, the processing that occurs within the "Major And Minor Change Capture For Lower-Level Dimensions Flow" described later in this chapter determines which columns are actually kept. In addition, a blank or default surrogate key is added, to enable the schema to match the target table in RDW.

3. The dataset is joined with one of the immediate rollup tables from RDW. That is, the LOC dimension dataset is joined with the ORG\_DISTT\_DM table to get the surrogate keys for district and all the dimensions above district, because these keys are redundantly stored in RDW.
4. This join with the dimension table above is repeated for every immediate rollup of a dimension. Thus, in the example above, region is not used for one of these joins, because it is not an immediate rollup of location, but is a rollup of district. However, when processing the item dimension, subclass would be joined to incoming item data, because it is an immediate rollup of item.
5. The final data is then the input for the next dataflow diagram, "Major and Minor Change Capture for Lower-Level Dimensions Data Flow."

## Major and Minor Change Capture for Lower-Level Dimensions Flow

The diagram in this section describes the general RDW major and minor change capture for lower-level dimensions flow. Explanations of each numbered item on the diagram follow it.



Major and Minor Change Capture for Lower-Level Dimensions Flow

## Major and Minor Change Capture for Lower-Level Dimensions Flow Description

Note that the following numbers correspond to the numbers shown in the flow diagram above:

1. Data from the source system is already transformed to match the existing dimension table from RDW in all respects except that the surrogate key for the current dimension is not available (set to zero). Although the `dm_recd_load_dt` and other dimension maintenance columns are in the schema, whether each one is kept depends upon the type of processing to occur (that is, insert, edit, delete, and so on).
2. The data is read from the RDW table that stores the current dimension's information, filtered to contain only the current records (rows where `dm_recd_curr_flag="Y"`).
3. The CHANGECAPTURE operator compares the two incoming datasets and adds a 'change\_code' field to the output, which indicates one of the following:
  - inserts (a record exists in the AFTER dataset, but not in the BEFORE)
  - deletes (the record does not exist in the AFTER dataset, but does exist in the BEFORE)
  - edits (a record exists in both datasets but with different values)
  - copies (a record exists in both datasets, and all the minor changeable fields are the same)

This CHANGECAPTURE operator looks only at fields that would cause a 'major' change, and ignores all other fields for the sake of comparison. The delete stream passes the records from the BEFORE dataset, whereas all other streams pass the AFTER dataset unchanged.

4. Inserts and edits have a new surrogate key generated for them, have the load and update dates set to the current date, and are inserted into the RDW dimension table. Because the incoming dataset from step one (1) has all the information necessary to fill in the RDW dimension table, these records can be directly inserted with no further joins. Edits result in an insertion and an update because the CHANGECAPTURE operator is detecting major changes, which result in the creation of a new RDW record, and the closing out of the old record.
5. Because major changes require closing out the old record, the edit stream also goes to a part of the flow that closes out old records. Closing out a record involves changing the value of the `dm_recd_curr_flag`, `dm_recd_close_dt`, and `dm_recd_last_updt_dt` fields, but no other fields. Because the CHANGECAPTURE operator passes all the fields from the AFTER dataset, all fields are removed except the `idnt` field, which is used to get the old surrogate keys. Thus, the resulting schema of the stream that is used to update RDW only contains fields that are to be updated, and the key. ('`Idnt`' is also there but is guaranteed to be the same because the compare is for the same `idnts`).
6. The RDW dataset is stripped to only the dimension `idnts` and keys, which are used as a lookup table to reattach the surrogate keys to datasets downstream. This step is intended to avoid field name conflicts and to stop downstream datasets from getting old values when undesired.
7. This lookup gets the old surrogate key for the current dimension for all updated/inserted records.
8. Because the remaining steps are to set the `dm_recd_curr_flag` to "N" and update `dm_recd_last_updt_dt` and `dm_recd_close_dt`, deletes and edits, at this point, can be considered together. The same set of fields—only the fields that are necessary to update the records—has been preserved for the delete stream.

9. The data is updated in RDW. Because RETL cannot update directly, this step involves a separate process. (See the section, "Process to Update Records in RDW.")
10. Records deemed as copies imply that no major change has occurred. However, it is possible for a minor change to have occurred. To prevent updating records where no change at all has occurred, this step compares the records again with the current RDW dataset, but this time, the comparison is executed on all minor fields. Only the records considered edits (that is, minor changes) are further processed.
11. The surrogate key field is dropped, to allow the actual surrogate key to be re-fetched in the next step (because the major CHANGECAPTURE operator will have lost the surrogate keys).
12. The original surrogate key is re-fetched using a join on the idnt field.
13. This stream of data is updated into the RDW tables using the standard process for updating records. (See the section, "Process to Update Records in RDW.") Note that this stream contains many more fields than in step (9), because we effect minor changes. This logic implies that these streams cannot be combined.

## Processing for the Regular Top-Level Dimensions

The flow diagram in this section, "Regular Top-Level Dimension Processing Data Flow," describes the processing of the highest levels in each dimension hierarchy. That is, this section addresses standalone non-hierarchical dimensions, such as currency, along with the highest level of a dimension hierarchy, such as a promotion event. None of the lookups described in the lower-level dimension processing section are required; thus, they do not appear in this flow.

---

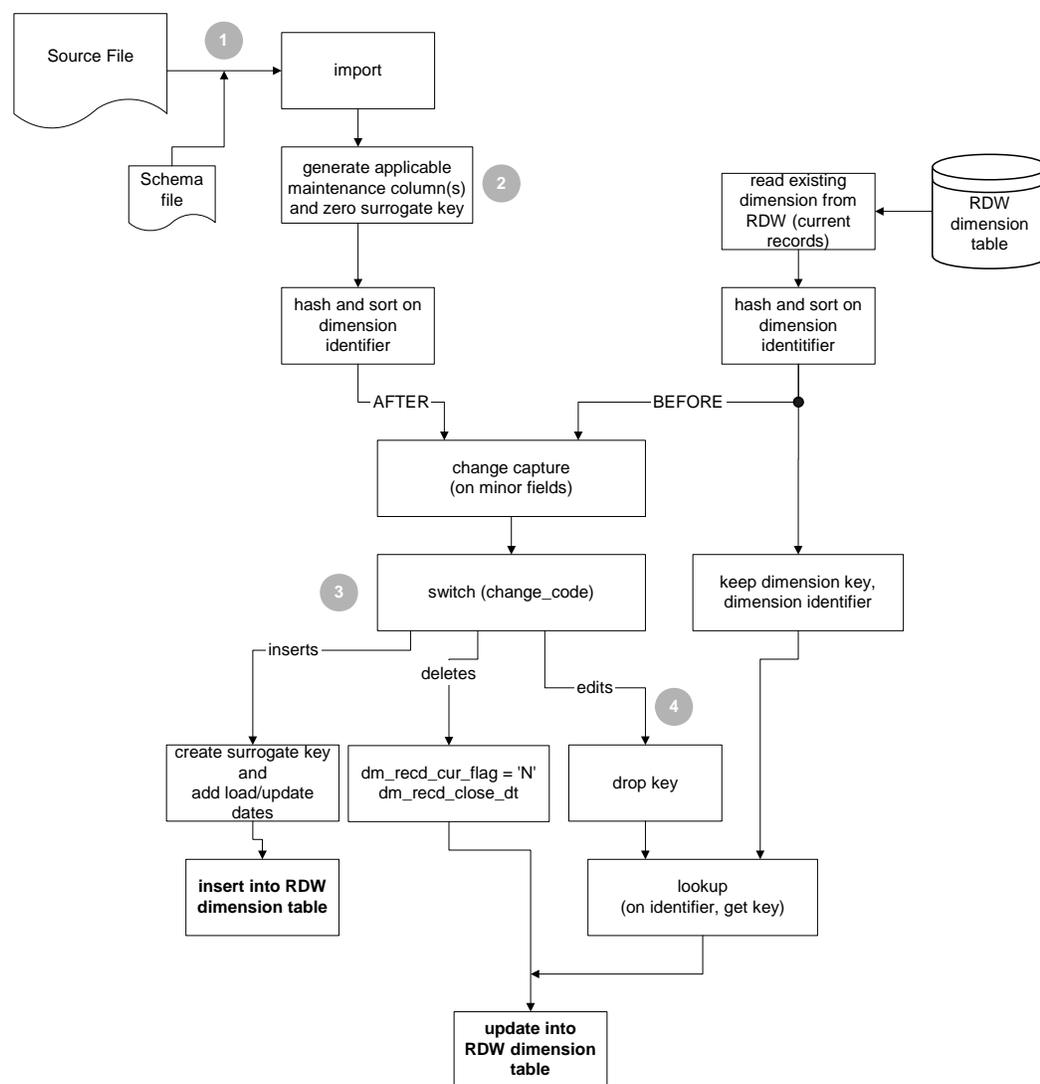
---

**Note:** This process flow assumes that the data file from the source system contains the snapshot data of the whole dimension. However, in some exceptional cases (such as the Customer dimension), the source system provides only new or changed data in the dimension data file. In these cases, RDW requires the source system to mark each record in the data file as an insert/update/delete record and has a separate flow to process them accordingly. See the section, "Processing for Special Top-Level Dimensions," later in this chapter.

---

---

This regular top-level dimension process has a very simple flow that imports dimension snapshot data from the file, compares it to the target data on minor changeable fields, and uses only the insert and minor change portions of the core change compare flow. The diagram on the next page shows this flow. Explanations of each numbered item on the diagram appear following the diagram.



**Regular Top-Level Dimension Processing Data Flow**

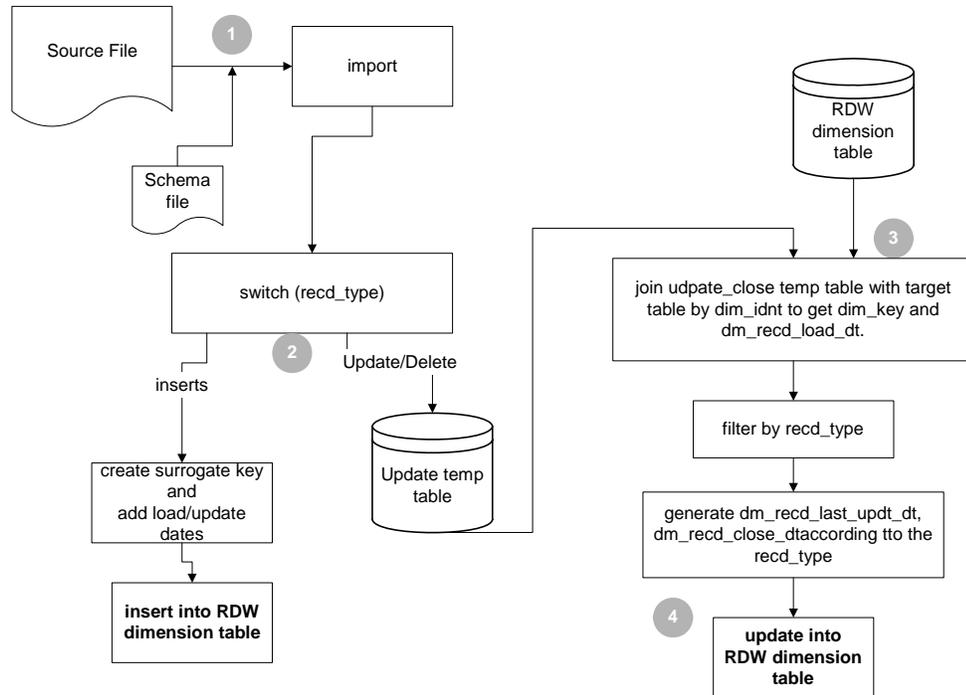
### Regular Top-Level Dimension Processing Data Flow Description

1. The current dimension data is transferred to RDW and loaded into an RETL dataset using an IMPORT operator and predefined schema file.
2. The GENERATOR operator adds the following maintenance columns to the dataset (see the section, “Maintenance Columns in the DM Table,” earlier in this chapter):
  - dm\_recd\_load\_dt
  - dm\_recd\_last\_updt\_dt
  - dm\_recd\_close\_dt
  - dm\_recd\_curr\_flag
 In addition, a blank or default surrogate key is added, to enable the schema to match the target table in RDW.
3. The CHANGECAPTURE operator in this case only compares against minor fields, because there are no major fields. Copies are discarded immediately.

- Because changes can only be minor, there is no need to close out records. The lookup to reattach the old surrogate keys is still needed, but these records are then updated directly.

## Processing for Special Top-Level Dimensions

The flow diagram in this section, “Special Top-Level Dimension Processing Data Flow,” describes the processing of exceptional cases where the source system provides only new or changed data in the dimension data file. Explanations of each numbered item on the diagram appear following the diagram.



**Special Top-Level Dimension Processing Data Flow**

### Special Top-Level Dimension Processing Data Flow Description

- The current dimension data file contains only new or changed data. Each record has a recd\_type of insert/update/delete. This file is transferred to RDW and loaded into an RETL dataset using an IMPORT operator and a predefined schema file.
- The new records are attached to surrogate keys and inserted into the target table. The updated or deleted records are written into a temporary table.
- A query joins the temp table and the target table to select out the needed columns from database, and the data is divided by recd\_type for updated and closed records.
- The applicable maintenance columns are attached to these different records. The result is used to update the target table.

## Datamart Table

The datamart (DM) table is the final repository in the data warehouse for dimensional entities. DM tables are visible from the front end. These tables are also used by fact loading programs to perform the following:

- Map identifiers to keys, which are then inserted into fact datamart tables.
- Determine hierarchical relationships for aggregation.

Note that these tables cannot be purged, unless the client wishes to manually roll-off or delete closed dimensional rows (for an item which no longer needs to be queried, for instance). Oracle Retail does *not* recommend that clients attempt such dimension data purging, and Oracle Retail provides no dimension purging code.

The table and the accompanying descriptions of the maintenance columns shown below illustrate how a record that reflects a change type is reflected in a DM table.

### Dimension Datamart (DM) Table

	<b>dm_recd_last_updt_dt</b>	<b>dm_recd_load_dt</b>	<b>dm_recd_close_dt</b>	<b>dm_recd_curr_flag</b>
Inserted	Current processing date	Current processing date	4444-04-04	Y
Minor Changed	Current processing date	Original load date	4444-04-04	Y
Closed	Current processing date	Original load date	Current processing date	N
Major Changed Closed	Current processing date	Original load date	Current processing date	N
Major Changed Inserted	Current processing date	Current processing date+1	4444-04-04	Y

---

---

## Fact Data Concepts

This chapter describes the following fact data concepts in RDW:

- An overview of RDW fact processing
- Fact functional areas
- Types of fact tables
- Fact temp table usage
- General fact processing
- Detailed fact load processing
- Fact aggregation processing
- Fact matrix table processing

### An Overview of RDW Fact Processing

The following description and “Overview of Fact, Extraction, Load, and Aggregation” diagram offer an overview of the RDW fact process.

For retailers with Oracle Retail source applications (RMS, ReIM, and MFP), extraction programs can be used to extract fact data from these applications. Only changed and/or new facts should (and will be) extracted. Retailers without Oracle Retail source applications should provide the data files from their source system in the format recognized by RDW (see “Appendix A –Application Programming Interface (API) Flat File Specifications”).

The data file is transferred to the RDW server using a common data transfer process such as FTP. In RDW, the data is pulled from the data file, and identifiers are mapped to the appropriate surrogate keys. (See the chapter, “Dimension Data Concepts,” for a discussion of surrogate keys.)

RDW base fact processing programs, which are Korn shell scripts containing RETL operators and RDW library calls, transform and load data to base fact datamart tables. The next step is the aggregation process, where the data is read from one base fact datamart table, aggregated, and then loaded into one fact aggregate datamart table.

As with dimension processing, see the chapter, “Program Reference Lists,” for program-specific information, such as PROGRAM\_CONTROL\_DM values, command-line parameters, and so on.

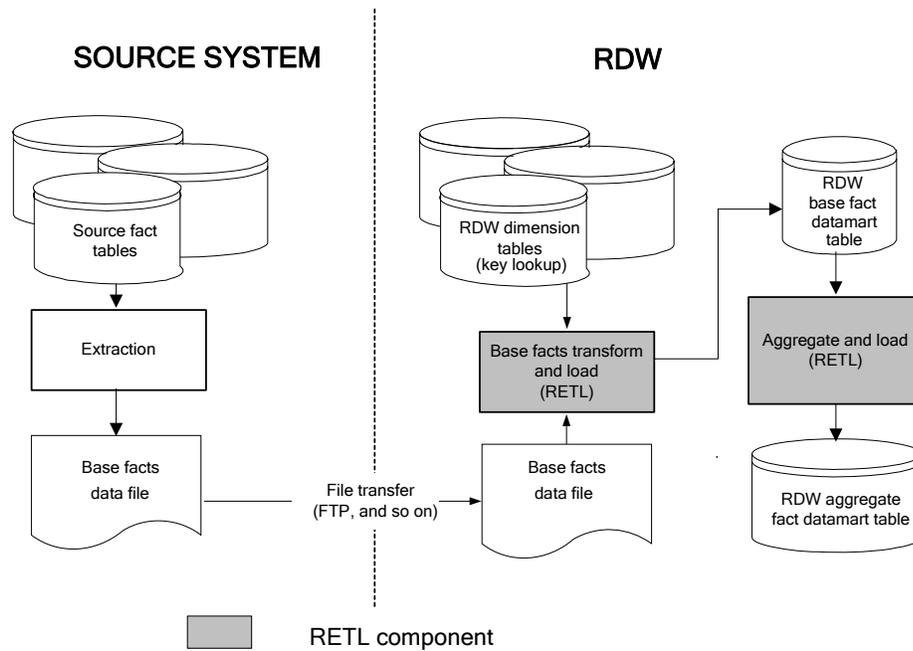
---

---

**Note:** Data extraction programs are available for retailers with Oracle Retail source applications (that is, RMS, ReIM, and MFP). These programs are packaged with the applications.

---

---



**Overview of Fact Extraction, Load, and Aggregation**

## Fact Functional Areas

Fact data represent transaction values extracted from a source system such as Oracle Retail Merchandising System. The RDW fact functional areas are as follows:

- Competitor Pricing
- Cost
- Customer Order
- Exchange Rates
- Inventory Adjustments
- Inventory Position
- Inventory Receipts
- Inventory Return to Vendor
- Inventory Transfers
- Loss Prevention
- Market Sales Data
- Net Cost and Profit on Base Cost
- Pack Sales
- Planning
- Pricing
- Sales Forecasts
- Sales Markdowns
- Sales Productivity
- Sales Transactions
- Space Allocation

- Stock Ledger
- Store Traffic
- Supplier Availability
- Supplier Compliance
- Supplier Contract
- Supplier Invoice Cost
- Transaction Tender
- Unavailable Inventory
- Vouchers
- Wholesale/Franchise Sales
- Wholesale/Franchise Sales Markdowns

## Fact Table Types: Base and Aggregate

RDW contains two types of tables: base and aggregate.

- A 'base' fact table holds fact data for a given functional area at the lowest level of granularity. The process of populating a base fact table begins with the extraction of the data from the source system. The extraction results in a text file that is sent to RDW. In RDW, a RETL transformation and load process accepts the fact data file and updates the base table. In order to use RETL to load data files, the RDW fact API defines a schema file to describe the target table columns and data types for each base fact datamart table. RETL references the schema for loading source data files. Data on the base fact table is then aggregated.
- A fact 'aggregate' table holds fact data rolled up from the base table to a higher level of a dimensional hierarchy. RDW uses Korn shell scripts and RETL operators in order to aggregate data.

Non-compressed fact data can be purged or rolled off whenever a client no longer wishes to query the data. Oracle Retail provides no purging routines because purging must be determined by client-specific business requirements. For more information see the section concerning compressed fact tables.

## Fact Temp Table Usage

As noted in earlier, temp tables are created and dropped by the code within the RDW batch programs in cases where records are being inserted/updated.

For base fact programs, the temp tables that are used for inserting/updating are created by the programs itself. These base fact temp tables contain the current day's data. Thus, for aggregate fact programs, these base fact temp tables can be used to add on to the existing aggregate data when fact data is rolled up to a higher level of a dimension hierarchy.

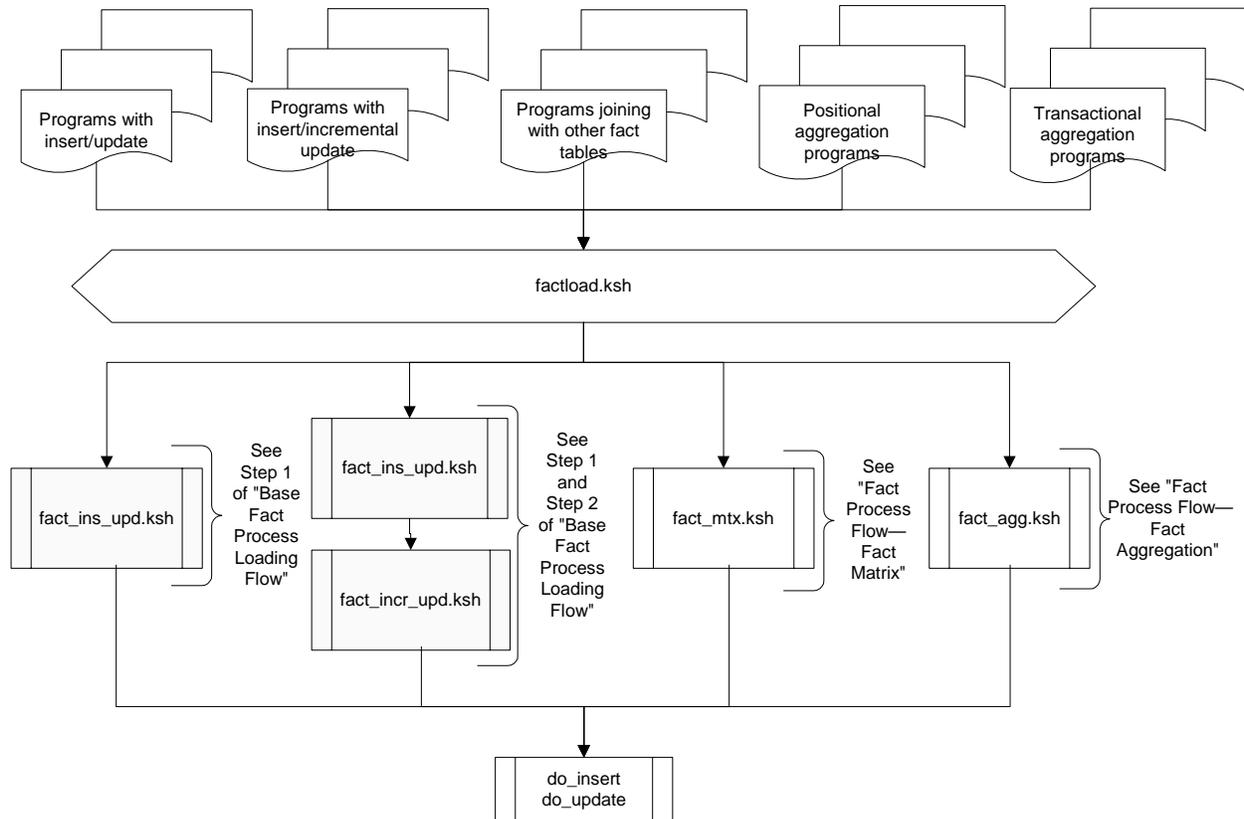
The last program to use a temp table within a datamart drops the temp table. There should be no remaining temp tables by the next business day's processing. Again, the RDW code handles the processing of temp tables, from their creation to their being dropped.

## General Fact Processing

The following diagram illustrates the fact process flow in RDW. The flow proceeds from the fact programs (that require the use of sub-libraries) to the factload.ksh. This library interprets the needs of the programs in order to direct them to call the correct sub-library

or sub-libraries. Factload.ksh thus plays the role of the 'library traffic cop.' Note that almost every fact program that uses sub-libraries must call factload.ksh so that it can be properly directed. Once the applicable sub-library has processed the program, the system can make the correct changes to the RDW fact tables. The very few standalone programs that do not use factload.ksh are not shown in the diagram.

The flow diagrams described later in this chapter illustrate specifically how and in what context data is processed within each applicable Korn shell sub-library. Thus, adjacent to each sub-library in the diagram below is a callout that refers to the specific process flow diagrams (and any applicable steps therein) that are described later in this chapter.



**Fact Process Flow—General**

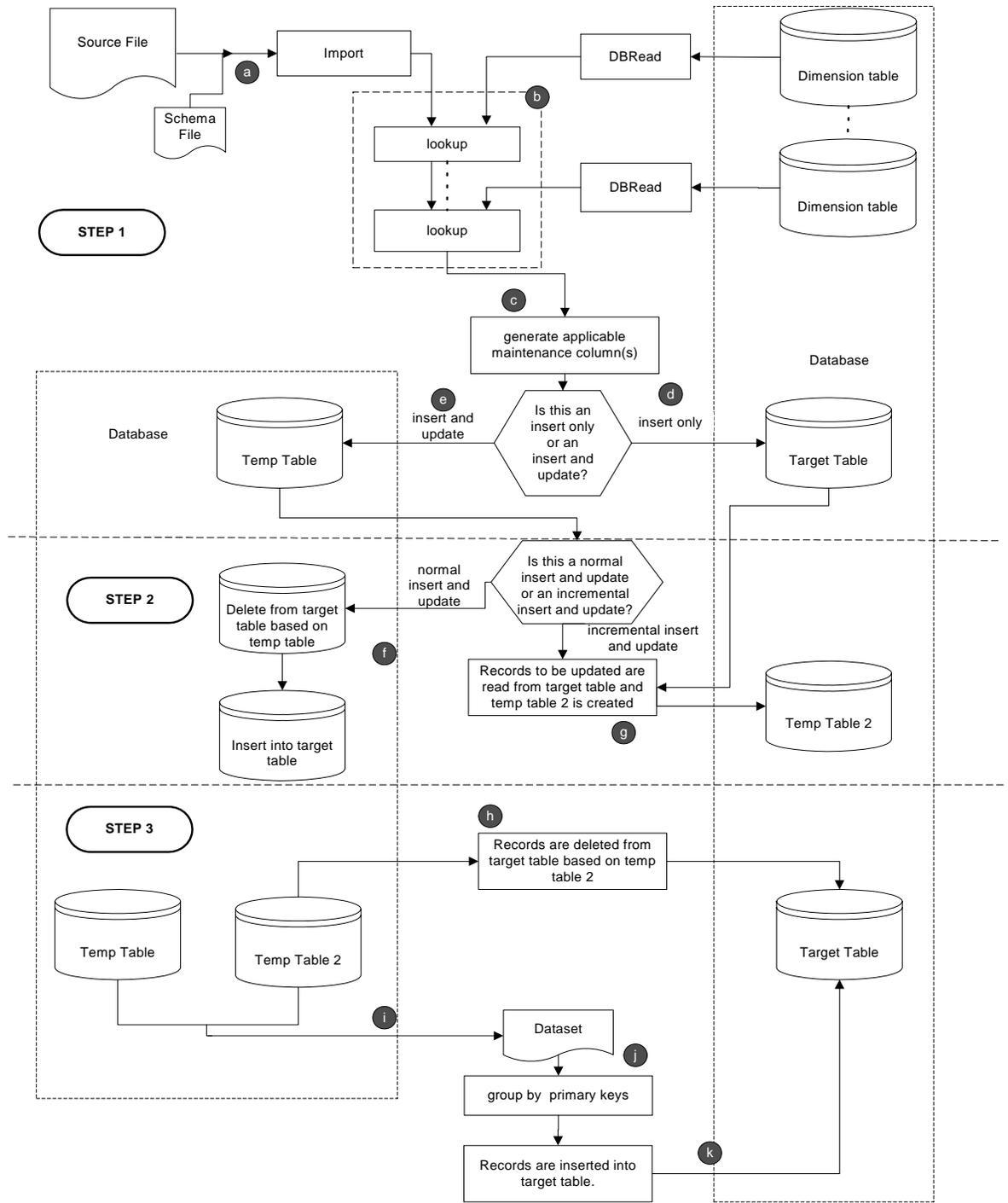
## Detailed Fact Load Description

This section describes the process of transforming and loading fact data. In order to use RETL to load data files, RDW uses a schema file to describe the source file fields and data types for each base fact datamart table.

The following diagram describes the general RETL fact process and represents most of the fact loading processes. However, note that the following issues are treated differently for each individual program:

- Some base facts use different dimension tables to do lookups.
- Some base fact loadings only have INSERTs with no UPDATES (that is, compressed datamarts).
- Some base facts (such as merchandise sales) have incremental updates where the new value is a summation of an old and a new value.

Explanations of the numbered steps and lettered items follow the diagram.



Base Fact Loading Process Flow

## Base Fact Loading Process Flow Description

### Step 1

- a. The fact data file extracted from the source system is loaded into a RETL dataset using the IMPORT operator, based on the schema file that defines all the data fields and data types in the data file that, in turn, are based on the target table.
- b. The DBREAD operator is used to read all joining dimension tables into RETL datasets as lookup tables for incoming data in order to get keys based on the identifiers. The number of dimension tables varies for each fact program. Program dimlkup.ksh generates the RETL code (including the DBREAD operator) that selects the data from the dimension tables and joins it with the incoming data. Should the need arise to customize this process, the client can change the variables within dimlkup.ksh.
- c. A maintenance column is generated that acts as a date marker (that is, a time stamp). Essentially, this maintenance column records that fact that these rows have been altered on this day.
- d. For insert-only fact programs (that is, exchange rate, cost, and so on), the resulting dataset can be appended into the target table directly. For these programs, this step is the end of the process.
- e. For fact programs with insert and update records (that is, space allocation, net cost, and so on), the dataset (containing the new records) is written into a temporary table (base temp table).

### Step 2

- f. For all base fact programs with normal insert and updates, this temporary table is used to determine which of the old update records in the target table should be deleted. The old records are deleted from the target table. The new records are inserted into the target table. For these programs, this step signifies the end of the process.
- g. For all base fact programs with incremental insert and updates, the records to be updated are read from the target table and a second temporary table (temporary table 2) is created.

### Step 3

- h. The temporary table 2 is used to determine which of the old update records in the target table should be deleted, and those records are deleted.
- i. The records in the temporary table and in temporary table 2 are combined to be written to the target table (that is, the records are inserted into the target table) using an insert-select query. For base fact programs with incremental inserts and updates, this step signifies the end of the process.
- j. The new dataset is grouped by the primary keys of the target table to sum up the required fact fields.
- k. The resulting dataset is written to the target table (that is, the records are inserted into the target table). For base fact programs with incremental insert and updates, this step signifies the end of the process.

## Fact Aggregation

After facts are loaded into the base datamart tables, the process of aggregation begins. Aggregation refers to the process of taking data at a particular level of granularity, that is the item level, and summing it up to a higher level, such as the subclass level, in order to improve query performance. In order for the front end to accurately drill between levels, the names of fact columns must remain the same between the base level and all aggregate levels.

There are two primary types of aggregation in RDW: positional fact aggregation and standard fact aggregation. Positional aggregation updates a value to the current amount at the current time. Standard aggregation sums up all values to the current time. A third aggregation type called a 'derived datamart' also exists that supports some complex metrics.

## Positional Fact Aggregation

Some fact tables in the RDW contain information about an entity's position or status at a given point in time. Such data does not sum up in the same way that transactional data does. See the section "Standard Fact Aggregation" later in this chapter. For instance, the pricing datamart contains unit retail values for a given item at a given location. Even though new records are written to the table only when a price changes, a user must be able to query for any day and have the system return the correct value. However, storing positions for every item at every location for every day quickly becomes prohibitive from a data storage and load performance standpoint. In order to strike a balance between storage and performance, RDW makes use of a technique called compression to store and report on positional facts. See the chapter, "Compression and Partitioning," for more information about how compression works and where RDW uses it.

RDW contains four positional fact aggregation programs. They are listed in the table below.

---

### Positional Fact Aggregation Programs

---

Invilwdm	Compressed source and target table
Invblddm	Non-compressed source (cur table) and target table
Invblwdm	Non-compressed source and target table
Sfcbldm	Non-compressed source and target table

---

### Positional Fact Aggregation Over Time

Because data on positional fact tables reports on the state of an entity at a certain point in time, rather than the total activity of an entity, these facts cannot be simply summed over time. For instance, the question: "What was my total unit retail for this week?" is nonsensical. For this reason, aggregations of positional facts along the axis of time take end-of-period snapshots that answer the question: "What was my unit retail at the end of this week?"

With all aggregations along the time axis, aggregation programs run daily. For aggregations of positional facts within a period, this results in a period-to-date position, rather than an end-of-period position. Once the period is complete, the last run of that period results in the desired end-of-period position.

### **Decompressed Aggregates**

The compression of positional facts is complex. In order to simplify maintenance and to maximize performance, it is sometimes better to leave base-level facts in their raw compressed state, and to store higher-level aggregates (with less fine levels of granularity) in a decompressed state, in which positions for all entities are written everyday. Building these decompressed aggregates can be a significant task in itself because it involves finding the current positions for every entity at the lower level for the current point in time—even for those entities that may have last had a record some time ago. Fortunately, this task can be simplified by the use of a current position table (such as INV\_IL\_CUR\_DM). A current position table is used, that is, when facts are aggregated from item-location-day to subclass-item-location-day. Less frequently, loads may also make use of a temporary table, which only contains today's changes, to facilitate bulk processing of the data. That is, when facts are aggregated from item-location-day to item-location-week, the aggregation does not include the entire week's data, only today's changes.

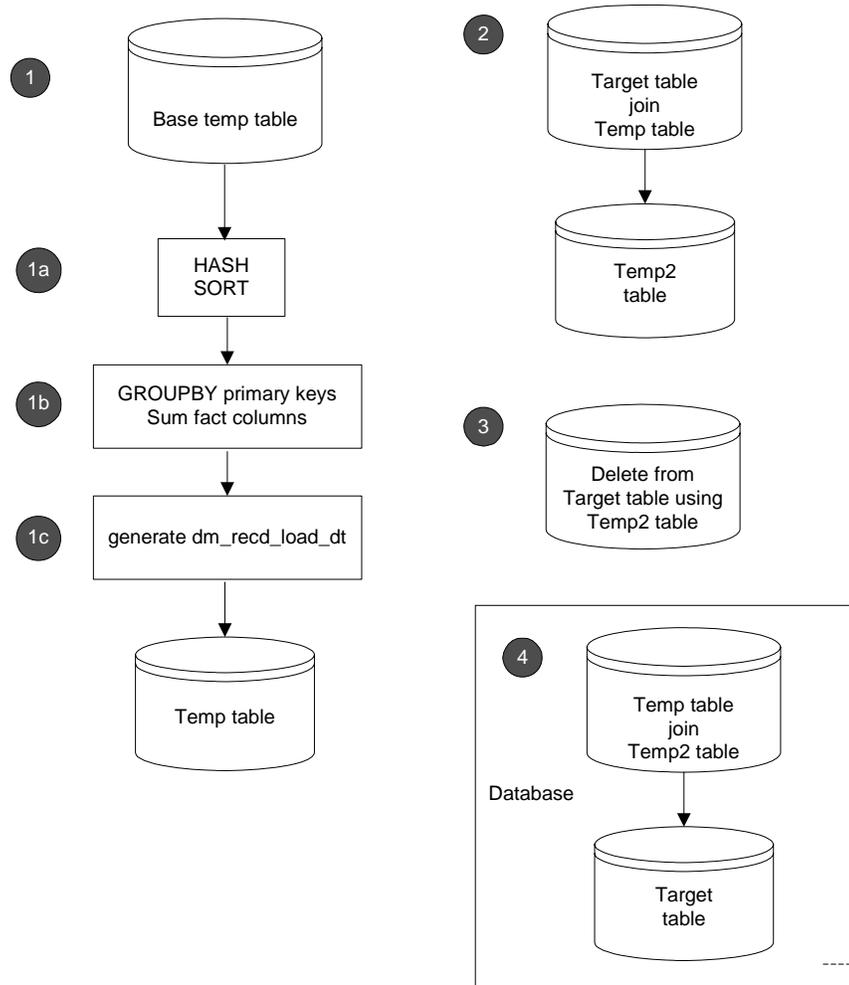
### **Standard Fact Aggregation**

Most fact tables in RDW contain information about some sort of activity, or transaction, that has occurred. For instance, the merchandise sales tables contain total sales values for a given item at a given location on a given day. This is the simplest type of fact data in RDW. All the data is there and can be summed up along any dimensional axis for reporting purposes.

### **Fact Aggregation from a Base Fact Table Flow Diagram**

Aggregation can be based on a base fact table. In such cases, because a base fact temp table contains the current day's data, its data can be used to add on to the existing aggregate data without summing up everything from base fact table.

The following diagram shows the process of standard fact aggregation process from a base fact table. Explanations of the numbered items follow the diagram.



**Fact Aggregation from a Base Fact Table Data Flow**

**Fact Aggregation from a Base Fact Table Flow Description**

The base temp table is the collection of changed and new data that needs to be re-aggregated.

For example:

<b>Base Temp Table (today)</b>				
<b>Day</b>	<b>Location</b>	<b>Item</b>	<b>Week</b>	<b>Amount</b>
4	A	B	1	5
4	A	D	1	70
4	A	F	1	30
4	A	F	1	20

1a. The base temp table is read into a RETL dataset and hashed and sorted (by the HASH and SORT operators) in the order of its primary key.

- 1b. Aggregation takes place on the primary key because of the work of the GROUPBY operator, which facilitates the summation of the fact columns. The aggregation produces:

---

**Aggregation Temp Table**


---

Day	Location	Item	Week	Amount
4	A	B	1	5
4	A	D	1	70
4	A	F	1	50

---

- 1c. A maintenance column is generated that acts as a date marker (that is, a time stamp). Essentially, this maintenance column records the fact that these rows have been altered on this day.
2. The target table is joined with the aggregation temp table to create temp2 table in order to select the rows from the target aggregate table that need to be re-aggregated because data has been changed on and/or inserted to the base temp table today.

For example:

---

**Target Aggregate Table**


---

Location	Item	Week	Amount
A	B	1	20
A	C	1	30

---

is joined with:

---

**Aggregation Temp Table**


---

Day	Location	Item	Week	Amount
4	A	B	1	5
4	A	D	1	70
4	A	F	1	50

---

to produce temp2 table:

---

**Rows that Need to be Re-aggregated**


---

Location	Item	Week	Amount
A	B	1	20

---

3. The temporary table 2 is used to determine which of the old update records in the target table should be deleted, and those records are deleted.

That is, the aggregation table now holds:

---

**Target Aggregate Table**


---

Location	Item	Week	Amount
A	C	1	30

---

- The records in the temporary table and in temporary table 2 are combined in an insert-select query by grouping by the primary keys of the target table to sum up the required fact fields and insert into the target table.

For example:

---

**Data inserted into Aggregation Table**

---

<b>Location</b>	<b>Item</b>	<b>Week</b>	<b>Amount</b>
A	B	1	25
A	D	1	70
A	F	1	50

---

---

**Data in Aggregation Table**

---

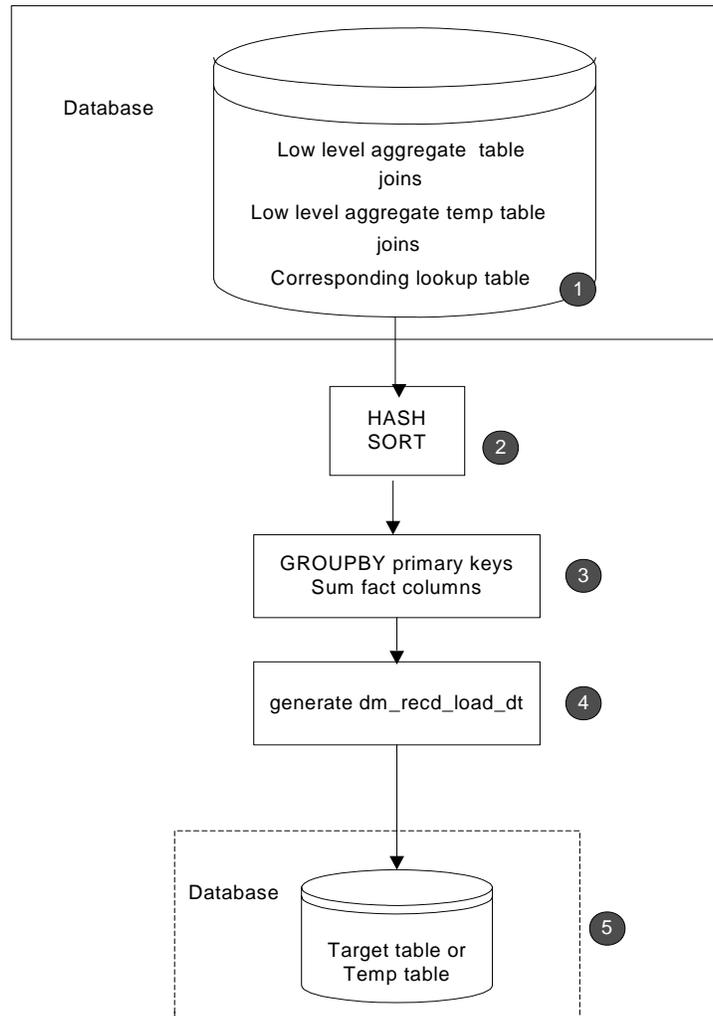
<b>Location</b>	<b>Item</b>	<b>Week</b>	<b>Amount</b>
A	B	1	25
A	D	1	70
A	F	1	50
A	C	1	30

---

## Fact Aggregation from Another Aggregate Fact Table Diagram

An aggregate fact temp table contains not only current day's data, but also re-aggregated old data. Thus, if the aggregation is based upon another aggregate fact table, the aggregate fact temp table can only be used to find out what data needs to be re-aggregated and to sum up that data.

The following diagram shows the process of standard fact aggregation from another aggregate fact table. Explanations of the numbered items follow the diagram.



### Fact Aggregation from another Aggregate Fact Table Diagram

## Fact Aggregation from another Aggregate Fact Table Description

1. Data has been changed on and/or inserted to the lower level aggregate temp table today. Thus, the low level aggregate table is joined with the lower level aggregate temp table and corresponding lookup table in order to select the rows from the lower level aggregate table that need to be re-aggregated to the higher level aggregate table.

For example:

**Lower Level Aggregate Table**

Location	Subclass	Day	Amount
A	B	1	20
A	C	1	30
A	C	2	10
A	C	3	25

is joined with:

**Lower Level Aggregate Temp Table (Today)**

Day	Location	Subclass	Week	Amount
1	A	C	1	5
4	A	D	1	70
4	A	F	1	30

to produce:

**Rows that Need to be Re-aggregated**

Location	Subclass	Week	Amount
A	C	1	5
A	C	2	10
A	C	3	25
A	D	1	70
A	F	1	30

- Each RETL dataset is hashed and sorted (by the HASH and SORT operators) in the order of its primary key so that the GROUPBY operator can be utilized.
- Aggregation takes place on the primary key because of the work of the GROUPBY operator, which facilitates the summation of the fact columns.

For example:

**RETL Dataset after Aggregation**

Location	Subclass	Week	Amount
A	C	1	40
A	D	1	70
A	F	1	30

- A maintenance column is generated that acts as a date marker (that is, a time stamp). Essentially, this maintenance column records the fact that these rows have been altered on this day.

5. The data is written to either:
  - The target table, if the applicable programs contained only inserts.
  - A temp table, if the applicable programs contained updates. The target table then undergoes a normal update process. If necessary, see the section, “Process to Update Records in RDW.”

## Derived Datamarts

To support some complex metrics, it is sometimes necessary to build an aggregate table with facts that are more than simple sums of those lower levels of granularity. This is similar to standard aggregation in that data moves from one fact datamart table to another. However, because the fact column names are different, there is no straight drill path between the two levels. As a result, these higher-level DM tables are not really aggregates in the purest sense; rather, they are different datamarts derived from a lower level. Here is an example.

The Sales datamart contains profit calculated using an item’s weighted average unit cost. The Net Cost datamart holds various costs for an item, from a given supplier, that are used for a more detailed profit analysis. By combining data from these two functional areas—the Net Profit datamart is built. By deriving a datamart, the user can view profit analysis reports in the front end without the use of overly complex metrics. An additional benefit of deriving a datamart is that database performance improves.

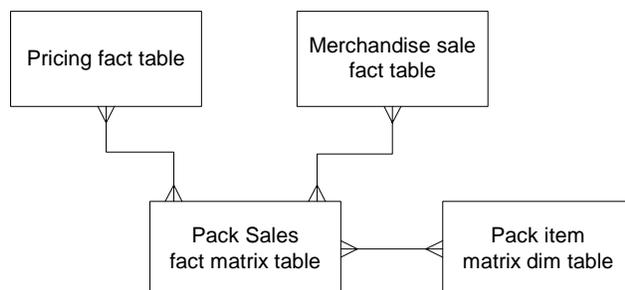
Derived datamarts in RDW include the following:

- Sales Transaction Summary
- Tender Transaction Summary
- Loss Prevention Transaction Summary
- Supplier Compliance Summary
- Net Profit
- Pack Sales/Pack Sales Markdowns
- Voucher Movement

## Fact Matrix Processing

A derived datamart can also be thought of as a ‘fact matrix’. As the diagram and table below illustrate, the matrix table, by having the same dimension key, resolves the relationship among fact and dimension tables that have, in terms of their cardinality, a many-to-many relationship.

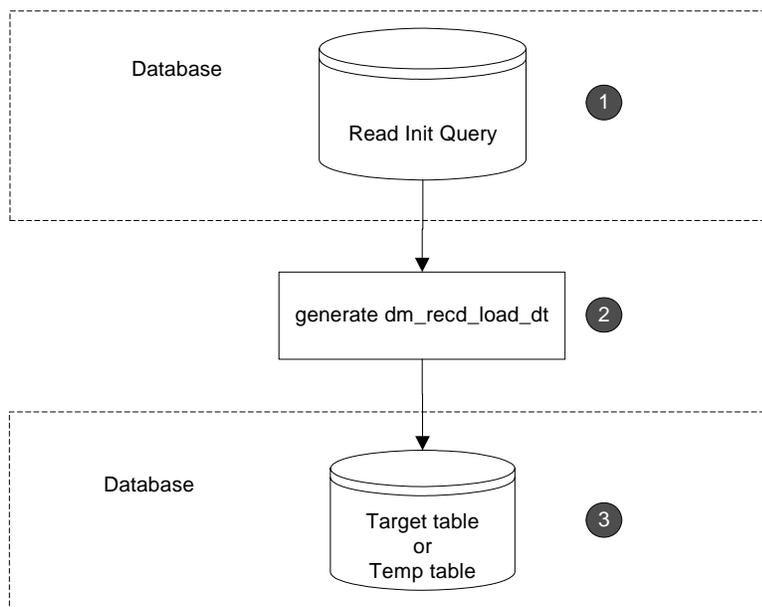
For example:



**Fact Matrix Processing**

**Fact Matrix Table Example**

Item	Location	Day	Cost Amount	Sale Amount
1	1	2	5	10
1	2	1	10	20
2	1	1	5	10

**Fact Process Flow—Fact Matrix**

1. When the program calls the library (fact\_mtx.ksh), the RETL database read operator (that is, ORAREAD), within a query, retrieves the data. The query can, if necessary, perform aggregation.
2. A maintenance column is generated that acts as a date marker (that is, a time stamp). Essentially, this maintenance column records the fact that these rows have been altered on this day.
3. The data is written to either:
  - ... the target fact matrix table, if the applicable programs contained only inserts.
  - ... a temp table if the applicable programs contained updates. The target fact matrix table then undergoes a normal update process. If necessary, see the section, "Process to Update Records in RDW."



---

---

# Compression and Partitioning

This chapter describes how RDW implements compression, and offers a discussion of Oracle partitioning.

## Overview of Compression

Although data warehouses are often very large, the amount of detail generated in some RDW tables is enormous even by usual standards. That is, a retailer with 500,000 items and 500 locations would generate 250,000,000 new rows each day. Storing this amount of uncompressed data is impractical from a disk storage perspective, both in the cost to store the rows and in the cost to perform backups and other database maintenance operations.

One approach that RDW uses to reduce the data volume is compression. This chapter describes:

- What compression does
- The mechanics of compression
- Which tables are currently compressed
- The Oracle features that are related to compression
- Strategies for implementing compressed tables

## What Compression Does

Compression refers to storing physical data that only reflects changes to the underlying data source, and filling in the gaps between actual data records through the use of database views. This method is engaged primarily for subject areas that are perpetual, such as inventory. That is, when querying sales data, a valid sale record either exists (a sale occurred) or a record does not exist (no sale occurred). However, when querying for on-hand inventory, even if no change occurred to the inventory on the date desired, a valid value is still required. One way to resolve this discrepancy is to store a record for every day for every valid item-location combination as mentioned above. Another method, compression, allows for the storage of only changes to the inventory position. The query is resolved by looking backward through time from the desired date (if no change record exists on that date) until an actual change record is found. This method returns the correct current data with the minimum requirements necessary for processing and storing data.

## The Mechanics of Compression

The purpose of decompression views is to give the application the illusion that there is a record for each possible combination (that is, an item-location-day record for each permutation) when in fact there is not. Thus, the fact of whether a table is compressed or not should not be visible to the application that queries data from that table.

A compressed table is made up of two distinct parts: a 'seed' that consists of all existing combinations at a point in time (typically the first day or week of the table or partition) and the changed data since that time.

When resolving a query for a particular record, the decompression view provides the latest record for the requested item and location with the maximum day that is less than or equal to the requested day. A decompression view needs to encompass both the seed and all of the changed data since that seed.

To illustrate how the decompression views actually work, assume the following: I am interested in the inventory position of item 10 at location 10 on 1/23/02. The seed was done on 1/1/02. Changes were posted on 1/4/02, 1/15/02, and 1/30/02. The row that is presented to the application by the decompression view is the row on 1/15/02, because it is the greatest date that is less than or equal to the requested date. As a second example, assume that the inventory position of item 10, location 10, day 1/3/02 was desired. Because there was no change record less than or equal to the desired date, the seed record from 1/1/02 would be presented to the application.

Compression's performance is excellent when the user is querying for a single day (as in the example above). When querying over a group of days, however (that is, all of the inventory positions at a given location on a given day), the performance can be unacceptable. Even though the user is requesting a group of information back and in most cases the database can process groups of information efficiently, each individual row must be evaluated individually by the decompression view and cannot be processed as a group. To counteract the slow performance of these summary operations, clients may take advantage of compressed table partition seeding (see the passage, "Overview of Partitioning Strategies," later in this chapter).

This partition seeding utilizes CUR tables (also known as 'current' tables). An example is the INV\_IL\_CUR\_DM table, which holds the current decompressed position for every item and location on the INV\_ITEM\_LD\_DM table. This position can be used as a partition seed. This position is also utilized by base RDW code during major change fact seeding (see the passage, "factopendm.ksh," later in this chapter).

## Compressed Tables and CUR Tables

The table below illustrates the compressed tables within RDW, along with their corresponding CUR tables.

Compressed Tables	CUR Tables
CMPTR_PRICING_ITEM_LD_DM	CMPTR_PRICING_IL_CUR_DM
COST_ITEM_SUPP_LD_DM	COST_ISL_CUR_DM
EXCHNG_RATE_CRNCY_DAY_DM	(No CUR table)
INV_ITEM_LD_DM	INV_IL_CUR_DM
INV_ITEM_LW_DM	(No CUR table)
INV_UNAVL_ITEM_LD_DM	INV_UNAVL_IL_CUR_DM
NET_COST_SUPP_ITEM_LD_DM	NET_COST_SIL_CUR_DM
ORG_LOC_WK_MTX_DM	(No CUR table)
PRICING_ITEM_LD_DM	PRICING_IL_CUR_DM
SPACE_ALLOC_DEPT_LD_DM	SPACE_ALLOC_DL_CUR_DM
SPACE_ALLOC_ITEM_LD_DM	SPACE_ALLOC_IL_CUR_DM
SUPP_AVAIL_ITEM_DAY_DM	SUPP_AVAIL_ITEM_CUR_DM
SUPP_CNTRCT_ITEM_DAY_DM	SUPP_CNTRCT_I_CUR_DM

## Coping with Major Changes

### Factclosedm.ksh

On a compressed fact table, a record is only posted to the table when there is a change in one of the fact attributes. If there is no activity, no record is posted. Decompression views then fill in the gaps between physically posted records so the front end can see a fact record for each item-location-day combination. However, when an item or location or department is closed or major-changed, any fact record with those dimensions becomes inactive. The decompression views need to be informed to stop filling in the gap after the last record was posted. To accomplish this instruction, factclosedm first queries the PROD\_ITEM\_RECLASS\_DM, ORG\_LOC\_RECLASS\_DM, and PROD\_DEPT\_RECLASS\_DM tables (see the section, "factopendm.ksh," later in this chapter) to determine what compressed item-location facts need to be closed today. Factclosedm then inserts a 'stop record' that has a DM\_RECD\_STATUS\_CDE = 'X'. The decompression view fills in records up to the day that a status code of 'X' is posted. The close record is inserted for tomorrow's DAY\_IDNT, indicating that the fact record is no longer valid beginning tomorrow, when the newly seeded record (from factopendm.ksh) becomes active. In the case of the one compressed week table, INV\_ITEM\_LW\_DM, factclosedm inserts close records for next week's WK\_IDNT.

### Factopendm.ksh

RDW Data Compression tables require seeding when a major change in the product and/or organization dimension causes new surrogate keys to be created for items or locations. Seeding the compressed tables is required because the new key represents a new hierarchy relationship. If the new key is not represented on the compressed table, the compression view does not pick up any data from the day the old dimensions were closed to the day a record with the new dimensions is posted to the compressed fact tables. This missed data causes inaccuracy in query results and incorrect data aggregation.

There are two steps to this seeding process. First, the programs prditmdm.ksh, prddepdm.ksh, and orglocdm.ksh run as part of the dimension loading process to populate temporary tables PROD\_ITEM\_RECLASS\_DM, PROD\_DEPT\_RECLASS\_DM, and ORG\_LOC\_RECLASS\_DM. Next, the program factopendm.ksh looks at the tables for reclassified items, departments, or locations. It seeds all of the compressed tables with records that contain the reclassified ITEM\_KEYS, DEPT\_KEYS and/or LOC\_KEYS.

## Overview of Partitioning Strategies

RDW ships with no tables partitioned. This section describes optional partitioning strategies for compressed datamarts that clients may wish to pursue.

As described earlier, 'decompression views' provide a virtual view of a fully populated table even though the underlying table is actually only sparsely populated. For large compressed tables, especially the INV tables, splitting them into table partitions can provide the following benefits:

- Partitions are smaller and therefore easier to manage
- Management operations on multiple partitions can occur in parallel
- Partition maintenance operations (such as index rebuilds) are faster than full table operations
- Partition availability is higher than table availability (that is, if I am recovering a particular partition, users may access all other partitions of the table at the same time)
- The optimizer can prune queries to access data in only the partition of interest, not the entire table (that is, if I am interested only in February's data, I do not need to look at any of the table's data outside of the February partition)
- Partitions are separate database objects, and can be managed accordingly (that is, if December sales are frequently accessed throughout the year whereas other months are not, the December sales partition could be located in a special tablespace that allows for faster disk access)
- In some situations, Oracle can create parallel operations on partitions that it cannot on tables; an example is joining between two different tables if they are partitioned on the same key (this feature is called a 'parallel partition-wise join')

The general guideline is that table partitions should be used on very large tables. Tables larger than 20 GB would be potential candidates for partitioning. For optimal performance on inventory tables, partitioning is highly recommended.

Indexes, as well as tables, can be partitioned. 'Index partitions' can be global (one index over the table, regardless of whether the table is partitioned or not) or local (there is a 1-to-1 correspondence between index partitions and table partitions). In general, when tables are partitioned, local indexes should be preferred to global indexes for the following reasons:

- Maintenance operations involve only one index partition instead of the entire index (that is, if the oldest table partition is aged out, a local index partition can be dropped along with its corresponding table partition, whereas an entire global index would need to be rebuilt after it becomes unusable when a table partition is dropped)
- The optimizer can generate better query access plans that use only an individual partition
- When multiple index partitions are accessed, the optimizer may choose to use multiple parallel processes rather than just one

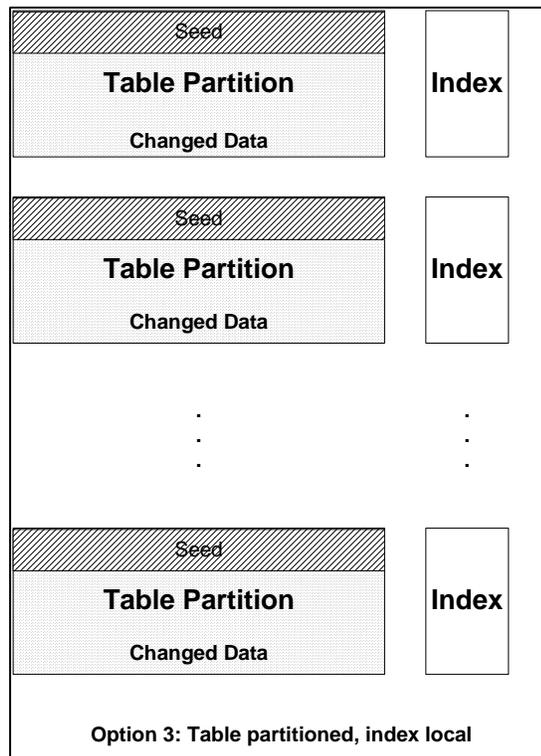
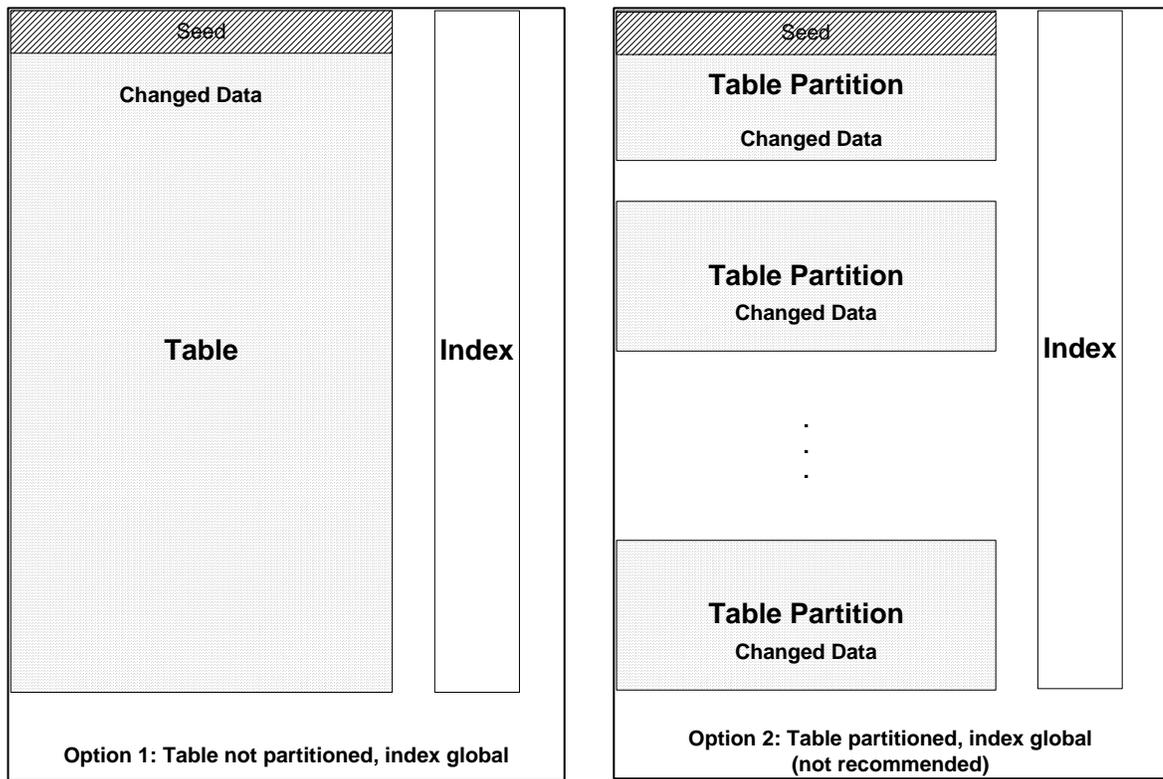
## Implementing RDW Partitioning

For those clients who choose to partition a compressed table, the diagrams on the following page illustrate some of the possibilities for table and index layout.

In general, option 3 is the preferred solution for large compressed tables (typically, the INV\_ITEM\_LD\_DM and INV\_ITEM\_LW\_DM tables). It uses table partitions and local indexes, thus minimizing the impact of index maintenance and the deletion of old table partitions.

Option 1 is viable for smaller compressed tables (typically, all other compressed tables besides INV). The disadvantage is that there is no way to delete historical data (that is, the table continues to grow).

Option 2 is not recommended. It combines the disadvantage of not allowing for historical data to be purged with the disadvantage of having a global index on a partitioned table.



## An Example of Setup and Maintenance for Partitioning RDW Compressed Inventory Tables Using Warehouse Partitioning

1. Make the following determinations, among others:
  - Your partitioning strategy
  - The time period your partitions will use
  - The ‘values less than’ boundaries according to your calendar
  - How many partitions are to be used
  - The partition naming standard
2. On the database, create the partitions and indexes for the tables you want to partition.
3. Verify you have populated the Time Calendar Dimension. See the RDW Database Installation Guide for details.
4. Re-run the standard grant and synonym scripts. See the RDW Database Installation Guide for details.

Perform step numbers 2, 3, and 4 whenever any of the following events occur:

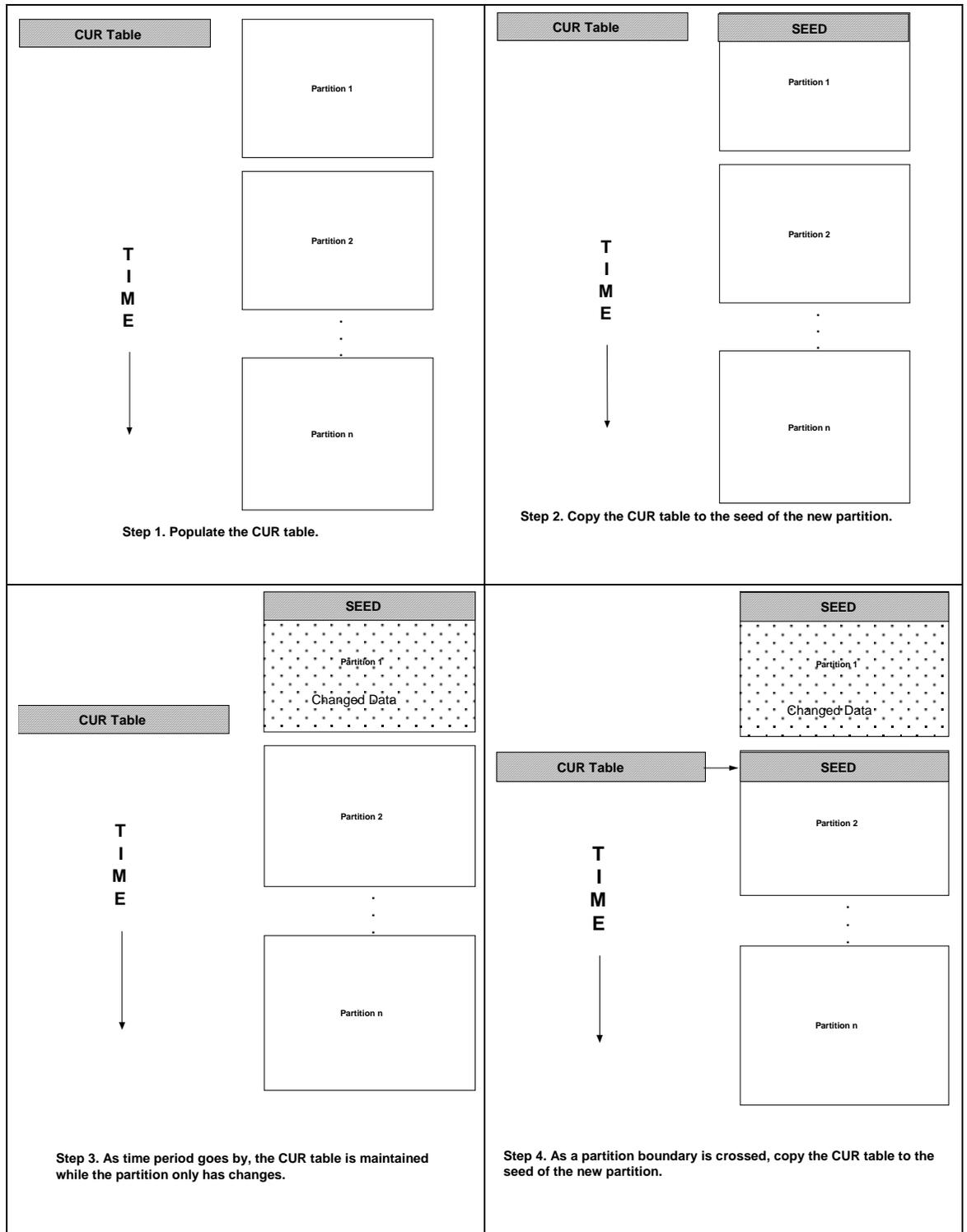
- Records are added to or deleted from the Time Calendar tables TIME\_DAY\_DM or TIME\_WK\_DM
- Partitions are added to the Inventory Position tables INV\_ITEM\_LD\_DM or INV\_ITEM\_LW\_DM
- Partitions are removed from the Inventory Position tables INV\_ITEM\_LD\_DM or INV\_ITEM\_LW\_DM

### Implementing Partitioning for Compressed Inventory Tables

Once the tables (including partitions) and indexes have been created, the data must be loaded. For tables that have a corresponding CUR table (such as INV\_ITEM\_LD\_DM and INV\_IL\_CUR\_DM), the recommended steps are described in the following text and shown in the diagram on the following page:

1. Populate the INV\_IL\_CUR\_DM table with data. (This population is accomplished the first time that invlldm.ksh runs and an inv position record is processed.)
2. Copy this INV\_IL\_CUR\_DM table as the seed to the first partition. (This step is performed automatically by the orapartseed.ksh program. See the chapter, “Compression and Partitioning,” for more information about seeding.)
3. At this point, only the changed records are added to the INV\_ITEM\_LD\_DM table, whereas the INV\_IL\_CUR\_DM table is a full, uncompressed version that holds the current inventory position as of the last time period.
4. When a partition boundary is crossed, the INV\_IL\_CUR\_DM table is copied as the seed to the new partition, via the orapartseed.ksh program.

If you have questions about how to implement partitioning with compression or would like assistance implementing partitioning, contact Oracle Retail Customer Support or Oracle Retail Services.



**Implementing Partitioning for Compressed Inventory Tables**

## How Oracle Implements Partitions

Oracle range partitions are split by a range of values on the partition key. Examples include partitions by month, partitions by department number, and partitions by item range. Oracle expanded the partitioning options to include hash partitions (spreading the rows across a fixed number of partitions by applying a hash function to the partition key), as well as composite partitioning (a combination of range partitioning and hash partitioning). Oracle Retail recommends that clients partition their tables using range partitioning. Oracle Retail also recommends that the partition key be the date field in the primary key to allow partitions to be aged out when no longer needed.

The Oracle Retail general guideline is that partitioning should be considered for a table that will be 20 GB or larger. Because there is an administrative trade-off between having more partitions to manage and obtaining the benefits of partitioning, partitioning tables smaller than 20 GB should only be considered when specific circumstances dictate. In addition, individual partitions should be kept to 10 GB or less.

The actual physical layout of partitions varies from site to site. A general approach is to put each partition into its own tablespace. This has several advantages:

- Maintenance operations, as well as tablespace recovery, can occur on a partition while other partitions are unaffected
- If manual performance tuning of the data files is being done, tablespaces and their files can be moved around to achieve optimal performance
- If partitions are no longer being updated, their tablespaces can be changed to READ ONLY, which greatly reduces backup requirements

Partitions are ordered from low values to high values. The partition key value for a partition is a non-inclusive upper bound (high value) for that partition. That is, if the SLS\_ITEM\_LD\_DM table is partitioned by month, the high value for the January, 2000, partition is 01-Feb-2000. A low value can always be inserted into the lowest partition. However, a high value may not be able to be inserted depending on the high value of the highest partition. For instance, if the highest partition has a high value of 01-Feb-2000, and the insertion of a record is attempted with a date of 01-Feb-2000, the row cannot be inserted into the table (remember that the high value of 01-Feb-2000, is a *non-inclusive* upper bound). For this reason, Oracle allows a special high value partition with a key of MAXVALUE. Oracle Retail recommends that all partitioned tables include a dummy partition with a MAXVALUE high value.

There are special considerations for the partitioning of RDW compressed tables. The following is a brief description of the different partition maintenance commands. Please see the current Oracle database documentation set for more details:

- **ADD PARTITION:** adds a new partition to the high end of a partitioned table; because Oracle Retail recommends having a MAXVALUE partition, and this is the highest partition, the ADD PARTITION functionality can be achieved by performing a SPLIT of the MAXVALUE partition instead
- **DROP PARTITION:** drops the partition; this is the typical method to delete the oldest partitions (those with the lowest values) as they age to maintain a rolling window of data
- **EXCHANGE PARTITION:** converts a non-partitioned table into a partitioned table or converts a partitioned table into a non-partitioned table
- **MERGE PARTITION:** merges two adjacent partitions into one
- **MOVE PARTITION:** moves a partition to another segment; this is used to defragment a partition or to change its storage characteristics

- **SPLIT PARTITION:** splits an existing partition by adding a new partition at its low end
- **TRUNCATE PARTITION:** removes all rows from the partition

Oracle database automatically maintains local index partitions in a 1-to-1 correspondence with their underlying table partitions. Any table partition operations, such as **ADD PARTITION**, also affect its appropriate index partitions.

## Summary

Partitions are useful for breaking up large tables into smaller, more manageable pieces. Oracle Retail offers the following recommendations for partitions:

- Consider partitioning tables that will be greater than 20 GB in size or those for which a special need exists that partitioning could benefit
- Keep individual partitions under 10 GB in size
- Use the date as the partition key for range partitioning
- When tables are partitioned, make their indexes local
- Consider putting each partition in its own tablespace
- After updates on a partition cease, consider changing its tablespace to **READ ONLY** to reduce backup requirements

If partitioning compressed tables, be sure to address their special requirements.

---

---

## RDW Program Overview

This chapter summarizes the RDW RETL programs. More information about the RETL tool is available in the latest RETL Programmer's Guide.

This chapter references the directory structure set up during RDW product installation. Descriptions of these directories are available in the RDW Database Installation Guide.

### Program Features

The RDW RETL programs include the following features:

- Program return code
- Restart and recovery
- Message logging
- Program error file
- Schema files
- Resource files
- Command line parameters
- Partitioning

### Program Return Code

The RDW RETL programs use one return code to indicate successful completion. If the program successfully runs, a zero (0) is returned. If the program fails, a non-zero is returned.

### Restart and Recovery

RETL processes all records as a set, as opposed to one record at a time. The restart and recovery process within RDW serves the following two purposes:

1. It prevents the loss of data due to program or database failure.
2. It increases performance when restarting after a program or database failure by limiting the amount of reprocessing that needs to occur.

### RDW Restart and Recovery

Datamart load programs that use a single RETL flow do not require the use of restart and recovery. If the load process fails for any reason, the program can be re-run from the beginning.

More complicated programs that require the use of multiple RETL flows have the potential risk of losing data during a failure. Each individual step is committed once it is successful. Thus, if a later step fails, a rollback is impossible. These programs utilize a bookmark method for restart and recovery. This method allows the program to be restarted at the point of last success and run to completion. The bookmark restart/recovery method incorporates the use of a bookmark flag to indicate which step of the process should be run next. The bookmark flag is written to and read from a bookmark file for each step in the process.

---

**Note:** If the fix for the problem causing the failure requires changing data in the source table or file, then the bookmark file must be removed and the process must be re-run from the beginning in order to extract the changed data.

---

### Program Control Tables

The PROGRAM\_CONTROL\_DM table is used by RDW to determine how to process records for a program. See the chapter, “Program Reference Lists,” for program-specific details about the contents of the PROGRAM\_CONTROL\_DM table.

The PROGRAM\_CONTROL\_DM table holds record-keeping information about current program processes. See the RDW Data Model for table and column descriptions.

### Bookmark File

The name and directory of the restart and recovery bookmark file is set in the configuration file, `rdw_config.env`. The directory defaults to `${MMHOME}/rfx/bookmark`. The naming convention for the bookmark file itself defaults to the following:

- The program name
- The first filename, if one is specified on the command line
- ‘bkm’
- The business virtual date for which the program was run

That is, the bookmark flag for the `prditmdm` program would be written to the following file for the batch run of January 5, 2001:

```
${MMHOME}/rfx/bookmark/prditmdm.bkm.20010105
```

## Message Logging

Message logs are written daily in a format described in this section.

### Daily Log File

Every RETL program writes a message to the daily log file when it starts and when it finishes. The name and directory of the daily log file is set in the configuration file, `rdw_config.env`. The directory defaults to `${MMHOME}/log`. All log files are encoded UTF-8.

The naming convention of the daily log file defaults to the following:

- The business virtual date for which the programs are run
- ‘.log’

That is, the location and the name of the log file for the business virtual date of January 5, 2001 would be the following:

```
${MMHOME}/log/20010105.log
```

## Format

As the following examples illustrate, every message written to a log file has the name of the program, a timestamp, and either an informational or error message:

```
cusdemogdm 13:20:01: Program Starting...
cusdemogdm 13:20:05: Build update and insert data.
cusdemogdm 13:20:13: Analyze table rdw13dev.cust_demog_dm_upd
cusdemogdm 13:20:14: Insert/Update target table.
cusdemogdm 13:20:23: Analyze table rdw13dm.cust_demog_dm
cusdemogdm 13:20:27: Program Completed...
```

If a program finishes unsuccessfully, an error file is usually written that indicates where the problem occurred in the process. There are some error messages written to the log file, such as 'No output file specified', that require no further explanation written to the error file.

## Program Error File

In addition to the daily log file, each program also writes its own detail flow and error messages. Rather than clutter the daily log file with these messages, each program writes out its errors to a separate error file unique to each execution.

The name and directory of the program error file is set in the configuration file (`rdw_config.env`). The directory defaults to `#{MMHOME}/error`. All errors and *all routine processing messages* for a given program on a given day go into this error file (that is, it will contain both the `stderr` and `stdout` from the call to RETL). All error files are encoded UTF-8.

The naming convention for the program's error file defaults to the following:

- The program name
- The first filename, if one is specified on the command line
- The business virtual date for which the program was run

That is, all errors and detail log information for the `s1silddm` program would be placed in the following file for the batch run of January 5, 2001:

```
#{MMHOME}/error/s1silddm.s1silddm.txt.20010105
```

## Schema Files

RETL uses schema files to define an incoming or outgoing dataset. The schema file defines each column's data structure, which is then used within RETL to format/handle the data. For more information about schema files, see the RETL Programmer's Guide. For the following reasons, schema file names are hard-coded within each program:

- The schema files should not change on a day-to-day basis.
- If you are a retailer that has an Oracle Retail source application (RMS, ReIM, MFP, and RPM) and you choose to use the application's extract modules packed with the application, schema files used in data extractions must be the same as the schema files used by the RDW datamart loading module.
- For retailers without other Oracle Retail applications, the provided text file must be formatted to the schema used by the RDW loading program. To determine how data must be formatted to match RDW schemas, see "Appendix A – Application Programming Interface (API) flat file specifications".

## Resource Files

RDW uses resource files so that the same RDW install programs can run in various language environments. For each language, there is one resource file.

Resource files contain hard-coded strings that are used by RDW install programs. The name and directory of the resource file is set in the configuration file, `rdw_config.env`. The default directory is `${MMHOME}/rfx/include`.

The naming convention for the resource file follows the two-letter ISO code standard abbreviation for languages (that is, `en` for English, `fr` for French, `ja` for Japanese, `es` for Spanish, and so on).

## Command Line Parameters

In order for each RETL program in RDW to run, the input/output data file paths and names may need to be passed in at the UNIX command line.

### RDW

Datamart base fact load programs require passing in the `input_file_path` and `input_file_name`. Datamart dimension load programs do not require passing in any parameters because the input path/filename defaults to the following:

```
$DATA_DIR/(program name).txt.
```

See the chapter, “Program Reference Lists,” for a detailed listing of all programs and their command line parameters.

## Partitioning

RETL partitioning divides the data into multiple segments, or partitions, based upon the number of logical partitions defined in RETL. See the RETL Programmer’s Guide for a recommendation as to how to properly set the number of partitions. Each processor is responsible for a portion of a dataset, rather than the entire dataset. As a result of this partition load method, the processing of the entire dataset is much faster than in a single-processor environment.

Partitioning operators work closely with parallel operators, so that the detailed operations of partitioning and parallelism are hidden from the application user. See the RETL Programmer’s Guide for details on setting the number of partitions and determining which operators default to serial and which to parallel.

## Temporary Directory

RDW utilizes a temporary directory to aid in the RDW RETL program processing. This directory is used for various reasons by a few RDW programs that utilize RETL. The path/location of the temporary directory (`TEMP_DIR`) is set in the RDW environment configuration script, `rdw_config.env`.

RETL also utilizes a temporary directory to aid in its own processing. The path/location of this temporary directory (`TEMPDIR`) is set in the RETL configuration file, `rfx.conf`.

Although both RDW and RETL have separate reasons for using the temporary directories mentioned above, the client may choose to use a single temporary directory that would be shared by RDW and RETL. Oracle Retail recommends, however, that the client use separate directories to alleviate confusion.

For more information on how RETL uses the temporary directory, see the RETL Programmer’s Guide.

## The First Time RDW Batch is Run

To ensure that the correct current load data is entered in `dm_recd_load_dt`, the following must be considered:

- Ensure that RETL is configured per the RETL documentation and the `'rfx -v'` command is run at the UNIX prompt to confirm that you are pointing to the proper RETL executable version.
- Verify that the RETL executable is in the path of your UNIX session by typing:  
%which rfx.
- RDW installation is successful and default data and time are properly installed.
- The batch operator has read Chapters 1-4 of this Operations Guide. This will ensure the batch operator understands the relationship between time tables and columns that are populated in the dimension and fact tables.
- Batch dependencies are understood. See the chapter, "Program Flow Diagrams" for more information about the RDW program flow and dependencies.
- `Curr_load_dt` is changed to the day before the first dimension/fact is loaded (that is, if you plan to load data and have all the items on the first day of history have a `dm_recd_load_dt` of '20000101', then the `curr_load_dt` should be updated to '19991231').
- Run `mt_prime.ksh` before the dimension and fact modules to update the `curr_load_dt` in `maint_load_dt_dm` table to the intended dimension/fact load date (that is, the `curr_load_dt` before `mt_prime.ksh` is '19991231', and then after `mt_prime.ksh` the `curr_load_dt` is updated to '20000101').

### Typical `mt_prime.ksh` run

To run `mt_prime.ksh`, follow these steps:

---

**Note:** A program prerequisite is that the date entered in `curr_load_dt` must exist in the `TIME_DAY_DM` table.

---

1. Change directories to `${MMHOME}/rfx/src`.
2. At a Unix prompt enter:  
`%mt_prime.ksh`

If the program runs successfully, the following results:

1. **Log file:** Today's log file, `19991231.log`, contains the messages "Program started ..." and "Program completed successfully" for `mt_prime`.
2. **Data:**
  - a. The text files in `${MMHOME}/rfx/etc` are updated.
  - b. The `PROGRAM_STATUS_DM` table is updated. The status is updated to 'ready' for programs with a 'complete' status.
  - c. `Curr_load_dt` in the `MAINT_LOAD_DT_DM` table is updated to the previous `curr_load_dt` plus one.
3. **Error file:** The program's error file, `mt_prime.19991231`, contains the standard RETL flow (ending with "All threads complete" and "Flow ran successfully") and no additional error messages.

### Typical Run and Debugging Situations

The following examples illustrate typical run and debugging situations for each type of program within RDW. The log, error, and so on file names referenced below assume that

the program is run on the business virtual date of March 9, 2001. See the previously described naming conventions for the location of each file.

## RDW Dimension Load

To run prdpimdm.ksh:

1. Change directories to `${MMHOME}/rfx/src`.
2. At a UNIX prompt, enter:

```
%prdpimdm.ksh
```

If the program runs successfully, the following results:

1. **Log file:** Today's log file, 20010309.log, contains "Program starting ...", various informational messages, and "Program completed successfully..." messages for prdpimdm.
2. **Data:** The records from the source file `${MMHOME}/data/prdpimdm.txt` are loaded into the target table.
3. **Error file:** The program's error file, prdpimdm.20010309, contains the program's standard RETL flow (with "All threads complete" and "Flow ran successfully"), standard database output for dropping/updating tables, and no additional error messages.
4. **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'completed' where program\_name = prdpimdm and file\_name = `${MMHOME}/data/prdpimdm.txt`.
5. **Reject file:** Reject files are not created for RDW programs.
6. **Bookmark file:** The bookmark file, prdpimdm.bkm.20010309, does not exist.

If the program does *not* run successfully, the following results:

1. **Log file:** Today's log file, 20010309.log, does not have the "Program completed successfully..." message for prdpimdm.
2. **Data:** Some of the records from the source file `${MMHOME}/data/prdpimdm.txt` may be loaded into the target table.
3. **Error file:** The program's error file, prdpimdm.20010309, contains the program's RETL flow and any additional error messages.
4. **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'error' where program\_name = prdpimdm and file\_name = `${MMHOME}/data/prdpimdm.txt`.
5. **Reject file:** Reject files are not created for RDW programs.
6. **Bookmark file:** The bookmark file, prdpimdm.bkm.20010309, may exist. No bookmark file is created if the program did not make it past the first unit of work within the program or the program does not use restart and recovery.

To re-run the program, perform the following actions:

1. Determine and fix the problem causing the error.
2. If you wish to re-run the program from the beginning, remove the program's bookmark file.
3. Update the PROGRAM\_STATUS\_DM table to 'ready' where program\_name = prdpimdm and file\_name = \${MMHOME}/data/prdpimdm.txt.
4. Change directories to \${MMHOME}/rfx/src. At a Unix prompt, enter:  
%prdpimdm.ksh

## RDW Fact Load

To run vchreschddm.ksh:

1. Change directories to \${MMHOME}/rfx/src.
2. At a Unix prompt, enter:  
%vchreschddm.ksh \${MMHOME}/data/vchreschddm.txt

If the program runs successfully, the following results:

1. **Log file:** Today's log file, 20010309.log, contains "Program starting...", various informational messages, and "Program completed successfully" messages for vchreschddm.
2. **Data:** The records from the source file \${MMHOME}/data/vchreschddm.txt are loaded into the target table.
3. **Error file:** The program's error file, vchreschddm.vchreschddm.txt.20010309, contains the program's standard RETL flow (with "All threads complete" and "Flow ran successfully"), standard database output for updating tables, and no additional error messages.
4. **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'completed' where program\_name = vchreschddm and file\_name = \${MMHOME}/data/vchreschddm.txt.
5. **Reject file:** Reject files are not created for RDW programs.
6. **Bookmark file:** The bookmark file, vchreschddm.vchreschddm.txt.bkm.20010309, may exist. No bookmark file is created if the program did not make it past the first unit of work within the program or if the program does not use restart and recovery.

If the program does *not* run successfully, the following results:

1. **Log file:** Today's log file does not contain the "Program completed successfully" message for vchreschddm.
2. **Data:** Some of the records from the source file \${MMHOME}/data/vchreschddm.txt may be loaded into the target table.
3. **Error file:** The program's error file, vchreschddm.vchreschddm.txt.20010309, contains the program's RETL flow, and any additional error messages.
4. **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'error' where program\_name = vchreschddm and file\_name = \${MMHOME}/data/vchreschddm.txt.
5. **Reject file:** Reject files are not created for RDW programs.
6. **Bookmark file:** The bookmark file, vchreschddm.vchreschddm.txt.bkm.20010309, may exist. No bookmark file is created if the program did not make it past the first unit of work within the program or if the program does not use restart and recovery.

To re-run the program:

1. Determine and fix the problem causing the error.

2. If you wish to re-run the program from the beginning, remove the program's bookmark file.
3. Update the PROGRAM\_STATUS\_DM table to 'ready' where program\_name = vchreschddm and file\_name = \${MMHOME}/data/vchreschddm.txt.
4. Change directories to \${MMHOME}/rfx/src. At a Unix prompt, enter:  
`%vchreschddm.ksh ${MMHOME}/data/vchreschddm.txt`

---

---

## RDW Interfaces

This chapter provides a functional summary of data interfaces with RDW.

RDW receives information from various source systems. For the majority of RDW functionality, there are Oracle Retail applications that can serve as these source systems. These Oracle Retail applications are the following:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Merchandise Financial Planning (MFP)

Packaged with these Oracle Retail applications is the code to extract data from these systems and provide that data in a text file format which RDW can recognize and then load into RDW tables via RDW RETL programs.

Retailers who have not purchased Oracle Retail applications, or have purchased them and simply chosen not to use them as an RDW data source, can use their own source systems and code to provide RDW with the identical text files that the Oracle Retail source applications provide. APIs/schema files associated with this method are illustrated in “Appendix A – Application Programming Interface (API) flat file specifications”.

The following interfaces are described in this section:

- Oracle Retail Merchandising System (RMS)
  - Dimension data
  - Fact data
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Merchandise Financial Planning (MFP)
- Client-supplied data
- Loaded at install: Voucher age dimension and Time like for like transformations

All data comes into RDW as text files. See “Appendix A – Application Programming Interface (API) flat file specifications,” for a complete list of the RDW API specifications and their business requirements.

RDW and RDW reports can be configured to launch through Oracle Retail Workspace (ORW). ORW provides a single point of access to Oracle Retail applications used by your business. It provides an integrated platform that provides operational and analytical information through dashboards and reports from both internal and external sources.

## Oracle Retail Merchandising System

The Oracle Retail Merchandising System (RMS) can be the principle source of the RDW dimension and fact data. RMS is the retail client's central transactional processing system. RMS data feeds to RDW can be broken down into dimensions and facts. General descriptions of each are contained in this section.

### Dimension Data

RMS can be the sole source of organization and product dimension data, and it supplies the majority of other dimension data as well.

The dimension data process extracts current dimension data from RMS using RETL scripts that are packaged with RMS. The extracted data is outputted to text files. After these text files are moved to the RDW server, RETL then compares the data in the text file with the historical dimension data in RDW, and thereafter inserts/updates the dimension changes back into RDW. This comparison eliminates the need to capture dimension changes as they occur in the source system during the day.

RMS supplied dimensions include the following: Code Detail, Company, Competitor, Currency Code, \*Employee, Item-Location Trait Cross, Item-Supplier-Location Cross, Organization, Product (including attributes, such as differentiators), Product Season, Reason, Regionality, \*Register, Sub-Transaction Type, Supplier, Tender Type, and \*Total Type.

For the dimensions labeled with a '\*' above, the data comes to RDW from RMS, however the data originates in Oracle Retail Sales Audit (ReSA). ReSA is a flow through application that accepts 'raw' point of sale information and provides 'clean' data to downstream applications, such as the RDW.

RMS can be the source of two of the three types of time that RDW supports: fiscal 454 time and fiscal 454 time with a Gregorian time calendar. Retailers can supply the other RDW-supported time functionality: 13 period time. For more information on how time is loaded to RDW, see the RDW Database Installation Guide.

### Fact Data

The RDW fact data process extracts fact data from RMS using RETL scripts that are packaged with RMS. The extracted data is outputted to text files. After these text files are moved to the RDW server, RETL takes the data in the text files and performs the appropriate transformation, inserts and updates to the fact datamart tables.

RMS supplied facts include the following: Competitor Pricing, Cost, \*Escheated Vouchers, Exchange Rates, Inventory Adjustments, Inventory Position, Inventory Receipts, Inventory Transfers, \*Loss Prevention Transactions, \*Loss Prevention Totals (Tender Transactions, Cashier Over or Short, User-Defined Totals), Markdowns, Net Cost, Pricing, \*Outstanding Vouchers, Profit on Base Cost, Return to Vendor, \*Sales and Return Transactions (including Pack Sales), Sales Forecasts, \*Sales Productivity, Stock Ledger, Supplier Availability, Supplier Compliance, Supplier Contract, Unavailable Inventory, Wholesale/Franchise Sales, Wholesale/Franchise Markdowns, and \*Voucher Movement.

For the facts labeled with a '\*' above, the data comes to RDW from RMS, however the data originates in Oracle Retail Sales Audit (ReSA). ReSA is a flow through application that accepts 'raw' point of sale information and provides 'clean' data to downstream applications, such as the RDW.

### **A Note About Local Currency and Facts**

Many RDW clients conduct business in a multi-currency environment. While querying sales facts, for instance, a client may want to see the values in the common local currency of a group of stores in one country, or see values aggregated across all their stores from a number of countries. In order to provide clients both accuracy and flexibility in storing currency values, both local and primary currency values are stored in most of the RDW fact tables. A client using multiple currencies would have any fact that is stored by loc\_key held in that location's local currency for that day, side-by-side with a column for that fact converted to primary currency. A client using only one currency would have only the primary currency column populated, leaving the local column null. This currency storage strategy is accomplished by either RETL fact extraction code or legacy fact interfaces, which generate text files that include both local and primary currency values for loading into the datamart tables.

## **Oracle Retail Invoice Matching (ReIM)**

ReIM is a solution that provides all of the data necessary to support the invoice verification function, minimizing interface development and maintenance costs. ReIM can serve as the source of invoice cost fact data. ReIM extracts data using code packaged with ReIM. ReIM then writes one text file for RDW called sincilddm.txt. After this text file is moved to the RDW server, it is made available for RETL. RETL uses the data from the text file to perform the applicable inserts and updates to the invoice cost fact datamart table.

## **Oracle Retail Price Management (RPM)**

RPM is a solution that suggests and assists with pricing decisions. RPM can serve as the source of promotion dimensional data. RPM extracts data using code packaged with RPM. RPM then writes three text files for RDW. After these text files are moved to the RDW server, they are made available for RETL to use the data. RETL uses the data from the text file to perform applicable inserts and updates to the promotion dimension datamart table.

## **Oracle Retail Merchandise Financial Planning (MFP)**

Oracle Retail Merchandise Financial Planning is part of the Oracle Retail Predictive Planning Suite. Oracle Retail Merchandise Financial Planning provides strategic and financial product planning functions. These functions support industry planning standards for pre-season and in-season processes.

MFP can serve as the source planning fact data. MFP extracts data using code packaged with MFP. MFP then writes two text files for RDW. After these text files are moved to the RDW server, they are made available for RETL to use the data. RETL uses the data from the text file to perform applicable inserts and updates to the plan fact datamart table.

## Client-Supplied Data

RDW provides programs and tables for the areas of functionality described in this section. However, there currently is no Oracle Retail source system available to provide data for these functional areas. Clients need to supply the data via text files. These text files will be used as the inputs to process and load data into RDW datamart tables. See the location of client-supplied data in the RDW program schedule. For more business content information regarding the following functional areas of client-supplied data, see “Appendix A – Application Programming Interface (API) Flat File Specifications.”

- Catalog and activity requests facts
- Customer dimension
- Customer account dimension
- Customer demographic dimension
- Customer geographic dimension
- Customer and product cluster dimension
- Customer order demand facts
- Customer order line position facts
- Customer order code detail dimension
- Customer order promotion facts
- Customer order returns, replacement, exchange facts
- Customer order value added services facts
- Depiction code dimension
- Plan season dimension
- Market data facts and dimensions
- Media facts and dimensions
- Media location matrix dimensions
- Media transformations dimension
- Selling item dimension
- Space allocation facts
- Store traffic facts
- Two of six supplier compliance facts text files
  - Quality control
  - Missed schedule deliveries

The tables representing the following areas of functionality are loaded once at installation: voucher age dimension and time like for like transformations. See the RDW Database Installation Guide for more information.

## RDW Integration with Oracle Retail Workspace

RDW integrates with Oracle Retail Workspace (ORW) in three ways:

- Single Sign-On (SSO) launch of the RDW application from ORW  
See the Oracle Retail Data Warehouse Middle Tier Installation Guide for additional information about setting up Oracle Single Sign-On.
- Listing and Launching RDW Reports and Dashboards from ORW.
- Displaying RDW reports and dashboards in ORW dashboards

## SSO Launch from ORW

The Oracle Retail Workspace installer prompts you to enter the URL for your supported Oracle Retail applications. However, if a client installs a new application after Oracle Retail Workspace is installed, the retail-workspace-page-config.xml file needs to be edited to reflect the new application.

The file as supplied comes with all appropriate products configured, but the configurations of non-installed products have been "turned off". Therefore, when "turning on" a product, locate the appropriate entry, set "rendered" to "true", and enter the correct URL and parameters for the new application.

The entry consists of the main URL string plus one parameter named "config". The value of the config parameter is inserted by the installer. Somewhere in the installer property files there is a value for the properties "deploy.retail.product.rms.url" and "deploy.retail.product.rms.config".

For example, suppose RDW was installed on mycomputer.mycompany.com, port 7777, using a standard install and rms configured with the application name of "rdw121sedevhpsso". If you were to access RDW directly from your browser, you would type in:

```
http://mycomputer.mycompany.com:7777/forms/frmservlet?config=rdw121sedevhpsso
```

The entry in the retail-workspace-page-config.xml after installation would resemble the following:

```
<secure-work-item id="bieeApp"
  display-string="#{confMsgs.bieeAppTitle}"
  rendered="true"
  launchable="true"
  show-in-content-area="false">
  <url>http://mspdev69:7777/analytics</url>
</secure-work-item>
```

## Listing and Launching RDW Reports and Dashboards from ORW

ORW can be configured to show the list of RDW (OBIEE) reports and dashboards to which a user has access in the Reports worklist of its navigation panel.

The user is then able to click on a report to launch it. For complete details on this integration, refer to the Interfacing with Reports Server section of the Integration Methods and Communication Flow chapter of the Oracle Retail Workspace Implementation Guide.

## Displaying RDW Reports and Dashboards in ORW Dashboards

ORW dashboards may be configured to display RDW reports and dashboards.

For complete details on this integration refer to the Interfacing with Reports Servers section in the Integration Methods and Communication Flow chapter of the Oracle Retail Workspace Implementation Guide.

---

**Note:** Due to the space constraints in portlets on a dashboard, reports displayed in these portlets may need to be resized. See the Oracle Retail Report Resizing Guide which is available as Metalink Note 559554.1.

---



---

---

## Program Flow Diagrams

This chapter presents flow diagrams for all RDW dimension and fact data processing beginning with the data files provided by the source systems. Included are descriptions of the source system's data file that is required to be present, along with the RDW program or process that interfaces with the source data file. After initial interface processing of the data file, the diagrams illustrate the flow of the data into the respective datamarts.

Before setting up an RDW program schedule, familiarize yourself with the functional and technical constraints associated with each program. Read through the RDW Database Installation Guide and see chapter, "Program Reference Lists," of this operations guide for more details.

### Batch Scheduling

The following explains the order constraints of the RDW batch schedule. This section includes:

- Overall batch schedule, including schedule timing and when to run programs—daily, weekly, ad hoc, and so on
- Functional interdependencies, including functional constraints, such as that fact programs must run after dimension programs

### Setting up the Batch Schedule

---

---

**Note:** The number of programs that can be run in parallel at any given time is dependent upon the client's hardware capacity.

---

---

On a typical batch production run, the pre-batch maintenance programs must always run first. What runs next, as long as the client follows the batch dependencies in the flow diagrams, is up to the client.

That is, product dimension programs, such as `prditmdm.ksh` and `prditlmdm.ksh`, can be run in parallel after their respective pre-dependencies. Fact programs, such as `prcilddm.ksh`, can run in parallel with other, unrelated fact programs provided their respective pre-dependencies (including dimension predecessors) complete successfully first.

The batch flows on the following pages are best read from top to bottom. Such a review of the RDW batch schedule allows clients to both set up program dependencies and to optimize their batch window through the concurrent running of unrelated programs.

## rdw\_config.env Settings

The `rdw_config.env` is an environment configuration script that is used by RDW programs. There are a number of settings within this script, some of which are client configurable, some which are not. Listed below are the configurable variables which a client must set prior to running the RDW batch.

---

**Note:** Clients should weigh the benefits of these settings. Clients may wish to test different settings to find the best solution for their unique environment and needs.

---

- `DBNAME` refers to the name of the database (`ORACLE_SID`).
- `DB_OWNER` refers to the owner of all tables used by RDW.
- `BA_OWNER` refers to Oracle batch user.
- `ORACLE_PORT` refers to the port number the database server is using. RETL will use this variable to find a correct database.
- `ORACLE_HOST` refers to which server the database is on. RETL will use this variable to find a correct database.
- `LOAD_TYPE` refers to the SQL\*Loader method used to load data to the database. Direct load can be used when you have a large amount of data to load quickly. A direct path load can quickly load and index large amounts of data. It can also load data into either an empty or non-empty table. Conventional, not direct load, is the Oracle and RDW default. There are restrictions on when direct load can be used. Before using direct load, clients should research direct vs conventional load, and the restrictions to using direct load.
  - **LOAD\_TYPE=conventional:** loads the data using the conventional SQL-loader method for Oracle.
  - **LOAD\_TYPE=direct:** loads the data using the direct SQL\_loader method for Oracle.
- `CONN_TYPE` refers to the Database connection method. It will be either Oracle Real Application Clusters (RAC) enabled or disabled. The default is RAC disabled.
  - **CONN\_TYPE=thin:** Real Application Cluster disabled
  - **CONN\_TYPE=oci:** Real Application Cluster enabled
- `IM_PROCESS` refers to the method used to load item dimensional data. A number of factors determine which method performs best, including the volume of items a client has and how often changes are made to items. The higher the ratio of item changes to total items, the more likely one would benefit from the full snapshot method. Clients should test the methods to see what performs best for them. The default value for this setting is full snapshot.
  - **IM\_PROCESS=D:** loads the data using delta mode, which will process item data based on daily changed data only.
  - **IM\_PROCESS=F:** loads the data using snapshot mode, which will process items based on a full snapshot of all data.
- `LOOK_TYPE` refers to the method that RETL uses to look up item key. This setup depends on the number of items that clients have, the hardware capacity, as well as a number of other variables. Clients should test the two methods in their environment to see which method performs best. As a rule, 'lookup' will typically perform better for clients with a smaller number of items (less 1M) and 'innerjoin' will typically

perform better for clients with a larger number of items (more than 1M). The default value for this setting is lookup.

- **LOOK\_TYPE=innerjoin**: looks up item key using RETL 'innerjoin' operator.
- **LOOK\_TYPE=lookup**: looks up item key using RETL 'lookup' operator.
- **PARA\_NUM** refers to the parallel degree used in SQL statement. The parallel degree can affect the performance of a module. Currently it is only used for inventory aggregation module invblddm.ksh. The setup of this value depends on client system capacity. Clients should test it different values to select the best. It is suggested this value be half the number of CPUs available on the server if this server is only used for RDW. To disable parallelism, set this setting to a value of '0'. The default value '0'.
- **LANGUAGE** refers to which language is to be used. The default is set to 'en' for English.
  - **LANGUAGE=pt\_br**: Brazilian Portuguese
  - **LANGUAGE=zh**: Chinese (Simplified)
  - **LANGUAGE=zh\_tw**: Chinese (Traditional)
  - **LANGUAGE=en**: English
  - **LANGUAGE=fr**: French
  - **LANGUAGE=de**: German
  - **LANGUAGE=it**: Italian
  - **LANGUAGE=ja**: Japanese
  - **LANGUAGE=ko**: Korean
  - **LANGUAGE=ru**: Russian
  - **LANGUAGE=es**: Spanish
- **MILITARY** refers to if military or non-military time is loaded to RDW time dimension tables. The default is set to 'NON\_MILITARY'.
  - **MILITARY=MILITARY**: Military time is loaded to RDW time dimension tables.
  - **MILITARY=NON\_MILITARY**: Non-military time is loaded to RDW time dimension tables.
- ... **NUMOPENDAYS** refers to the number of days a store must be open before becoming comperable.

## Data from Undefined Sources

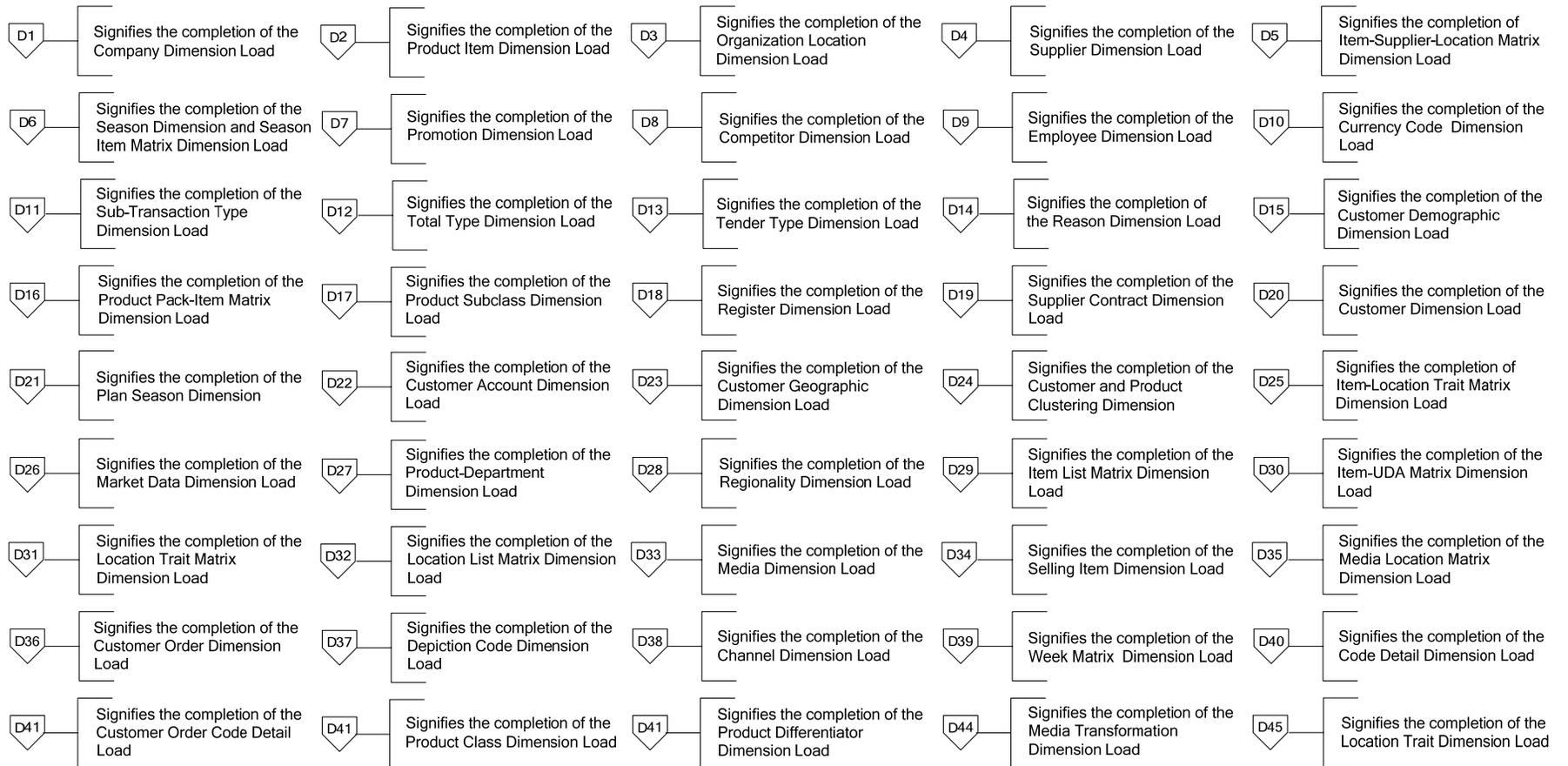
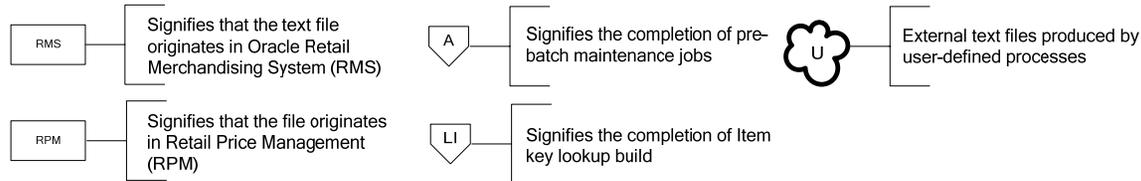
There are no pre-defined sources for some functional areas such as Geographic Dimension, Space Allocation, and Store Traffic fact data. User-defined processes must populate the text files for these areas before their respective loading programs run.

## Program Flow Diagrams

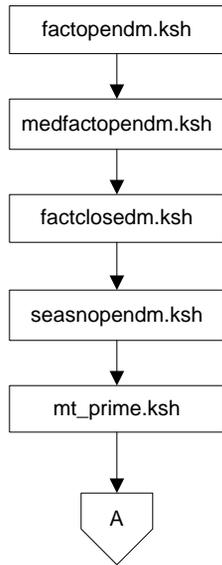
Diagrams of the RDW program flows begin on the next page.



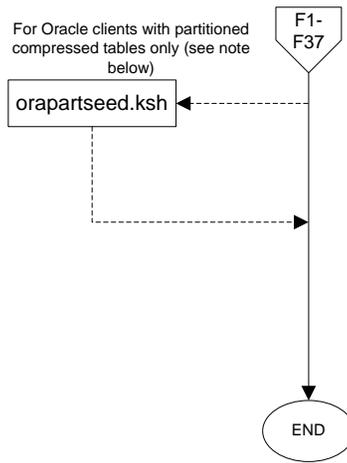
## Legend: RDW Dimension Programs



### Pre-batch maintenance



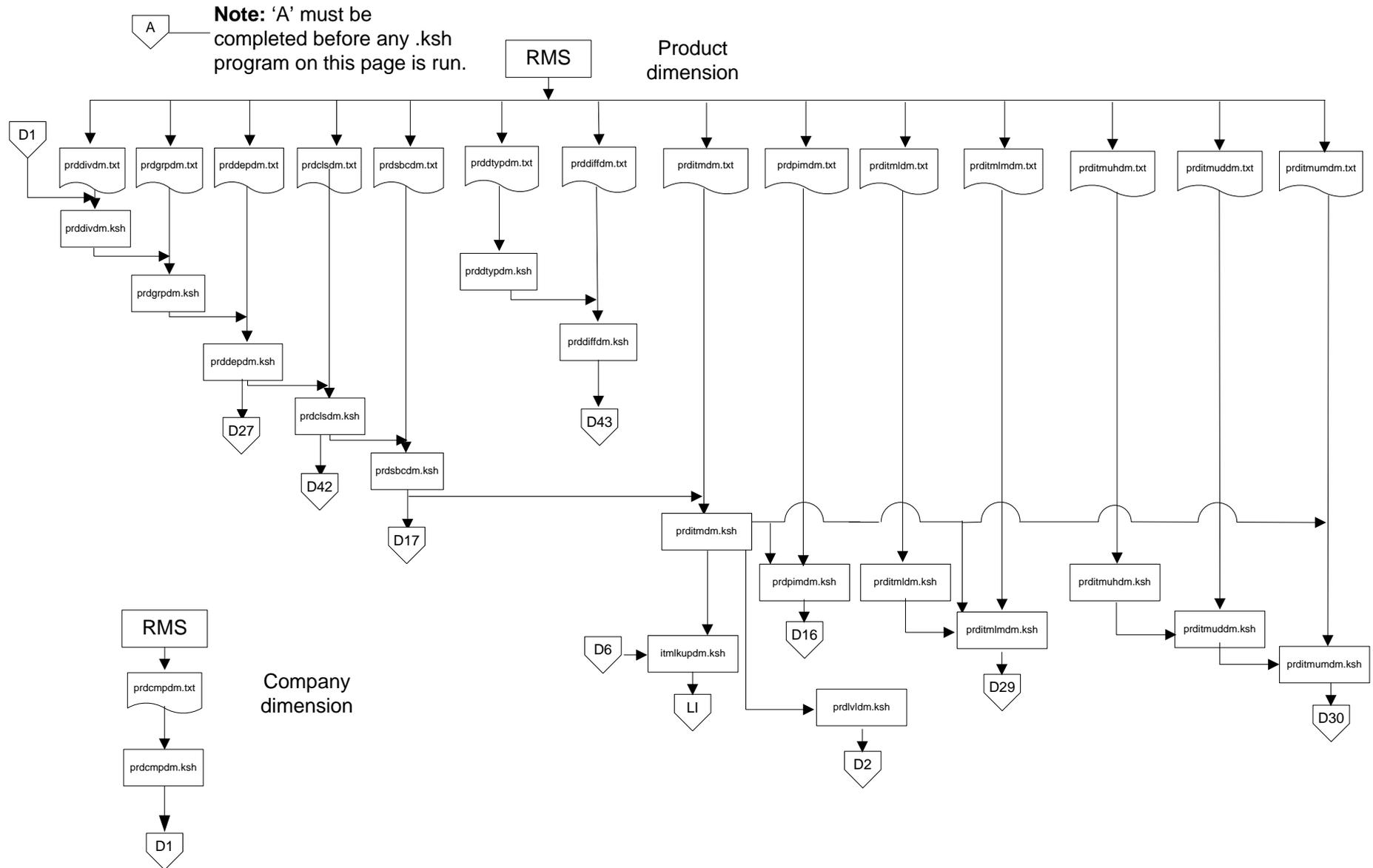
### Post-batch maintenance



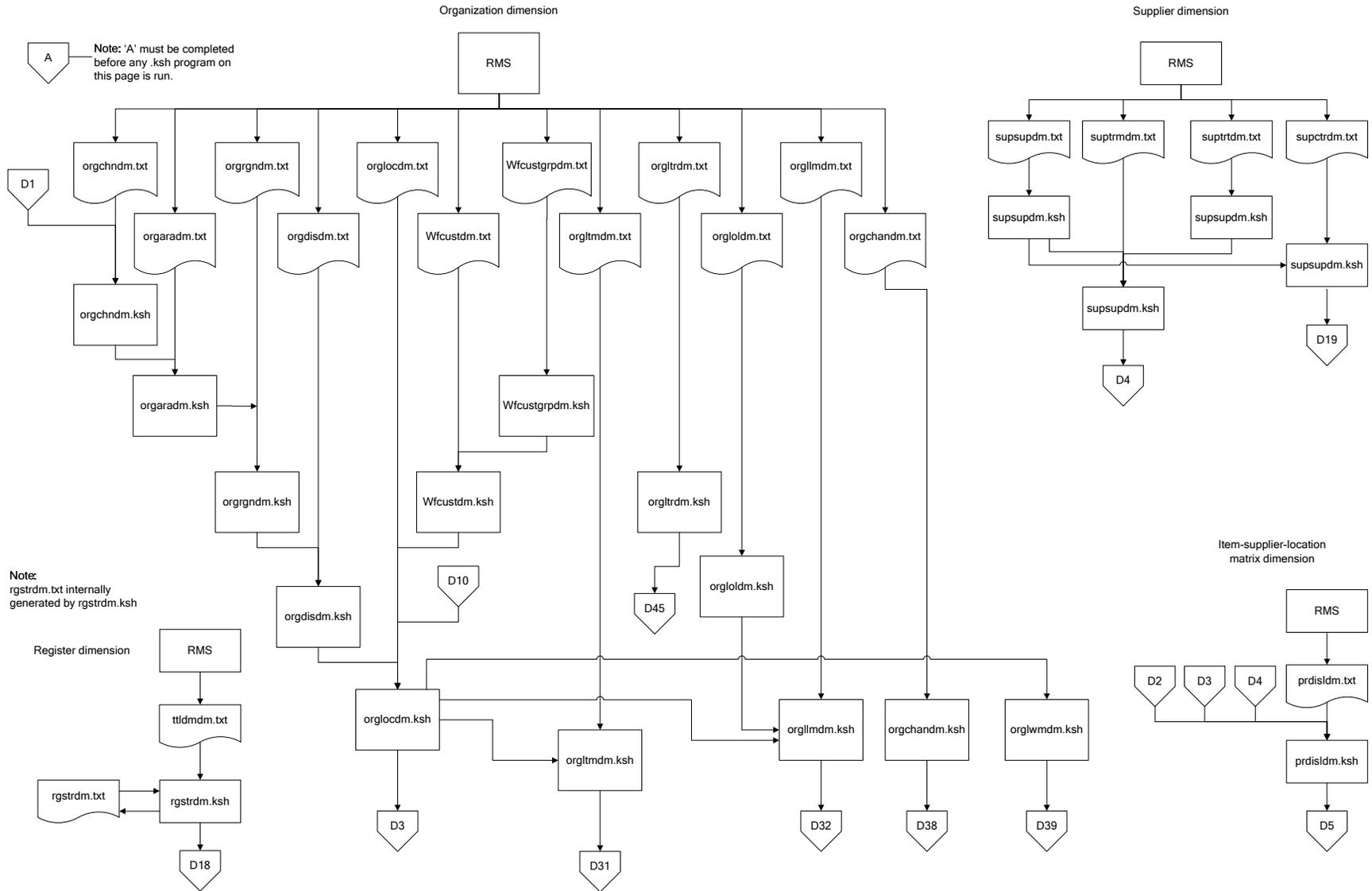
**Note:**

Orapartseed.ksh is an optional program used by Oracle clients only. The program affects compressed, partitioned datamart tables. See the chapter, "Compression and partitioning," for a more detailed explanation of seeding.

### Dimension dataflows

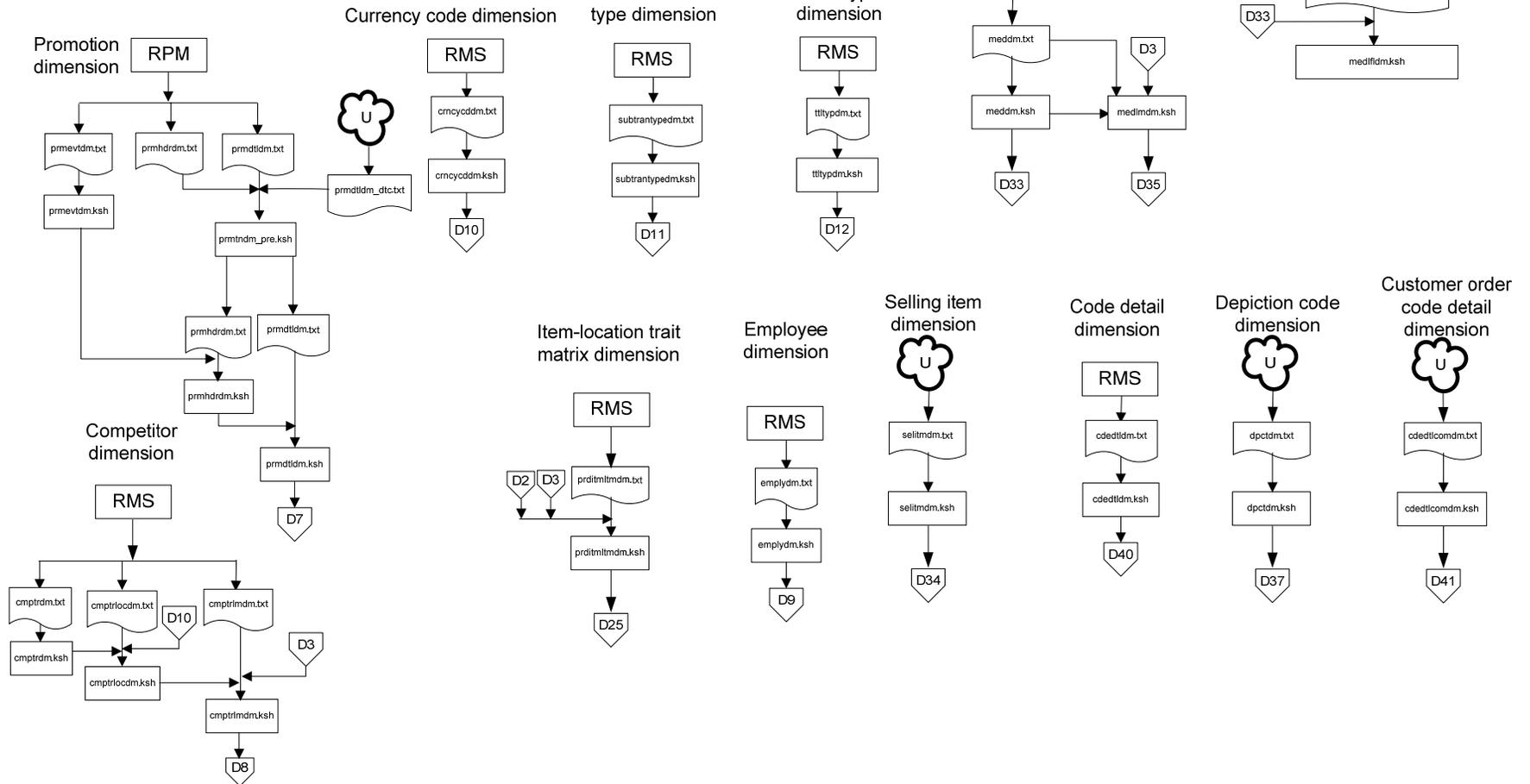


Dimension dataflows



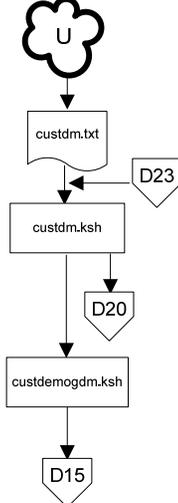
Dimension dataflows

**Note:** 'A' must be completed before any .ksh program on this page is run.

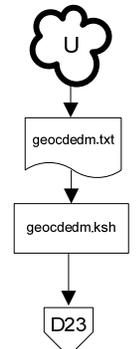


# Dimension dataflows

Customer and customer demographic dimension

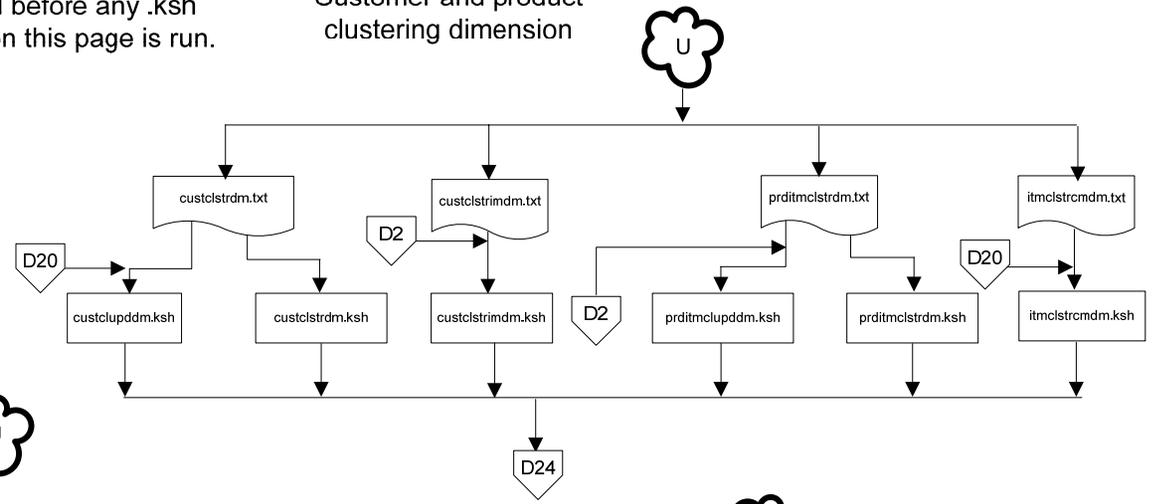


Customer geographic dimension

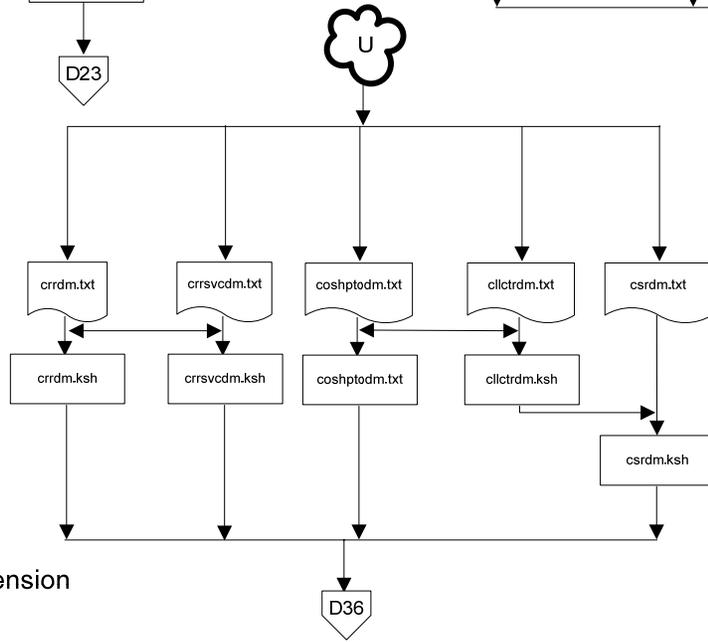


**Note:** 'A' must be completed before any .ksh program on this page is run.

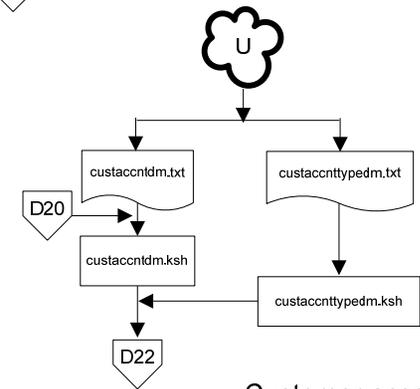
Customer and product clustering dimension



Customer order dimension

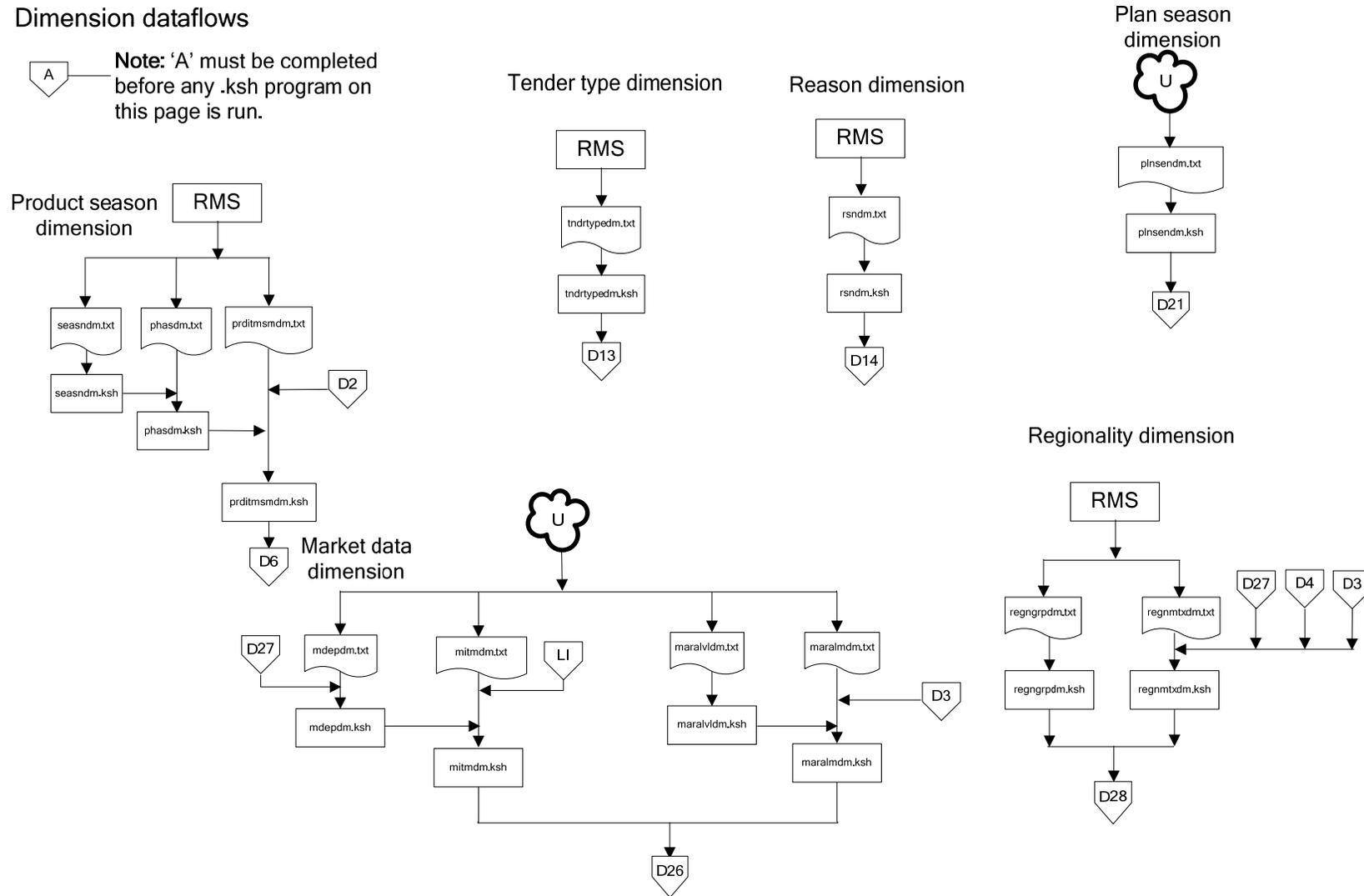


Customer account dimension



### Dimension dataflows

**Note:** 'A' must be completed before any .ksh program on this page is run.



## Legend: RDW Fact Programs

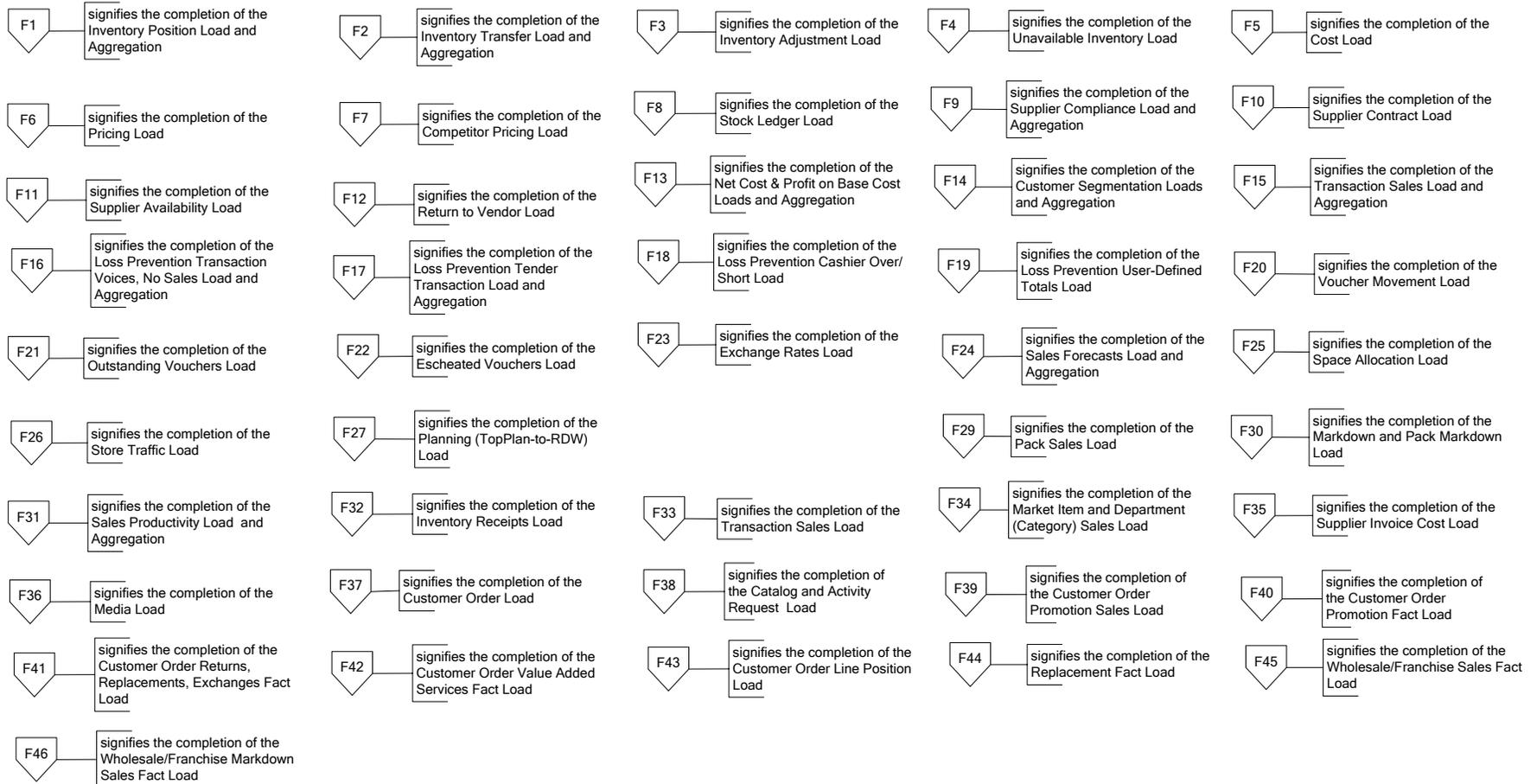
**RMS** — Signifies that the text file originates in Oracle Retail Merchandising System (RMS), which includes ReSA

**MFP** — Signifies that the text file originates in Oracle Retail Merchandise Financial Planning (MFP)

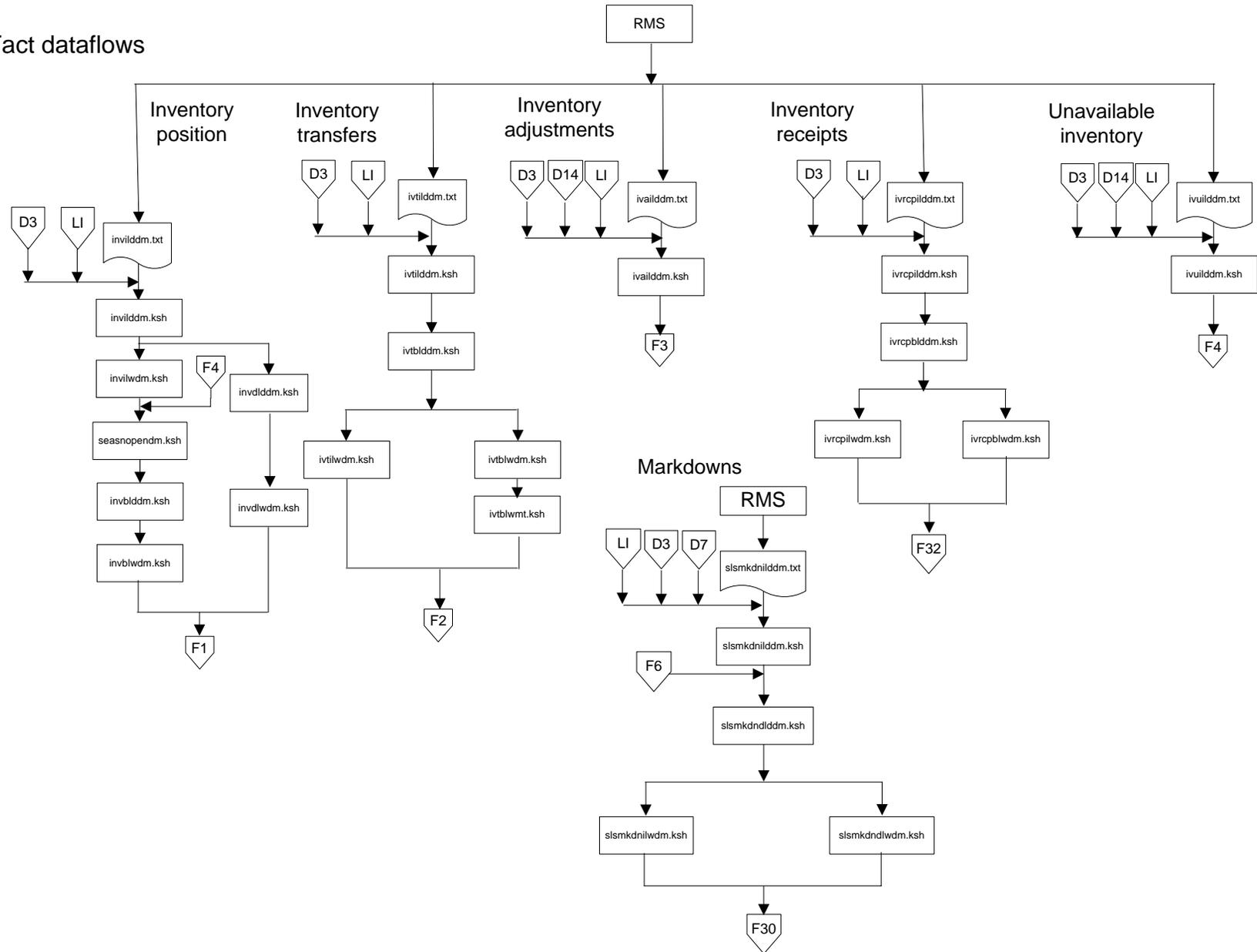
**LI** — signifies the completion of Item key lookup build

**ReIM** — Signifies that the text file originates in Oracle Retail Invoice Match (ReIM)

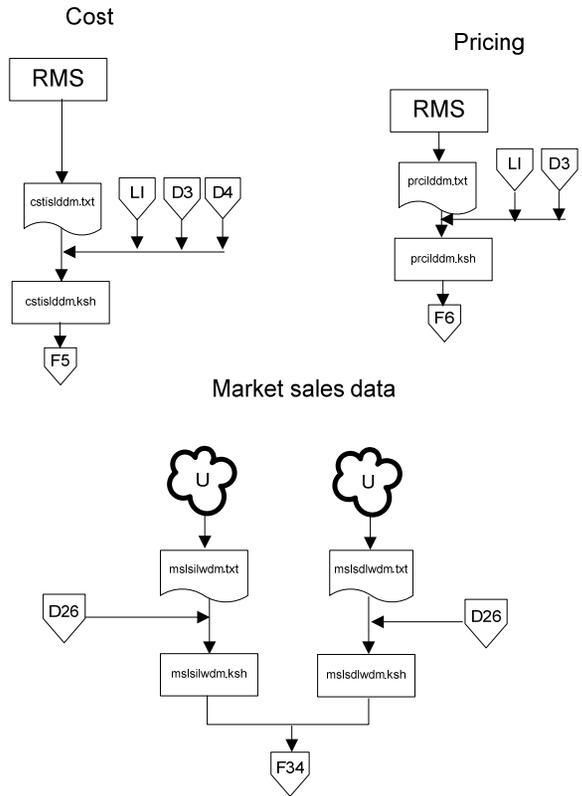
**U** — external text files produced by user-defined processes



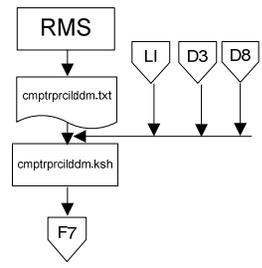
Fact dataflows



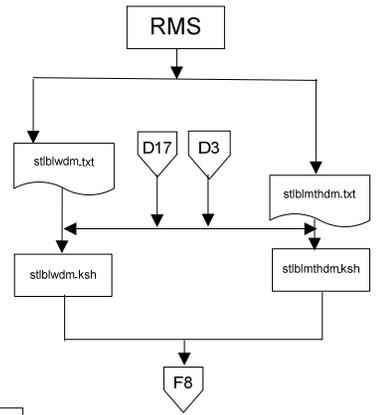
## Fact dataflows



## Competitor pricing

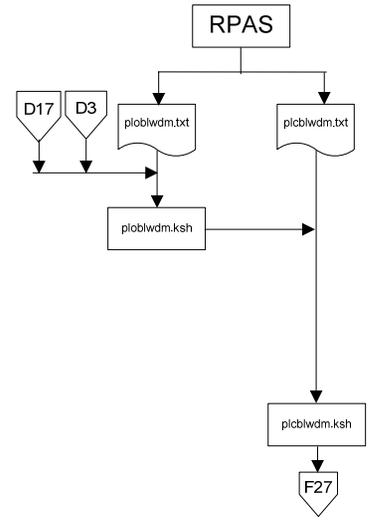


## Stock ledger



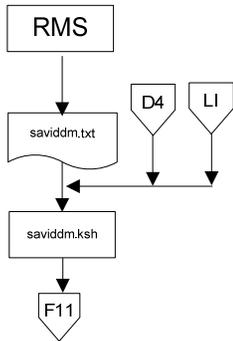
**Note:**  
If 454 time alone is used, run stblwdm.ksh once a week. Run stblmthdm.ksh once a week because some of the stocktake columns are updated on a weekly basis in RMS. If Gregorian time is used, run stblmthdm.ksh once a month.

## Planning

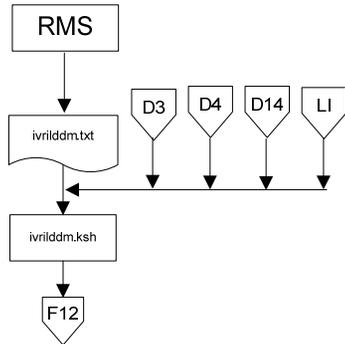


Fact dataflows

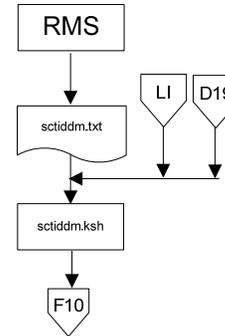
Supplier availability



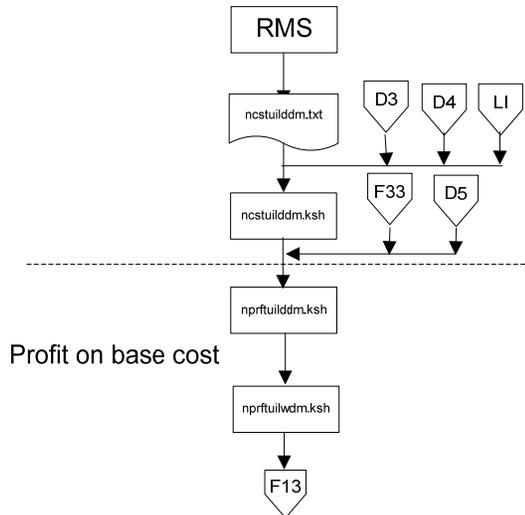
Return to vendor



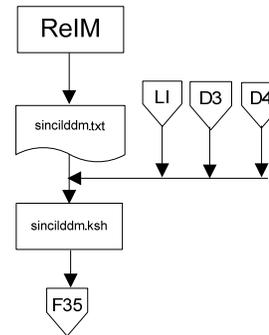
Supplier contract



Net cost

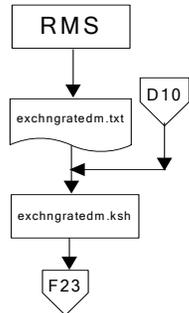


Supplier invoice cost

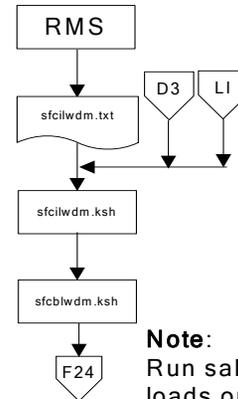


## Fact dataflows

### Exchange rates

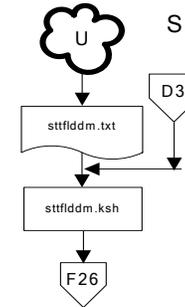


### Sales forecasts

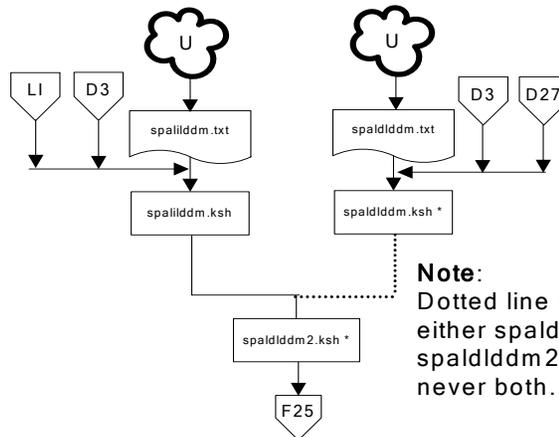


**Note:**  
Run sales forecast fact loads once weekly.

### Store traffic



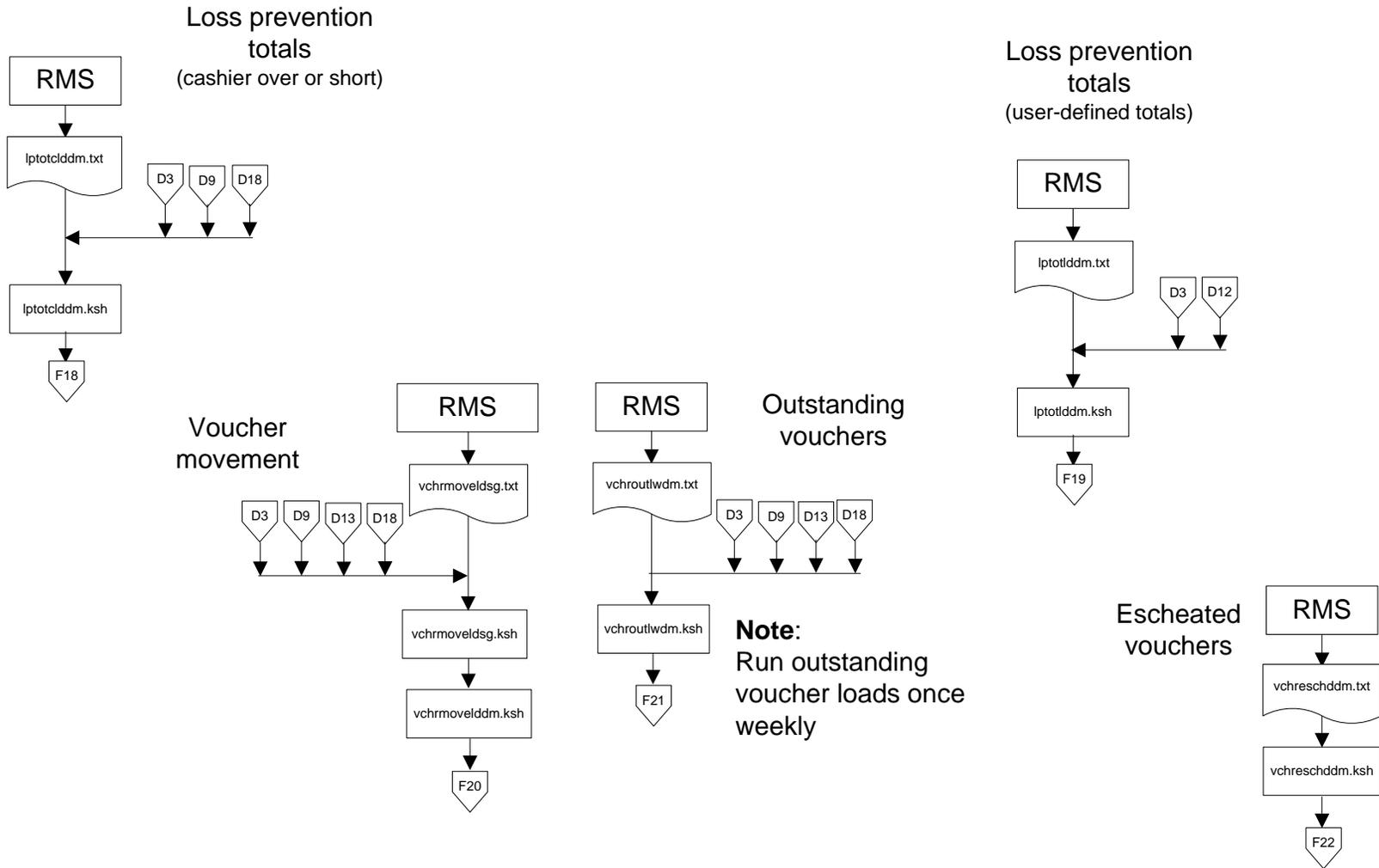
### Space allocation



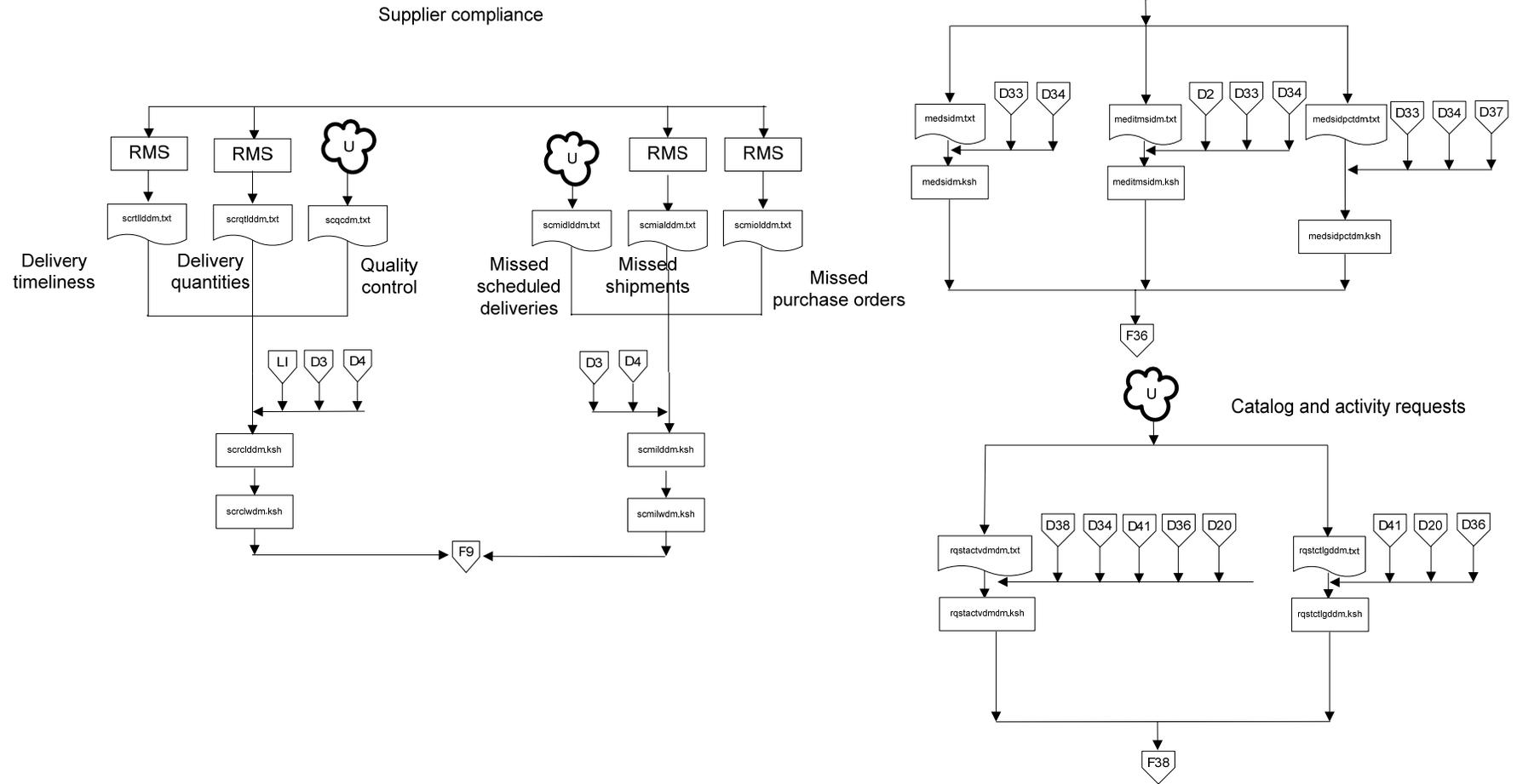
**Note:**  
Dotted line indicates that either spallddm.ksh or spallddm2.ksh runs, never both.

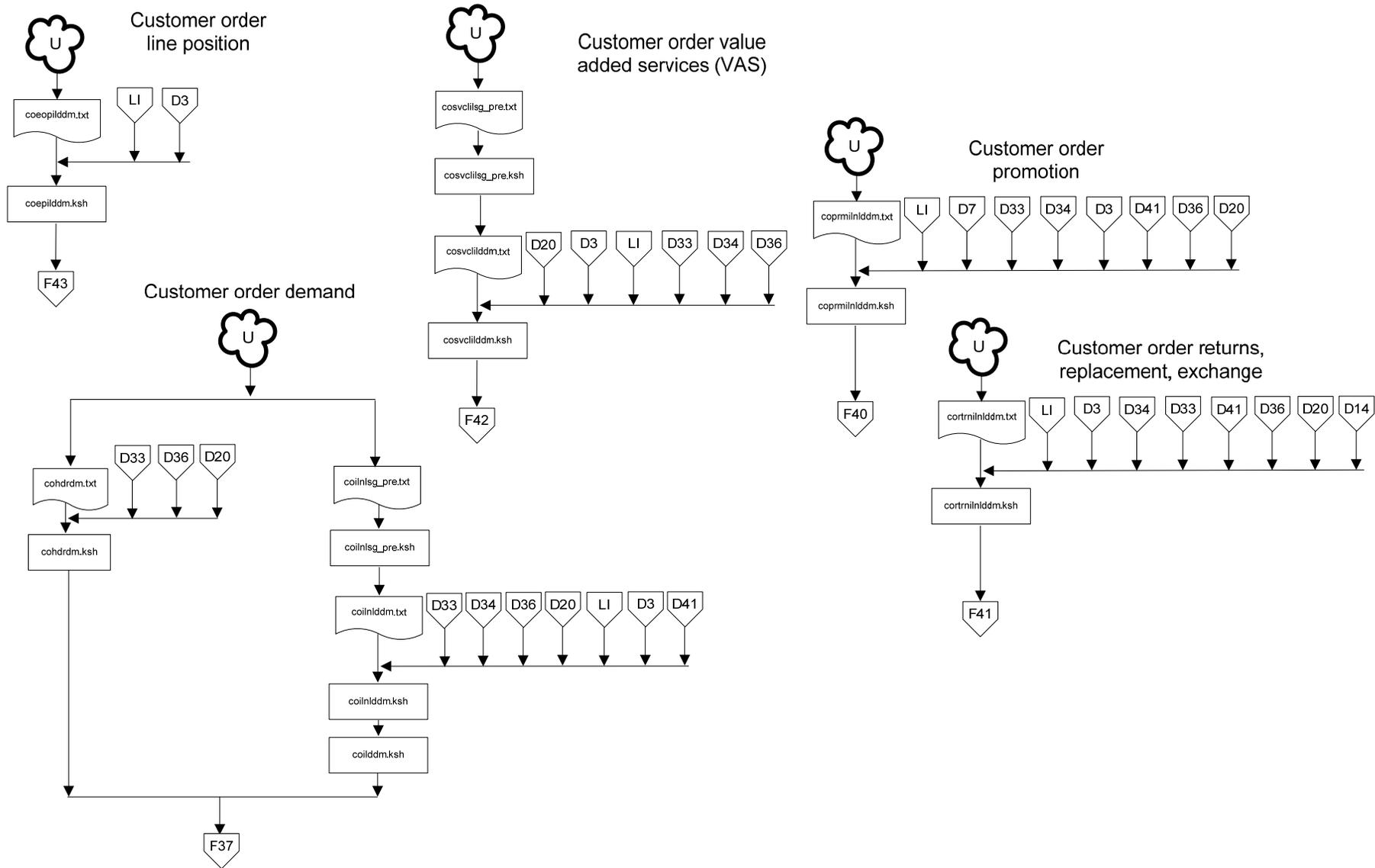


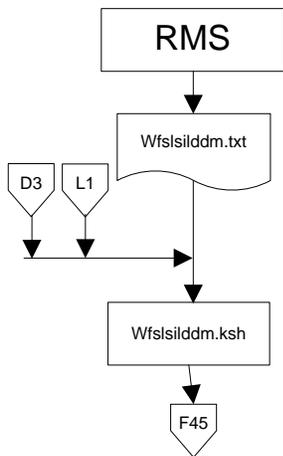
# Fact dataflows



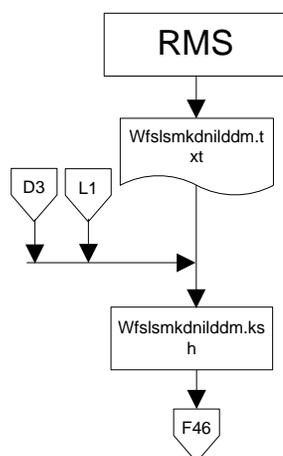
Fact dataflows







### Wholesale/ Franchise Sales



### Wholesale/ Franchise Markdown Sales



---

---

## Program Reference Lists

This chapter serves as a reference to the following RDW programs and reference information:

- Dimension load (RETL Korn shell scripts)
- Fact load (RETL Korn shell scripts)
- Maintenance (RETL Korn shell scripts)
- The PROGRAM\_CONTROL\_DM values listed in the tables that follow are explained in a table at the end of this chapter.

By reviewing the chapter “Program Flow Diagrams,” along with this chapter and “Appendix A – Application Programming Interface (API) Flat File Specifications,” the client should be able to track, down to the table and column level, all the fact and dimension data that flows into RDW.

### Dimension Programs

When referencing the tables below, note the following:

The dimension DM KSH programs do not have an “argument” column in the following table because these programs do not require a path/file\_name parameter. Dimension programs assume source text files will be located in \${MMHOME}/data and named <DM KSH program name>.txt. If clients wish to change this default path, they will need to pass in their own path/file\_name at the command line.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
cdedtlcomdm.ksh	Customer Order Codes	Dimension Load	See notes	cdedtlcomdm.txt	cdedtlcomdm.schema	CDE_DTL_COM_DM	DIM_TOP	UPDATE	Source file supplied by client. This program is a daily dimension snapshot program that processes inserts/updates to dynamic codes (such as Hold Events, Value Added Services Colors, and so on). that originate in a customer order management system. There is also an install script, load_cde_dtl_com_dm.sql, that loads static customer order codes (such as Customer Order Line Types, Customer Order Return Statuses, and so on) to the CDE_DTL_COM_DM table. All static codes have cde_keys up to 99, whereas the dynamic codes all have keys greater than 99.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
cdedtldm.ksh	Codes	Dimension Load	RMS	cdedtldm.txt	cdedtldm.schema	CDE_DTL_DM	DIM_STANDAL ONE	UPDATE	There is an installation script to load this table initially. However, UOM codes will not be updated after the initial loading script. All other codes can be updated/added into the CDE_DTL_DM table daily using the cdedtldm.ksh program.
clctrdm.ksh	Customer Order Dimension	Dimension Load	See notes	clctrdm.txt	clctrdm.schema	CALL_CTR_DM	DIM_TOP	UPDATE	Source file supplied by client.
cmptrdm.ksh	Competitor Dimension	Dimension Load	RMS	cmptrdm.txt	cmptrdm.schema	CMPTR_DM	DIM_TOP	UPDATE	
cmptrlmdm.ksh	Competitor Dimension	Dimension Load	RMS	cmptrlmdm.txt	cmptrlmdm.schema	CMPTR_LO C_MTX_DM	DIM_MTX	INSERT	
cmptrlocdm.ksh	Competitor Dimension	Dimension Load	RMS	cmptrlocdm.txt	cmptrlocdm.schema	CMPTR_LO C_DM	DIM_LOW	UPDATE	
coshptodm.ksh	Customer Order Dimension	Dimension Load	See notes	coshptodm.txt	coshptodm.schema	CO_SHIP_T O_DM	DIM_TOP	UPDATE	Source file supplied by client.
crncycddm.ksh	Currency Code Dimension	Dimension Load	RMS	crncycddm.txt	crncycddm.schema	CRNCY_CD E_DM	DIM_TOP	UPDATE	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
crrdm.ksh	Customer Order Dimension	Dimension Load	See notes	crrdm.txt	crrdm.schema	CARRIER_DM	DIM_TOP	UPDATE	Source file supplied by client.
crrsvcdm.ksh	Customer Order Dimension	Dimension Load	See notes	crrsvcdm.txt	crrsvcdm.schema	CARRIER_SVC_DM	DIM_TOP	UPDATE	Source file supplied by client.
csrddm.ksh	Customer Order Dimension	Dimension Load	See notes	csrddm.txt	csrddm.schema	CSR_DM	DIM_LOW	UPDATE	Source file supplied by client.
custacctndm.ksh	Customer Account Dimension	Dimension Load	See notes	custacctndm.txt	custacctndm.schema	CUST_ACCOUNT_DM	DIM_TOP_DELTA_IDNT	UPDATE_D	Source file supplied by client. Data in this table helps tie the POS sales to the customer keys by associating those sales to a customer account (such as a loyalty account).
custacctntypedm.ksh	Customer Account Dimension	Dimension Load	See notes	custacctntypedm.txt	custacctntypedm.schema	CUST_ACCOUNT_TYPE_DM	DIM_MTX	INSERT	Source file supplied by client.
custclstrdm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	custclstrdm.txt	custclstrdm.schema	CUST_CLUSTER_DM	DIM_STANDALONE	UPDATE	Source file supplied by client.
custclstrimdm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	custclstrimdm.txt	custclstrimdm.schema	CUST_CLUSTER_ITEM_MTX_DM	DIM_MTX	INSERT	Source file supplied by client.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
custclupddm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	custclstrdm.txt	custclstrdm.schema	CUST_DM	DIM_STANDAL ONE	UPDATE	Source file supplied by client. Note that the schema and text files are different from the program name.
custdemogdm.ksh	Customer and Customer Demographics Dimension	Dimension Load		CUST_DM		CUST_MARITAL_DM, CUST_GENDER_DM, CUST_ETHNIC_DM, CUST_DT_OF_BIRTH_DM, CUST_INCOME_DM, CUST_CHILD_DM, CUST_HH_DM	DIM_STANDAL ONE_TABLE	UPDATE	
custdm.ksh	Customer and Customer Demographics Dimension	Dimension Load	See notes	custdm.txt	custdm.schema	CUST_DM	DIM_TOP_DELTA	UPDATE	Source file supplied by the client.
dpctdm.ksh	Depiction Code Dimension	Dimension Load	See notes	dpctdm.txt	dpctdm.schema	DPCT_DM	DIM_TOP	UPDATE	Source file supplied by client.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
emplydm.ksh	Employee Dimension	Dimension Load	RMS	emplydm.txt	emplydm.schema	EMPLY_DM	DIM_TOP	UPDATE	
geocdedm.ksh	Customer Geographic Dimension	Dimension Load	See notes	geocdedm.txt	geocdedm.schema	GEO_CDE_DM	DIM_TOP	UPDATE	Source file supplied by client.
itmclstrcmdm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	itmclstrcmdm.txt	itmclstrcmdm.schema	ITEM_CLSTR_CUST_MTX_DM	DIM_MTX	INSERT	Source file supplied by client.
itmlkupdm.ksh	Product Dimension	Dimension Lookup		PROD_ITEM_DM, PROD_ITEM_SEA SN_MTX_DM		ITEM_KEY_LKUP_TEMP	DIM_STANDAL ONE_TABLE	UPDATE	Builds item lookup temp table daily to aid performance of fact loads.
maralmdm.ksh	Market Data Dimension	Dimension Load	See notes	maralmdm.txt	maralmdm.schema	MKT_AREA LOC_MTX_DM	DIM_MTX	INSERT	Source file supplied by client.
maralvldm.ksh	Market Data Dimension	Dimension Load	See notes	maralvldm.txt	maralvldm.schema	MKT_AREA LEVEL1_DM, MKT_AREA LEVEL2_DM, MKT_AREA LEVEL3_DM	DIM_STANDAL ONE	UPDATE	Source file supplied by client.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
mdepdm.ksh	Market Data Dimension	Dimension Load	See notes	mdepdm.txt	mdepdm.schema	MKT_PROD - DEPT_DM, MKT_PROD  - DEPT_MTX _DM	DIM_STANDAL ONE	UPDATE	Source file supplied by client.
meddm.ksh	Media	Dimension Load	See notes	meddm.txt	meddm.schema	MEDIA_DM	DIM_TOP	UPDATE	Source file supplied by client. Although the MEDIA_DM table contains some 'fact' columns, this data is processed as a dimension. The media_dm_v view is built from the MEDIA_DM table and represents the dimensional lookup for related fact tables.
medlmdm.ksh	Media	Dimension Load	See notes	meddm.txt	meddm.schema	MEDIA_LO C_ MTX_DM	DIM_STANDAL ONE	UPDATE	Source file supplied by client. Note that medlmdm.ksh uses meddm.txt and meddm.schema.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_ DM.program_type	Program_Contr ol_ DM.operation_type	Notes
mitmdm.ksh	Market Data Dimension	Dimension on Load	See notes	mitmdm.txt	mitmdm.schema	MKT_PROD - ITEM_DM, MKT_PROD  - ITEM_MTX_DM	DIM_STANDAL ONE	UPDATE	Source file supplied by client.
orgaradm.ksh	Organization Dimension	Dimension on Load	RMS	orgaradm.txt	orgaradm.schema	ORG_AREA - DM	DIM_LOW	UPDATE	
orgchandm.ksh	Organization Dimension	Dimension on Load	RMS	orgchandm.txt	orgchandm.schema	ORG_CHANNEL_DM	DIM_STANDAL ONE	UPDATE	
orgchndm.ksh	Organization Dimension	Dimension on Load	RMS	orgchndm.txt	orgchndm.schema	ORG_CHAIN_DM	DIM_LOW	UPDATE	
orgdisdm.ksh	Organization Dimension	Dimension on Load	RMS	orgdisdm.txt	orgdisdm.schema	ORG_DISTT - DM	DIM_LOW	UPDATE	
orgllmdm.ksh	Organization Dimension	Dimension on Load	RMS	orgllmdm.txt	orgllmdm.schema	ORG_LOCL ST_MTX_DM	DIM_MTX	INSERT	
orglocdm.ksh	Organization Dimension	Dimension on Load	RMS	orglocdm.txt	orglocdm.schema	ORG_LOC_DM	DIM_LOW	UPDATE	
orgloldm.ksh	Organization Dimension	Dimension on Load	RMS	orgloldm.txt	orgloldm.schema	ORG_LOCL ST_DM	DIM_TOP_F	UPDATE_D	
orgltmdm.ksh	Organization Dimension	Dimension on Load	RMS	orgltmdm.txt	orgltmdm.schema	ORG_LOC_Trait_MTX_DM	DIM_MTX	INSERT	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
orgltrdm.ksh	Organization Dimension	Dimension Load	RMS	orgltrdm.txt	orgltrdm.schema	ORG_LOC_TRAIT_DM	DIM_TOP_IDNT	UPDATE	
orglwmdm.ksh	Organization Dimension	Dimension Load	See notes	ORG_LOC_DM		ORG_LOC_WK_MTX_DM	DIM_STANDAL ONE_TABLE	UPDATE	Processes comparable location data at week.
orglwmdm.ksh	Organization Dimension	Dimension Load	See notes	orglwmdm.txt	orglwmdm.schema	ORG_LOC_WK_MTX_DM	DIM_STANDAL ONE	UPDATE	Processes comparable location data at week. Source file supplied by client.
orgrgndm.ksh	Organization Dimension	Dimension Load	RMS	orgrgndm.txt	orgrgndm.schema	ORG_REGN_DM	DIM_LOW	UPDATE	
phasdm.ksh	Product Season Dimension	Dimension Load	RMS	phasdm.txt	phasdm.schema	PHASE_DM	DIM_LOW	UPDATE	
plnsendm.ksh	Plan Season Dimension	Dimension Load	See notes	plnsendm.txt	plnsendm.schema	PLN_SEAS_N_DM, TIME_PLN_STD_BY_WEEK_DM, PLN_SEAS_N_WK_MTX_DM	DIM_TOP_F	UPDATE_DL	Source file supplied by client.
prdclsdm.ksh	Product Dimension	Dimension Load	RMS	prdclsdm.txt	prdclsdm.schema	PROD_CLASS_DM	DIM_LOW	UPDATE	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
prdcmpdm.ksh	Company Dimension	Dimension Load	RMS	prdcmpdm.txt	prdcmpdm.schema	CMPY_DM	DIM_TOP	UPDATE_L	
prddepdm.ksh	Product Dimension	Dimension Load	RMS	prddepdm.txt	prddepdm.schema	PROD_DEP_T_DM	DIM_LOW	UPDATE	
prddiffdm.ksh	Product Dimension	Dimension Load	RMS	prddiffdm.txt	prddiffdm.schema	PROD_DIFF_DM	DIM_MTX	UPDATE	
prddivdm.ksh	Product Dimension	Dimension Load	RMS	prddivdm.txt	prddivdm.schema	PROD_DIV_DM	DIM_LOW	UPDATE	
prddtypdm.ksh	Product Dimension	Dimension Load	RMS	prddtypdm.txt	prddtypdm.schema	PROD_DIFF_TYPE_DM	DIM_STANDALONE	UPDATE	<p>1. No more than 30 DIFF types can exist between the text file and RDW. See Appendix A, "Application programming interface (API) flat file specifications", for more information.</p> <p>2. For more information about DIFF type processing and the RDW front end, see the RDW Middle Tier Installation Guide.</p>
prdgrpdm.ksh	Product Dimension	Dimension Load	RMS	prdgrpdm.txt	prdgrpdm.schema	PROD_GRP_DM	DIM_LOW	UPDATE	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
prdisldm.ksh	Item-Supplier-Location Cross Dimension	Dimension Load	RMS	prdisldm.txt	prdisldm.schema	PROD_ITEM_SUPP_LOC_DM	DIM_MTX	INSERT	
prditmclstrdm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	prditmclstrdm.txt	prditmclstrdm.schema	PROD_ITEM_CLSTR_DM	DIM_STANDALONE	UPDATE	Source file supplied by client.
prditmclupddm.ksh	Customer and Product Clustering Dimension	Dimension Load	See notes	prditmclstrdm.txt	prditmclstrdm.schema	PROD_ITEM_DM	DIM_STANDALONE	UPDATE	Source file supplied by client. Note that the text and the schema file names are different from the program name.
prditmdm.ksh	Product Dimension	Dimension Load	RMS	prditmdm.txt	prditmdm.schema	PROD_ITEM_DM	DIM_LOW	UPDATE_L	
prditmldm.ksh	Product Dimension	Dimension Load	RMS	prditmldm.txt	prditmldm.schema	PROD_ITEMLST_DM	DIM_TOP_F	UPDATE_D	
prditmlmdm.ksh	Product Dimension	Dimension Load	RMS	prditmlmdm.txt	prditmlmdm.schema	PROD_ITEMLST_MTX_DM	DIM_MTX	INSERT	
prditmltmdm.ksh	Item-Location Trait Cross Dimension	Dimension Load	RMS	prditmltmdm.txt	prditmltmdm.schema	PROD_ITEM_LOC_TRAITS_MTX_DM	DIM_MTX	INSERT	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
prditmsmdm.ksh	Product Dimension	Dimension Load	RMS	prditmsmdm.txt	prditmsmdm.schema	PROD_SEAS_N_ITEM_MTX_DM	DIM_STANDAL ONE	UPDATE	
prditmuddm.ksh	Product Dimension	Dimension Load	RMS	prditmuddm.txt	prditmuddm.schema	PROD_ITEM_UDA_DTL_DM	DIM_TOP_F	UPDATE_DL	
prditmuhdm.ksh	Product Dimension	Dimension Load	RMS	prditmuhdm.txt	prditmuhdm.schema	PROD_ITEM_UDA_HEA_DM	DIM_TOP_F	UPDATE_D	
prditmumdm.ksh	Product Dimension	Dimension Load	RMS	prditmumdm.txt	prditmumdm.schema	PROD_ITEM_UDA_MTX_DM	DIM_STANDAL ONE	UPDATE	
prdlvldm.ksh	Product Dimension	Dimension Load	RMS	PROD_ITEM_DM		PROD_LEV_EL1_DM, PROD_LEV_EL2_DM, PROD_LEV_EL3_DM	DIM_STANDAL ONE_TABLE	UPDATE	
prdpimdm.ksh	Product Dimension	Dimension Load	RMS	prdpimdm.txt	prdpimdm.schema	PROD_PACK_ITEM_MTX_DM	DIM_STANDAL ONE	UPDATE	
prdsbcdm.ksh	Product Dimension	Dimension Load	RMS	prdsbcdm.txt	prdsbcdm.schema	PROD_SBC_DM	DIM_LOW	UPDATE	
prmdtldm.ksh	Promotion Dimension	Dimension Load	RPM	prmdtldm.txt	prmdtldm.schema	PRMTN_DTL_DM	DIM_LOW	UPDATE	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Control_DM.operation_type	Notes
prmevtdm.ksh	Promotion Dimension	Dimension Load	RPM	prmevtdm.txt	prmevtdm.schema	PRMTN_EVENT_DM	DIM_TOP	UPDATE	
prmhdrdm.ksh	Promotion Dimension	Dimension Load	RPM	prmhdrdm.txt	prmhdrdm.schema	PRMTN_HEAD_DM	DIM_LOW	UPDATE	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_operation_type	Notes
prmtndm_pre.ksh	Promotion Dimension	Dimension Pre-load	See notes	prmdtldm_dtc.txt prmdtldm.txt prmhdrdm.txt	prmdtldm.schema prmhdrdm.schema	prmdtldm.txt prmhdrdm.txt	DIM_STANDALONE	UPDATE	This program allows a retailer with RMS and (DTC) promotions to combine that dimensional data for loading to RDW. The program combines RMS promotion head, promotion detail, and DTC promotion detail together and generates four output files: prmhdrdm.txt, prmdtldm.txt, prmhdrdm_rpm.txt and prmdtldm_rpm.txt. Text files prmhdrdm.txt and prmdtldm.txt are used for the RDW dimension head and detail load programs (prmhdrdm.ksh and prmdtldm.ksh). Text files prmhdrdm_rpm.txt and prmdtldm_rpm.txt are used internally by this program only. The text files prmhdrdm.ksh and prmdtldm.ksh are kept after the program runs to allow the client to rerun the program if necessary. A stand-alone client, which provides RDW promotion dimension with only one source system, can skip this program and run prmhdrdm.ksh and prmdtldm.ksh directly by using source files prmhdrdm.txt and prmdtldm.txt.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
regngrpdm.ksh	Regionality Dimension	Dimension Load	RMS	regngrpdm.txt	regngrpdm.schema	REGIONALITY_GRP_DIM	DIM_TOP_IDNT	UPDATE_D	
regnmtxdm.ksh	Regionality Dimension	Dimension Load	RMS	regngrpdm.txt	regnmtxdm.schema	REGIONALITY_MTX_DIM	DIM_MTX	INSERT	
rgstrdm.ksh	Register Dimension	Dimension Load	RMS	ttldmdm.txt, rgstrdm.txt	ttldmdm.schema, rgstrdm.schema	RGSTR_DM	DIM_TOP	INSERT	
rsndm.ksh	Reason Dimension	Dimension Load	RMS	rsndm.txt	rsndm.schema	REASN_DM	DIM_TOP	UPDATE	
seasndm.ksh	Product Season Dimension	Dimension Load	RMS	seasndm.txt	seasndm.schema	SEASN_DM, TIME_STD_BY_DAY_DIM, TIME_STD_BY_WK_DIM	DIM_TOP	UPDATE_L	
selitmdm.ksh	Media	Dimension Load	See notes	selitmdm.txt	selitmdm.schema	SELLING_ITEM_DM	DIM_TOP	UPDATE	Source file supplied by client.
subtrantypedm.ksh	Sub-Transaction Type Dimension	Dimension Load	RMS	subtrantypedm.txt	subtrantypedm.schema	SUB_TRAN_TYPE_DM	DIM_TOP	UPDATE	
supctrdm.ksh	Supplier Dimension	Dimension Load	RMS	supctrdm.txt	supctrdm.schema	SUPP_CNTRCT_DM	DIM_LOW	UPDATE	
supsupdm.ksh	Supplier Dimension	Dimension Load	RMS	supsupdm.txt	supsupdm.schema	SUPP_DM	DIM_TOP	UPDATE_L	
suptrmdm.ksh	Supplier Dimension	Dimension Load	RMS	suptrmdm.txt	suptrmdm.schema	SUPP_TRAIT_MTX_DM	DIM_MTX	INSERT	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Contr ol_DM.program_type	Program_Contr ol_DM.operation_type	Notes
suptrtdm.ksh	Supplier Dimension	Dimension on Load	RMS	suptrtdm.txt	suptrtdm.schema	SUPP_TRAIT_DM	DIM_TOP_IDNT	UPDATE	
tndrtypedm.ksh	Tender Type Dimension	Dimension on Load	RMS	tndrtypedm.txt	tndrtypedm.schema	TNDR_TYPE_DM	DIM_TOP	UPDATE	
ttltypdm.ksh	Total Type Dimension	Dimension on Load	RMS	ttltypdm.txt	ttltypdm.schema	TOTAL_TYPE_DM	DIM_TOP	UPDATE	
Wfcustdm.ksh	Organization Dimension (wholesale/franchise customer)	Dimension on Load	RMS	Wfcustdm.txt	Wfcustdm.schema	WF_CUST_DM	DIM_LOW	UPDATE	
Wfcustgrpdm.ksh	Organization Dimension (wholesale/franchise customer group)	Dimension on Load	RMS	Wfcustgrpdm.txt	Wfcustgrpdm.schema	WF_CUST_GRP_DM	DIM_TOP	UPDATE	

## Fact Programs

When referencing the tables below, note the following:

- All aggregation programs will derive data from temporary table \*\_TEMP that is created by the program that loads lowest-level facts from a source system for the fact datamart. That is, slsmkdnilddm.ksh is at item-location-day level. For markdowns, day is the lowest level for time, and week is the next level for time. The lowest level (or base) fact load program, slsmkdnilddm.ksh, needs to create a temp table for the next level aggregation. This temp table will hold today's changes/new facts and will be used by slsmkdnildwm.ksh to aggregate today's changes to the target week table. The "Source Table or File" column for fact aggregation programs, therefore, is left blank in the program reference list.
- The "Arguments" column lists all the command line parameters that exist in addition to the program name itself.
- For the base fact DM Kornshell programs below, the data file path/file\_name is a required command line parameter. The "Arguments" column contains the RDW default data file directory path and file name, such as \${MMHOME}/data/cmptrcilddm.txt. If clients wish to change this default path, they will need to substitute their own path/file\_name at the command line.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
cmptrprcilddm.ksh	Competitor Pricing	Base Fact with compressed table	RMS	cmptrprcilddm.txt	cmptrprcilddm.schema	COMP_PRICING_ITEM_LD_DM, CMPTR_PRICING_IL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/cmptrprcilddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables. This program allows backposted data to process to compressed target table.
coeopilddm.ksh	Customer Order Line Position	Base Fact	See notes	coeopilddm.txt	coeopilddm.schema	CO_EOP_ITEM_LD_DM	BASEFACT_INS	INSERT_G	\${MMHOME}/data/coeopilddm.txt	Source file supplied by client.
cohdrdm.ksh	Customer Order	Base Fact	See notes	cohdrdm.txt	cohdrdm.schema	CO_HDR_DM	BASEFACT_UPD	UPDATE_A	\${MMHOME}/data/cohdrdm.txt	Source file supplied by client.
coilddm.ksh	Customer Order	Aggregation				CO_ITEM_LD_DM	FACT_STANDALONE	UPDATE		This program aggregates customer order line transactions for the current day.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
coilnlddm.ksh	Customer Order	Base Fact		coilnlddm.txt	coilnlddm.schema	CO_ITEM_LINE_LD_SG, CO_ITEM_LINE_LD_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/coilnlddm.txt	If the custom order line is not completed today, records will be loaded into the CO_ITEM_LINE_LD_SG table. If the custom order is completed (cancelled or shipped) today, the completed records are removed from the CO_ITEM_LINE_LD_SG table and loaded into the CO_ITEM_LINE_LD_DM table.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
coilnls_g_pre.ksh	Customer Order	Base Fact Transformation	See notes	coilnls_g_pre.txt	coilnls_g_pre.schema	CO_ITEM_LL_CUR_SG, coilnlsddm.txt	FACT_STANDA LONE	UPDATE	\${MMHOME}/data/coilnls_g_pre.txt \${MMHOME}/data/coilnlsddm.txt	Source file supplied by client.  This program processes the incoming file coilnls_g_pre.txt. The results are written into an output file, coilnlsddm.txt. The current day's open CO line record will also be inserted/updated into the table, CO_ITEM_LL_CUR_SG
coprmilnlddm.ksh	DTC Promotion	Base Fact	See notes	coprmilnlddm.txt	coprmilnlddm.schema	CO_PRMTN_ITEM_LLD_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/coprmilnlddm.txt	Source file supplied by client.
cortrnlnlddm.ksh	DTC Returns	Base Fact	See notes	cortrnlnlddm.txt	cortrnlnlddm.schema	CO_RTRN_ITEM_LLD_DM	BASEFACT_UPD	UPDATE_A	\${MMHOME}/data/cortrnlnlddm.txt	Source file supplied by client.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
cosvclilsg_pre.ksh	Value Added Services	Base Fact Transformation	See notes	cosvclilsg_pre.txt	cosvclilsg_pre.schema	CO_SVC_ITEM_LL_CUR_SG, cosvclilddm.txt	FACT_STANDALONE	UPDATE	\${MMHOME}/data/cosvclilsg_pre.txt \${MMHOME}/data/cosvclilddm.txt	Source file supplied by client. This program processes the incoming file cosvclilsgpre.txt. The results are written into an output file, cosvclilddm.txt. The current day's CO service line record will also be inserted/update into the table CO_SVC_ITEM_LL_CUR_SG.
cosvclilddm.ksh	Value Added Services	Base Fact		cosvclilddm.txt	cosvclilddm.schema	CO_SVC_ITEM_LLD_DM	BASEFACT_INS	INSERT	\${MMHOME}/data/cosvclilddm.txt	
cstislddm.ksh	Cost	Base Fact with compressed table	RMS	cstislddm.txt	cstislddm.schema	COST_ITEM_SUPP_LD_DM, COST_ISL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/cstislddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
exchngratedm.ksh	Exchange Rates	Base Fact with insert	RMS	exchngratedm.txt	exchngratedm.schema	EXCHNG_RATE_CRNCY_DATA_DM	BASEFACT_INS	INSERT	\${MMHOME}/data/exchngratedm.txt	Compressed program without cur table.
invblddm.ksh	Inventory Position	Positional Aggregation				INV_SBC_LD_DM	FACT_AGG_POS	UPDATE_ME		
invblwdm.ksh	Inventory Position	Positional Aggregation				INV_SBC_LD_DM	FACT_AGG_POS	UPDATE_F		
invdlldm.ksh	Inventory Position	Positional Aggregation				INV_DEPT_LD_DM	FACT_AGG_POS	UPDATE_G		
invdlwdm.ksh	Inventory Position	Positional Aggregation				INV_DEPT_LD_DM	FACT_AGG_POS	UPDATE_F		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
invilddm.ksh	Inventory Position	Base Fact with compressed table	RMS	invilddm.txt	invilddm.schema	INV_ITEM_LD_DM, INV_IL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/invilddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables. Inv position cannot be back posted.
invilwdm.ksh	Inventory Position	Positional Aggregation				INV_ITEM_LD_DM	FACT_AGG_POS	INSERT		
ivailddm.ksh	Inventory Adjustment	Base Fact with incremental update	RMS	ivailddm.txt	ivailddm.schema	INV_ADJ_ITEM_LD_DM	BASEFACT_INCREMENT_UPD	UPDATE	\${MMHOME}/data/ivailddm.txt	
ivrcplddm.ksh	Inventory Receipts	Aggregation				INV_RCPTS_SBC_LD_DM	FACT_AGG_STD	UPDATE_S		
ivrcplwdm.ksh	Inventory Receipts	Aggregation				INV_RCPTS_SBC_LW_DM	FACT_AGG_STD	UPDATE_F		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
ivrcpilddm.ksh	Inventory Receipts	Base Fact with incremental update	RMS	ivrcpilddm.txt	ivrcpilddm.schema	INV_RCPTS_ITEM_LD_DM	BASEFACT_INCR_UPD	UPDATE_G	\${MMHOME}/data/ivrcpilddm.txt	
ivrcpilwdm.ksh	Inventory Receipts	Aggregation				INV_RCPTS_ITEM_LW_DM	FACT_AGG_STD	UPDATE_FS		
ivrilddm.ksh	Return to Vendor	Base Fact with update	RMS	ivrilddm.txt	ivrilddm.schema	INV_RTV_SUPP_ITEM_LD_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/ivrilddm.txt	
ivtblddm.ksh	Inventory Transfers	Aggregation				INV_TSF_SBC_LD_DM	FACT_AGG_STD	UPDATE_S		
ivtblwdm.ksh	Inventory Transfers	Aggregation				INV_TSF_SBC_LW_DM	FACT_AGG_STD	UPDATE_F		
ivtilddm.ksh	Inventory Transfers	Base fact with incremental update	RMS	ivtilddm.txt	ivtilddm.schema	INV_TSF_ITEM_LD_DM	BASEFACT_INCR_UPD	UPDATE_A	\${MMHOME}/data/ivtilddm.txt	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
ivtilwdm.ksh	Inventory Transfers	Aggregation				INV_TSF_ITEM_LW_DM	FACT_AGG_STD	UPDATE_FS		
ivuilddm.ksh	Unavailable Inventory	Base Fact with update, for compressed table	RMS	ivuilddm.txt	ivuilddm.schema	INV_UNAVL_ITEM_LD_DM, INV_UNAVL_IL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/ivuilddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables.
lptldmdm.ksh	Loss Prevention Transactions(voids, no sales)	Base Fact with incremental update	RMS	lptldmdm.txt	lptldmdm.schema	LP_TRAN_LM_DM	BASEFACT_INCR_UPD	UPDATE_G	\${MMHOME}/data/lptldmdm.txt	
lptldqdm.ksh	Loss Prevention Transactions(voids, no sales)	Aggregation				LP_TRAN_LQ_DM	FACT_AGG_STD	UPDATE_FS		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
lptotclddm.ksh	Loss Prevention Totals (cashier over or short)	Base Fact with incremental update	RMS	lptotclddm.txt	lptotclddm.schema	LP_TOT_CS HR_LD_DM	BASEFACT_INCR_UPD	UPDATE_G	\${MMHOME}/data/lptotclddm.txt	
lptotlddm.ksh	Loss Prevention Totals (user defined totals)	Base Fact with incremental update	RMS	lptotlddm.txt	lptotlddm.schema	LP_TOT_LD_DM	BASEFACT_INCR_UPD	UPDATE_G	\${MMHOME}/data/lptotlddm.txt	
meditmsidm.ksh	Media (media/selling item/item)	Base Fact with update	See notes	meditmsidm.txt	meditmsidm.schema	MEDIA_ITEM_SI_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/meditmsidm.txt	Source file supplied by client. This program is processed as a fact even though there is no time element associated with the facts.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
medsidm.ksh	Media (media/selection item)	Base Fact with update	See notes	medsidm.txt	medsidm.schema	MEDIA_SI_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/medsidm.txt	Source file supplied by client.  This program is processed as a fact even though there is no time element associated with the facts.
medsidpctdm.ksh	Media (media/selection item/depiction code)	Base Fact with update	See notes	medsidpctdm.txt	medsidpctdm.schema	MEDIA_SI_DM PCT_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/medsidpctdm.txt	Source file supplied by client.  This program is processed as a fact even though there is no time element associated with the facts.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
mslsdlwdm.ksh	Market Sales Data	Fact Stand alone	See Notes	mslsdlwdm.txt, MKT_PROD_DEPT_DM, TIME_WK_DM, MKT_AREA_LEVEL1_DM, MKT_AREA_LEVEL2_DM, MKT_AREA_LEVEL3_DM	mslsdlwdm.schema	MKT_SLS_DEPT_LEVEL1_W_DM, MKT_SLS_DEPT_LEVEL2_W_DM, MKT_SLS_DEPT_LEVEL3_W_DM	FACT_STANDALONE	UPDATE	\${MMHOME}/data/mslsdlwdm.txt	This program is using the fact matrix concept. Source file supplied by client.
mslsilwdm.ksh	Market Sales Data	Fact stand alone	See notes	mslsilwdm.txt, MKT_PROD_ITEM_DM, TIME_WK_DM, MKT_AREA_LEVEL1_DM, MKT_AREA_LEVEL2_DM, MKT_AREA_LEVEL3_DM	mslsilwdm.schema	MKT_SLS_ITEM_LEVEL1_W_DM, MKT_SLS_ITEM_LEVEL2_W_DM, MKT_SLS_ITEM_LEVEL3_W_DM	FACT_STANDALONE	UPDATE	\${MMHOME}/data/mslsilwdm.txt	This program is using the fact matrix concept. Source file supplied by client.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
ncstuilddm.ksh	Net Cost	Base Fact with update, for compressed table	RMS	ncstuilddm.txt	ncstuilddm.schema	NET_COST_SUPP_ITEM_LD_DM, NET_COST_SIL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/ncstuilddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables. This program does not allow backposted data.
nprftuilddm.ksh	Profit on Base Cost	Derivation, see notes		SLS_ITEM_LD_DM, NET_COST_SUPP_ITEM_LD_DM, PROD_ITEM_SUPP_LOC_DM, TIME_DAY_DM		NET_PRFT_SUPP_ITEM_LD_DM	FACT_STANDALONE	UPDATE		This program combines Merchandise Sales data and Net Cost data to provide alternate profit calculations. The facts are not the same as the profit facts on the Sales Transaction tables.
nprftuilwdm.ksh	Profit on Base Cost	Aggregation				NET_PRFT_SUPP_ITEM_LW_DM	FACT_AGG_DW	UPDATE_F		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
plcblwdm.ksh	Planning	Base Fact with update	MFP	plcblwdm.txt	plcblwdm.schema	PLN_CURR_SBC_LW_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/plcblwdm.txt	.
ploblwdm.ksh	Planning	Base Fact with update	MFP	ploblwdm.txt	ploblwdm.schema	PLN_ORIG_SBC_LW_DM, PLN_CURR_SBC_LW_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/ploblwdm.txt	.
prcilddm.ksh	Pricing	Base Fact with update, for compressed tables	RMS	prcilddm.txt	prcilddm.schema	PRICING_ITEM_LD_DM, PRICING_IL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/prcilddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables.
rplcilddm.ksh	Replacements	Base Fact with incremental update	RMS	rplcilddm.txt	rplcilddm.schema	RPLC_ITEM_LD_DM	BASEFACT_INC_R_UPD	UPDATE	\${MMHOME}/data/rplcilddm.txt	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
rqstactvdmdm.ksh	Customer Request	Base Fact with insert	See notes	rqstactvdmdm.txt	rqstactvdmdm.schema	RQST_ACTV _MIN_DM	BASEFACT_INS	INSERT	\${MMHOME}/data/rqstactvdmdm.txt	Source file supplied by client.
rqstctlgddm.ksh	Customer Request	Base Fact with insert	See notes	rqstctlgddm.txt	rqstctlgddm.schema	RQST_CTLG _DAY_DM	BASEFACT_INS	INSERT	\${MMHOME}/data/rqstctlgddm.txt	Source file supplied by client.
saviddm.ksh	Supplier Availability	Base Fact with update for compressed tables	RMS	saviddm.txt	saviddm.schema	SUPP_AVAIL_ ITEM_DAY_ DM, SUPP_AVAIL_ L_ CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/saviddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
scmidddm.ksh	Supplier Compliance	Base Fact with insert	See notes	scmidddm.txt , scmialddm.txt , scmiolddm.txt	scmidddm.schema, scmialddm.schema, scmiolddm.schema	SCMP_RCPT - MISS_LD_D M	FACT_MATRIX	UPDATE_A	\${MMHOME}/data/scmidddm.txt \${MMHOME}/data/scmialddm.txt \${MMHOME}/data/scmiolddm.txt	This program joins facts supplied in three text files. Missed shipments (scmialddm.txt) and missed purchase orders (scmiolddm.txt) are supplied by RMS. Missed scheduled deliveries (scmidddm.txt) is supplied by the retailer.
scmilwdm.ksh	Supplier Compliance	Aggregation				SCMP_RCPT - MISS_LW_D M	FACT_AGG_STD	UPDATE_FS		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
scrclddm.ksh	Supplier Compliance	Base Fact with insert	See notes	scrtilddm.txt, scrqtlddm.txt, scqcdm.txt	.schema, scrqtlddm.schema, scqcdm.schema	SCMP_RCPT - ITEM_LD_DM	FACT_STANDA LONE	UPDATE	\${MMHOME}/data/scrtilddm.txt \${MMHOME}/data/scrqtlddm.txt \${MMHOME}/data/scqcdm.txt	This program joins facts supplied in three text files. Delivery timeliness (scrtilddm.txt) and delivery quantities (scrqtlddm.txt) are supplied by RMS. Quality control (scqcdm.txt) is supplied by the retailer.
scrclwdm.ksh	Supplier Compliance	Aggregation				SCMP_RCPT - ITEM_LW_DM	FACT_AGG_DW	UPDATE_FS		
sctiddm.ksh	Supplier Contract	Base Fact with update for compressed tables	RMS	sctiddm.txt	sctiddm.schema	SUPP_CNTR CT_ITEM_DAY_DM, SUPP_CNTR CT_I_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/sctiddm.txt	See chapter, "Compression and Partitioning" for more information on compression and cur tables.
sfcbldm.ksh	Sales Forecasts	Aggregation		See notes on the top for aggregation.		SLS_FCST_SB C_LW_DM	FACT_AGG_POS	UPDATE_GF		This program runs weekly.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
sfcilwdm.ksh	Sales Forecasts	Base Fact with update	RMS	sfcilwdm.txt	sfcilwdm.schema	SLS_FCST_ITEM_LW_DM	BASEFACT_UPD	UPDATE_A		This program runs weekly.
sincilddm.ksh	Supplier Invoice Cost	Base Fact with insert	ReIM	sincilddm.txt	sincilddm.schema	SUPP_INVC_COST_ITEM_LD_DM	BASEFACT_INS	INSERT	\${MMHOME}/data/sincilddm.txt	
slsblddm.ksh	Sales and Returns Transactions	Aggregation				SLS_SBC_LD_DM	FACT_AGG_STD	UPDATE		
slsblgmthdm.ksh	Sales and Returns Transactions	Aggregation				SLS_SBC_LGMTH_DM	FACT_AGG_STD	UPDATE_KO		This module should not be run and the table should be dropped if Gregorian time is not populated.
slsblwdm.ksh	Sales and Returns Transactions	Aggregation				SLS_SBC_LW_DM	FACT_AGG_STD	UPDATE_FS		
slsdlldm.ksh	Sales and Returns Transactions	Aggregation				SLS_DEPT_LD_DM	FACT_AGG_STD	UPDATE_S		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
slsdlwdm.ksh	Sales and Returns Transactions	Aggregation				SLS_DEPT_LW_DM	FACT_AGG_STD	UPDATE_F		
slsilddm.ksh	Sales and Returns Transactions	Aggregation				SLS_ITEM_LD_DM	FACT_AGG_STD	UPDATE_S		
slsildmdm.ksh	Sales and Returns Transactions	Base Fact with incremental update	RMS	slsildmdm.txt	slsildmdm.schema	SLS_ITEM_LM_DM	BASEFACT_INCR_UPD	UPDATE_G	#{MMHOM E}/data /slsildmd m.txt	
slsilgmthdm.ksh	Sales and Returns Transactions	Aggregation				SLS_ITEM_LGMTH_DM	FACT_AGG_STD	UPDATE_KO		This module should not be run and the table should be dropped if Gregorian time is not populated.
slsilwdm.ksh	Sales and Returns Transactions	Aggregation				SLS_ITEM_LW_DM	FACT_AGG_STD	UPDATE_F		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
slsilmdliddm.ksh	Sales and Returns Transactions	Aggregation				SLS_ITEM_LMD_LD_DM	FACT_AGG_STD	UPDATE_S		
slsilmdlwdm.ksh	Sales and Returns Transactions	Aggregation				SLS_ITEM_LMD_LW_DM	FACT_AGG_STD	UPDATE_F		
slsmkdnliddm.ksh	Markdowns	Aggregation				SLS_MKDN_DEPT_LD_DM	FACT_AGG_STD	UPDATE_S		
slsmkdnlwdm.ksh	Markdowns	Aggregation				SLS_MKDN_DEPT_LW_DM	FACT_AGG_STD	UPDATE_F		
slsmkdniliddm.ksh	Markdowns	Base Fact with update	RMS	slsmkdniliddm.txt	slsmkdniliddm.schema	SLS_MKDN_ITEM_LD_DM	BASEFACT_INCR_UPD	UPDATE_G		\${MMHOME}/data/slsmkdniliddm.txt
slsmkdnilwdm.ksh	Markdowns	Aggregation				SLS_MKDN_ITEM_LW_DM	FACT_AGG_STD	UPDATE_FS		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
slspilddm.ksh	Pack Sales	Derivation, see notes		SLS_ITEM_LD_DM, PRICING_ITEM_LD_DM, PROD_PACK - ITEM_MTX_DM, TIME_DAY_DM		SLS_PACK_ITEM_LD_DM	FACT_MATRIX	UPDATE		This program selects sales facts for pack items and breaks down the pack items into their component items.
slsprmilnldm.ksh	Promotion Sales	Base Fact with incremental update	RMS	slsprmilnldm.txt	slsprmilnldm.schema	SLS_PRMTN_ITEM_LLM_DM	BASEFACT_INCR_UPD	UPDATE_G	\${MMHOME}/data/slsprmilnldm.txt	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
spaldlddm.ksh	Space Allocation	Base Fact with update, for compressed table	See Notes	spaldlddm.txt	spaldlddm.schema	SPACE_ALL OC_ DEPT_LD_D M, SPACE_ALL OC_ DL_CUR_D M	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/spaldlddm.txt	The client either runs spaldlddm.ksh or department space allocation program spaldlddm2.ksh. Source data is supplied by the client. This program will allow backposted data to process to the compressed target table.
spaldlddm2.ksh	Space Allocation	Aggregation				SPACE_ALL OC_ DEPT_LD_D M, SPACE_ALL OC_ DL_CUR_D M	FACT_STANDALONE	UPDATE		This program aggregates space allocation.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
spalilddm.ksh	Space Allocation	Base Fact with update, for compressed table	See notes	spalilddm.txt	spalilddm.schema	SPACE_ALL OC_ITEM_LD_DM, SPACE_ALL OC_IL_CUR_DM	BASEFACT_UPD	UPDATE_L	\${MMHOME}/data/spalilddm.txt	Space allocation item source data supplied by the client. This program will allow backposted data to process to compressed table.
stblwldm.ksh	Stock Ledger	Base fact with update	RMS	stblwldm.txt	stblwldm.schema	INV_VAL_SBC_LW_DM	BASEFACT_UPD	UPDATE_ME	\${MMHOME}/data/stblwldm.txt	This program runs weekly.
stblmthdm.ksh	Stock Ledger	Base fact with update	RMS	stblmthdm.txt	stblmthdm.schema	INV_VAL_SBC_LMTH_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/stblmthdm.txt	If 454 time alone is loaded, this module runs once a week.  If Gregorian time is loaded, this module runs once a month.
stflldm.ksh	Store Traffic	Base Fact	See notes	stflldm.txt	stflldm.schema	STORE_TRAFLD_DM	BASEFACT_UPD	UPDATE	\${MMHOME}/data/stflldm.txt	Source file supplied by client.
tsilddm.ksh	Sales productivity	Aggregation				SLS_LD_DM	FACT_AGG_QD	UPDATE_FS		

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
tsildqdm.ksh	Sales productivity	Aggregation				SLS_LQ_DM	FACT_AGG_STD	UPDATE		
ttlddm.ksh	Tender Transaction(Loss Prevention)	Aggregation				TNDR_TRAN_LD_DM	FACT_AGG_QD	UPDATE_F		
ttldmdm.ksh	Tender Transaction(Loss Prevention)	Base Fact with incremental update	RMS	ttldmdm.txt	ttldmdm.schema	TNDR_TRAN_LM_DM	BASEFACT_INCR_UPD	UPDATE_G	\$(MMHOME)/data/ttldmdm.txt	
ttldqdm.ksh	Tender Transaction(Loss Prevention)	Aggregation				TNDR_TRAN_LQ_DM	FACT_AGG_STD	UPDATE_MS		
vchreschddm.ksh	Escheated Vouchers	Base Fact with incremental update	RMS	vchreschddm.txt	vchreschddm.schema	VCHR_ESCH_DAY_DM	BASEFACT_INCR_UPD	UPDATE	\$(MMHOME)/data/vchreschddm.txt	

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Control DM.operation_type	Arguments	Notes
vchrmoveddm.ksh	Voucher Movement	Base Fact aggregated from a staging table				VCHR_MOVE_LD_DM	FACT_AGG_STD	UPDATE_F		
vchrmoveddsg.ksh	Voucher Movement	Staging Table	RMS	vchrmoveddsg.txt	vchrmoveddsg.schema	VCHR_MOVE_LD_SG	FACT_MATRIX	UPDATE	\${MMHOME}/data/vchrmovedddm.txt	This program loads the staging table VCHR_MOVE_LD_SG, which holds voucher movement facts at the individual voucher level. The program also includes code to decrement voucher movement facts when key information on the source record is updated (for instance, changing cashier or store for an existing voucher).

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program_Control DM.program_type	Program_Contr ol DM.operation_t ype	Argument s	Notes
vchroutlwdm.ksh	Outstanding Vouchers	Base Fact with insert	RMS	vchroutlwdm.txt	vchroutlwdm.schema	VCHR_OUT_LW_DM	FACT_MATRIX	INSERT_G	\$(MMHOME)/data/vchroutlwdm.txt	This program runs weekly.
Wfslsilddm.ksh	Wholesale /franchise sales	Base Fact with incremental update	RMS	Wfslsilddm.txt	Wfslsilddm.schema	WF_SLS_ITEM_LD_DM	BASEFACT_INCR_UPD	UPDATE_G	\$(MMHOME)/data/wfslsilddm.txt	
Wfslsmkdnilddm.ksh	Wholesale /franchise markdown sales	Base Fact with incremental update	RMS	Wfslsmkdnilddm.txt	Wfslsmkdnilddm.schema	WF_SLS_MKDN_ITEM_LD_DM	BASEFACT_INCR_UPD	UPDATE_G	\$(MMHOME)/data/wfslsmkdnilddm.txt	

## **Maintenance Programs**

The maintenance program reference lists begin on the next page.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
factclosedm.ksh	Pre-Batch Maintenance	Maintenance		INV_IL_CUR_DM, INV_UNAVL_IL_CUR_DM, COST_ISL_CUR_DM, SPACE_ALLOC_IL_CUR_DM, SPACE_ALLOC_DL_CUR_DM, SPACE_ALLOC_DL_CUR_DM, NET_COST_SIL_CUR_DM, CMPTR_PRICING_IL_CUR_DM, SUPP_AVAIL_I_CUR_DM, SUPP_CNTRCT_I_CUR_DM, PRICING_IL_CUR_DM, INVSBC_LW_DM, PROD_ITEM_RECLASS_DM PROD_DEPT_RECLASS_DM S_DM ORG_LOC_RECLASS_DM		INV_ITEM_LD_DM, INV_UNAVL_ITEM_LD_DM, COST_ITEM_SUPP_LD_DM, SPACE_ALLOC_ITEM_LD_DM, CMPTR_PRICING_ITEM_LD_DM, PRICING_ITEM_LD_DM, NET_COST_SUPP_ITEM_LD_DM, SUPP_CNTRCT_ITEM_DAY_DM, SPACE_ALLOC_DEPT_LD_DM, INV_IL_CUR_DM, INV_UNAVL_IL_CUR_DM, COST_ISL_CUR_DM, SPACE_ALLOC_IL_CUR_DM, NET_COST_SIL_CUR_DM, CMPTR_PRICING_IL_CUR_DM, SUPP_AVAIL_I_CUR_DM, SUPP_CNTRCT_I_CUR_DM SUPP_AVAIL_ITEM_DAY_DM INV_SBC_LW_DM		This program processes fact records whose items and/or locations and/or departments have closed or been reclassified. It runs at the beginning of a batch cycle (before mt_prime and after factopendm) and inserts stop records into the compressed tables so the decompression views will no longer pick up records whose items/locations/departments have been reclassified or closed. See chapter, "Compression and Partitioning" for more information on compression and cur tables.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
factopendm.ksh	Pre-Batch Maintenance	Maintenance		INV_IL_CUR_DM, INV_UNAVL_IL_CUR_DM, COST_ISL_CUR_DM, SPACE_ALLOC_IL_CUR_DM, SPACE_ALLOC_DL_CUR_DM, NET_COST_SIL_CUR_DM, CMPTR_PRICING_IL_CUR_DM, SUPP_AVAIL_I_CUR_DM, SUPP_CNTRCT_I_CUR_DM PRICING_IL_CUR_DM PROD_ITEM_RECLASS_DM PROD_DEPT_RECLASS_DM ORG_LOC_RECLASS_DM		INV_ITEM_LW_DM, INV_ITEM_LD_DM, INV_UNAVL_ITEM_LD_DM, COST_ITEM_SUPP_LD_DM, SPACE_ALLOC_ITEM_LD_DM, CMPTR_PRICING_ITEM_LD_DM, PRICING_ITEM_LD_DM, NET_COST_SUPP_ITEM_LD_DM, SUPP_CNTRCT_ITEM_DAY_DM, SPACE_ALLOC_DEPT_LD_DM, INV_IL_CUR_DM, INV_UNAVL_IL_CUR_DM, COST_ISL_CUR_DM, SPACE_ALLOC_IL_CUR_DM, SPACE_ALLOC_DL_CUR_DM, NET_COST_SIL_CUR_DM, CMPTR_PRICING_IL_CUR_DM, SUPP_AVAIL_I_CUR_DM, SUPP_CNTRCT_I_CUR_DM, SUPP_AVAIL_ITEM_DAT_DM		This program runs immediately before factclosedm.ksh. The program inserts new records into compressed tables with the newly reclassified item/location/department keys after a reclassification day. See chapter, "Compression and Partitioning" for more information on compression and cur tables.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
medfactopend m.ksh	Pre-Batch Maintenance	Maintenance		PROD_ITEM_RECLASS - DM, MEDIA_ITEM_SI_DM		MEDIA_ITEM_SI_DM		This program runs immediately before factclosedm.ksh (and can be run concurrently with factopendm.ksh). The program inserts new records into the media fact table MEDIA_ITEM_SI_DM with the newly reclassified item keys after a reclassification day.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
medlfdm.ksh	Media Transformation	Ad hoc Run when new media transformation relationships are desired.		media_lfl_by_media_dm.txt	media_lfl_by_media_dm.schema	MEDIA_LFL_BY_MEDIA_DM		<p>1. This program loads client-provided media transformation relationships between surrogate media keys.</p> <p>2. This program inserts directly from the text files into the target tables. Only new records in the text files are included (as opposed to a full snapshot of all the relationships). To indicate <i>no</i> relationship in a MEDIA_LFL_BY_MEDIA_DM row, use a -2 for the last season media key or the last year media key. This logic results from the fact that a -1 media key indicates 'no media' on the fact tables.</p> <p>3. This program does not call any libraries and does not use the PROGRAM_CONTROL_DM table.</p>

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
mt_prime.ksh	Pre-Batch Maintenance	Maintenance		MAINT_LOAD_DT_DM, TIME_DAY_DM, TIME_WK_DM		datekey.txt, nextdatekey.txt, currdaiyidnt.txt, nextdayidnt.txt, currwkidnt.txt, wkenddt.txt, nextwkidnt.txt, mthidnt.txt, MAINT_LOAD_DT_DM, PROGRAM_STATUS_DM		<p>1. This program increments the processing date (curr_load_dt) by one day. This program will populate all date-related text files within \$etc directory by joining time_day_dm and time_wk_dm.</p> <p>2. The program, mt_prime.ksh, also prepares the batch cycle to be run by updating the PROGRAM_STATUS_DM table to 'ready' for all programs that have a 'completed' status. Any programs that are still in 'error' status from the previous run will have to be manually updated.</p>

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
orapartseed.ksh	Post-Batch Maintenance	Maintenance		cur table		Partitioned, compressed datamart table	table_name cur_table_name table_level	For partitioned, compressed datamarts, this program seeds the first day of a new partition with the current data from the cur_table. Explanation of arguments: table name refers to name of the target partitioned table; cur_table_name = name of the CUR position table associated with partitioned target table; table_level refers to level of the target partitioned table, either DAY or WEEK. This program must be run on partition seed days (the first day of the partition) and needs to be called once for every CUR table/compressed target table that is partitioned. For example, run once for INV_ITEM_LD_DM, once for INV_ITEM_LW_DM, once for PRICING_ITEM_LD_DM, and so on. See chapter, "Compression and Partitioning" for more information on compression and cur tables. If this program is run on a non-partition seed day, this program processes no data and terminates successfully.

Program	Functional Area	Program Type	External Data Source	Source Table or File	Schema File	Target File or Table	Arguments	Notes
seasonopendm. ksh	Pre-Batch Maintenance	Maintenance		SEASN_DM PROD_SEASN_ITEM_ MTX_DM INV_UNAVL_IL_CUR_ DM, INV_IL_CUR_DM		INV_UNAVL_ITEM_LD_DM, INV_UNAVL_IL_CUR_DM, INV_IL_CUR_DM, INV_ITEM_LD_DM, INV_ITEM_LW_DM		When an item crosses from one product season to another, a new prod_season_key is associated with the item_key. This change needs to be reflected in compressed facts that contain prod_season_key, namely Inventory Position. Seasnopendm maintains the inventory position datamart facts when a season change occurs.

---

## Program Type and Operation Type Descriptions

With only a few exceptions, every RDW RETL program contains a program type and an operation type. The program type and operation type tell specific dimension and/or fact RDW RETL libraries how to process the data. The following tables detail every program type and operation type combination.

### Dimension Types

With regard to dimension types, the following assumptions apply:

- All dimension programs need to have a valid program type and operation type to be able to process data correctly.
- Dimension libraries handle much of the data processing by:
  - Creating one or more temporary tables
  - Analyzing the temporary tables
  - Creating an index on the temporary table
  - Generating the surrogate key for new and/or major changed records
  - Updating next\_key\_val on the MAINT\_DIM\_KEY\_DM table
  - Updating or inserting into the target table based on the temporary tables
  - Updating program status to 'completed'

Any exceptions to the above are detailed in the program and/or operation type description fields.

- In most cases, a temporary table is created to help with dimension processing. This temporary table might be retained for programs later in the flow, such as item\_key\_1kup\_temp. The last batch program that uses the temporary table drops the temporary table.

## DIM\_TOP

Program Type	Program Type Description	Operation Type	Operation Type Description
DIM_TOP	<ul style="list-style-type: none"> <li>▪ Used for dimension programs at the top of the hierarchy or not part of a hierarchy (standalone dimension such as currency), which have surrogate keys for all dimensional identifiers and all maintenance columns.</li> <li>▪ Inserts are treated as new records; therefore, surrogate keys and all maintenance fields are generated before being inserted into the 'insert' temporary table.</li> <li>▪ Deletes and minor changes are treated as updated records; therefore, some maintenance fields are updated before being inserted into the 'update' temporary table.</li> </ul>	<p>INSERT (the same as UPDATE)</p> <p>UPDATE</p> <p>UPDATE_L</p>	<p>Both temporary tables will be dropped in dim_top_ksh.</p> <ul style="list-style-type: none"> <li>▪ Both temporary tables will be kept around for the program itself so that the program can do more processing.</li> <li>▪ The program will manually update program status to 'completed.'</li> </ul>

**DIM\_TOP\_DELTA**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
DIM_TOP_DELTA	<ul style="list-style-type: none"> <li>▪ Used for dimension programs that only have new or updated data (as opposed to a complete snapshot).</li> <li>▪ Used for dimension programs at the top of the hierarchy or not part of a hierarchy (standalone dimension, such as customer and customer account dimensions), which have surrogate keys for all dimension identifiers and the dm_recd_load_dt maintenance column.</li> <li>▪ Source data has records with recd_type ('I', 'U', 'X'). Records with 'I' will be inserted as new records. Records with 'U' will be updated. Records with 'X' will be updated or deleted based on the operation type.</li> </ul>	UPDATE  UPDATE_D	Both temporary tables will be dropped in dim_top_delta.ksh.  <ul style="list-style-type: none"> <li>▪ All temporary tables will be dropped in dim_top_delta.ksh.</li> <li>▪ Closed records will be physically deleted from the target table.</li> </ul>

**DIM\_TOP\_DELTA\_IDNT**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
DIM_TOP_DELTA_IDNT	<ul style="list-style-type: none"> <li>▪ Used for dimension programs that only have new or updated data (as opposed to a complete snapshot).</li> <li>▪ Used for dimension programs at the top of the hierarchy or not part of a hierarchy, which do not have surrogate keys for all dimension identifiers and must have the dm_recd_load_dt maintenance column.</li> <li>▪ Source data has records with recd_type ('I', 'U', 'X'). Records with 'I' will be inserted as new records. Records with 'U' will be updated. Records with 'X' will be updated or deleted based on the operation type.</li> </ul>	UPDATE	Both temporary tables will be dropped in dim_top_delta.ksh.

## DIM\_TOP\_F

Program Type	Program Type Description	Operation Type	Operation Type Description
DIM_TOP_F	<ul style="list-style-type: none"> <li>▪ Used for dimension programs at the top of the hierarchy or not part of a hierarchy, which have surrogate keys for all dimensional identifiers but not all maintenance columns. In other words, the history will not be kept if the record is deleted from the system.</li> <li>▪ Inserts are treated as new records; therefore, surrogate keys and all maintenance fields are generated before being inserted into the 'insert' temporary table.</li> <li>▪ Deletes are treated as deleted records; therefore, they are inserted into the 'delete' temporary table.</li> <li>▪ Minor changes are treated as updated records; therefore, some maintenance fields are updated before being inserted into the 'update' temporary table.</li> </ul>	<p>UPDATE_D</p> <p>UPDATE_DL</p>	<p>All three temporary tables will be dropped in the library dim_top.ksh.</p> <ul style="list-style-type: none"> <li>▪ All three temporary tables will be kept around for the program itself so the program can finish its processing.</li> <li>▪ The program itself will manually update its program status to 'completed'.</li> </ul>

**DIM\_TOP\_IDNT**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
DIM_TOP_IDNT	<ul style="list-style-type: none"> <li>▪ Used for dimension programs at the top of the hierarchy or not part of a hierarchy, which do not have surrogate keys for all dimensional identifiers and might not have all maintenance columns.</li> <li>▪ Inserts are treated as new records; therefore, all maintenance fields are generated before being inserted into the 'insert' temporary table.</li> <li>▪ Deletes are treated as deleted records; therefore, they are inserted into the 'delete' temporary table.</li> <li>▪ Minor changes are treated as updated records; therefore, some maintenance fields are updated before being inserted into the 'update' temporary table.</li> </ul>	<p>UPDATE</p> <p>UPDATE_D</p>	<ul style="list-style-type: none"> <li>▪ Does not use the 'delete' temporary table.</li> <li>▪ Both the 'insert' and 'update' temporary tables will be dropped.</li> </ul> <p>All three temporary tables will be dropped.</p>



**DIM\_MTX**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
DIM_MTX	Used for matrix programs that hold a relationship between one dimension and another dimension.	INSERT	<ul style="list-style-type: none"> <li>▪ All records on the target table are deleted.</li> <li>▪ All new records from the text file will be assigned corresponding surrogate keys before being inserted into the target table.</li> <li>▪ No temporary table is generated or used.</li> </ul>
		UPDATE	<ul style="list-style-type: none"> <li>▪ Records from the text file will be assigned corresponding surrogate keys. The records include new inserts and major changed inserts/updates, and are inserted into a temporary table.</li> <li>▪ The target table will be updated based on the temporary table.</li> <li>▪ The temporary table will be dropped.</li> </ul>

### DIM\_STANDALONE

Program Type	Program Type Description	Operation Type	Operation Type Description
DIM_STANDALONE	<ul style="list-style-type: none"> <li>▪ Used for dimension programs that use a text file as input and do not need to call libraries.</li> <li>▪ Checks for the existence of a source and schema file.</li> </ul>	UPDATE	This is a default operation type. No processing depends on this operation type.

### DIM\_STANDALONE\_TABLE

Program Type	Program Type Description	Operation Type	Operation Type Description
DIM_STANDALONE_TABLE	<ul style="list-style-type: none"> <li>▪ Used for dimension programs that use a table as input (as opposed to a text file) and do not need to call libraries.</li> <li>▪ Does not check for the existence of a source and schema file.</li> </ul>	UPDATE	This is a default operation type. No processing depends on this operation type.

## Fact Types

With regard to fact types, the following assumptions apply:

- All fact programs need to have a valid program type and operation type to be able to process data correctly
- Fact libraries handle much of the data processing by:
  - Creating one or more temporary tables
  - Analyzing the temporary tables
  - Creating an index on the temporary table
  - Updating or inserting into the target table based on temporary tables
  - Updating the program status to 'completed'

Any exceptions to the above are detailed in the program and/or operation type description fields

- In most cases, a temporary table is created to help with fact processing. This temporary table might be kept around for programs later in the flow. The last program to use the temporary table should drop it.



## BASEFACT\_INS

Program Type	Program Type Description	Operation Type	Operation Type Description
BASEFACT_INS	<ul style="list-style-type: none"><li>Used for programs that only insert new records.</li><li>If records come through with changed positional facts compared to the target table's positional records, the new position will be inserted into the target table with today's date.</li></ul>	INSERT	<ul style="list-style-type: none"><li>Records are appended directly onto the temporary table.</li><li>No temporary table is generated or used.</li></ul>
		INSERT_G	<ul style="list-style-type: none"><li>Records are appended directly onto the target table.</li><li>Parameters are specified by the program to indicate the grouping/summing fields.</li><li>No temporary table is generated or used.</li></ul>
		UPDATE_A	<ul style="list-style-type: none"><li>Records are appended directly onto the temporary table.</li><li>The temporary table is kept around for use by another program later in the flow.</li></ul>

**BASEFACT\_UPD**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
BASEFACT_UPD	<ul style="list-style-type: none"> <li>▪ Used for programs that insert new records, and/or update the current records.</li> <li>▪ A temporary table is used to hold the current day's data to be used in the inserts and updates.</li> </ul>	UPDATE	<ul style="list-style-type: none"> <li>▪ Records are updated from the temporary table to the target table.</li> <li>▪ The temporary table is dropped.</li> </ul>
		UPDATE_L	<ul style="list-style-type: none"> <li>▪ Records will be inserted into a temporary table.</li> <li>▪ The temporary table is kept around for use by the program itself and another program later in the scheduling flow.</li> <li>▪ The program itself performs updates and inserts based on the temporary table created by the library. It needs to update its program status to 'completed' and drops the temporary table if no aggregation is needed later.</li> <li>▪ All compressed day level tables use this operation type.</li> </ul>
		UPDATE_A	<ul style="list-style-type: none"> <li>▪ Records are updated/inserted from the temporary table to the target table.</li> <li>▪ The temporary table is kept around for use by another program later in the scheduling flow.</li> </ul>
		UPDATE_ME	<ul style="list-style-type: none"> <li>▪ Records are update/inserted from the temporary table to the target table by using Oracle merge statement.</li> <li>▪ The temporary table is dropped.</li> </ul>

**BASEFACT\_INCR\_UPD**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
BASEFACT_INCR_UPD	<ul style="list-style-type: none"> <li>▪ Used for programs that insert new records, and incrementally update the existing records.</li> <li>▪ The first temporary table holds current day's data on the table.</li> <li>▪ The second temporary table holds incremental updates for today's changed data.</li> </ul>	UPDATE	<ul style="list-style-type: none"> <li>▪ Records are merged from both temporary tables and updated/inserted into the target table.</li> <li>▪ The first temporary table is dropped.</li> <li>▪ The second temporary table is dropped.</li> </ul>
		UPDATE_A	<ul style="list-style-type: none"> <li>▪ Records are merged from both temporary tables and updated/inserted into the target table.</li> <li>▪ The first temporary table is kept around for use by another program later in the scheduling flow.</li> <li>▪ The second temporary table is dropped.</li> </ul>
		UPDATE_G	<ul style="list-style-type: none"> <li>▪ Records are merged from both temporary tables, grouped by the grouping keys specified in the program, and updated/inserted into the target table.</li> <li>▪ If a GROUP_CARRYOVER value is not specified, the first temporary table is dropped.</li> <li>▪ The second temporary table is dropped.</li> </ul>

## FACT\_AGG\_POS

Program Type	Program Type Description	Operation Type	Operation Type Description
FACT_AGG_POS	<ul style="list-style-type: none"> <li>▪ Used for programs that hold positional data for time and aggregates from a lower level to a higher level in the product hierarchy only.</li> <li>▪ A temporary table from the previous program in the aggregation flow is used to hold the current day's data.</li> </ul>	INSERT	<ul style="list-style-type: none"> <li>▪ Records are updated/inserted on the target table by calling merge function based on the temporary table created by the previous program in the aggregation flow.</li> <li>▪ The temporary table will be dropped.</li> </ul>
		UPDATE_F	<ul style="list-style-type: none"> <li>▪ A temporary table is created by parameters specified by the program.</li> <li>▪ Records are updated on the target table based on the temporary table.</li> <li>▪ The temporary table will be dropped.</li> <li>▪ Any existing temporary tables from previous programs will be dropped.</li> </ul>
		UPDATE_G	<ul style="list-style-type: none"> <li>▪ A temporary table is created by parameters specified by the program, including the standard aggregation for product hierarchy.</li> <li>▪ Records are updated on the target table based on the temporary table.</li> <li>▪ The temporary table will be kept around for another program in the flow.</li> <li>▪ Any existing temporary table from previous programs will be dropped.</li> </ul>
		UPDATE_GF	<ul style="list-style-type: none"> <li>▪ A temporary table is created by parameters specified by the program, including the standard aggregation for product hierarchy.</li> <li>▪ Records are updated on the target table based on the temporary table.</li> <li>▪ The temporary table will be dropped.</li> <li>▪ Any existing temporary table from previous programs will be dropped.</li> </ul>

Program Type	Program Type Description	Operation Type	Operation Type Description
		UPDATE_KO	<ul style="list-style-type: none"><li>▪ A temporary table is created by parameters specified by the program.</li><li>▪ Records are updated on the target table based on the temporary table.</li><li>▪ The temporary table will be dropped.</li><li>▪ Any existing temporary table from previous programs will be kept around for another program in the flow.</li></ul>
		UPDATE_ME	<ul style="list-style-type: none"><li>▪ Records are update/inserted from the temporary table to the target table by calling merge function.</li><li>▪ The temporary table is dropped.</li></ul>



Program Type	Program Type Description	Operation Type	Operation Type Description
		UPDATE_KO	<ul style="list-style-type: none"> <li>▪ Records are updated/inserted into the target table based on joining the aggregation and second temporary tables.</li> <li>▪ The temporary table from the previous program in the aggregation flow will be kept around for another module in the flow.</li> <li>▪ The temporary table from the current program will be dropped.</li> </ul>

**FACT\_AGG\_DW**

Program Type	Program Type Description	Operation Type	Operation Type Description
FACT_AGG_DW	<ul style="list-style-type: none"> <li>▪ Used for programs that aggregate from day to week in the time hierarchy.</li> <li>▪ Utilizes the temporary table created in the previous program, which holds the current day's data.</li> <li>▪ The temporary table is created to hold aggregates of the base table based on today's data.</li> </ul>	UPDATE_F (UPDATE_F or UPDATE_FS)	<ul style="list-style-type: none"> <li>▪ Records are aggregated from the base table based on the temporary table from the previous program. These records are then updated/inserted into the target table.</li> <li>▪ The temporary table from the previous program in the aggregation flow will be dropped.</li> <li>▪ The temporary table from the current program will be dropped.</li> </ul>

### FACT\_AGG\_IB

Program Type	Program Type Description	Operation Type	Operation Type Description
FACT_AGG_IB	<ul style="list-style-type: none"> <li>▪ Used for programs that aggregate from item to subclass in the product hierarchy.</li> <li>▪ Utilizes the temporary table created in the previous program, which holds the current day's data.</li> <li>▪ The temporary table is created to hold aggregates of the base table based on today's data.</li> </ul>	UPDATE	Records are aggregated from the base table based on the temporary table from the previous program. These records are then updated/inserted into the target table.

### FACT\_AGG\_QD

Program Type	Program Type Description	Operation Type	Operation Type Description
FACT_AGG_QD	<ul style="list-style-type: none"> <li>▪ Used for programs that aggregate from quarter hour to day in the time hierarchy.</li> <li>▪ Utilizes the temporary table created in the previous program, which holds the current day's data.</li> <li>▪ The temporary table is created to hold aggregates of the base table based on today's data.</li> </ul>	UPDATE_F (UPDATE_F or UPDATE_FS)	<ul style="list-style-type: none"> <li>▪ Records are aggregated from the base table based on the temporary table from the previous program. These records are then updated/inserted into the target table.</li> <li>▪ The temporary table from the previous program in the aggregation flow will be dropped.</li> <li>▪ The temporary table from the current program will be dropped.</li> </ul>

**FACT\_AGG\_BD**

<b>Program type</b>	<b>Program type description</b>	<b>Operation type</b>	<b>Operation type description</b>
FACT_AGG_BD	<ul style="list-style-type: none"> <li>▪ Used for programs that aggregate from subclass to department in the product hierarchy.</li> <li>▪ Utilizes the temporary table created in the previous program, which holds the current day's data.</li> <li>▪ The temporary table is created to hold aggregates of the base table based on today's data.</li> </ul>	UPDATE (UPDATE or UPDATE_S)	<ul style="list-style-type: none"> <li>▪ Records are aggregated from the base table based on the temporary table from the previous program. These records are then updated/inserted into the target table.</li> <li>▪ The temporary table from previous programs in the aggregation flow is retained for another program in the flow.</li> <li>▪ The temporary table from the current program is retained for another program in the scheduling flow.</li> </ul>

**FACT\_AGG\_ID**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
FACT_AGG_ID	<ul style="list-style-type: none"> <li>▪ Used for programs that aggregate from item to department in the product hierarchy.</li> <li>▪ Utilizes the temporary table created in the previous program, which holds the current day's data.</li> <li>▪ The temporary table is created to hold aggregates of the base table based on today's data.</li> </ul>	UPDATE (UPDATE or UPDATE_S)	<ul style="list-style-type: none"> <li>▪ Records are aggregated from the base table based on the temporary table from the previous program. These records are then updated/inserted into the target table.</li> <li>▪ The temporary table from previous programs in the aggregation flow is retained for another program in the flow.</li> <li>▪ The temporary table from the current program is retained for another program in the scheduling flow.</li> </ul>

## FACT\_MATRIX

Program Type	Program Type Description	Operation Type	Operation Type Description
FACT_MATRIX	<ul style="list-style-type: none"> <li>▪ Used for programs that require exception code or additional code for calculations, and/or additional non-standard dimensional joins.</li> <li>▪ Temporary table is created based on the parameters specified by the program.</li> </ul>	INSERT	<ul style="list-style-type: none"> <li>▪ Records are appended directly onto the target table.</li> <li>▪ No temporary table is generated or used.</li> </ul>
		INSERT_G	<ul style="list-style-type: none"> <li>▪ Records are appended directly onto the target table.</li> <li>▪ Parameters are specified by the program to indicate the grouping/summing fields.</li> <li>▪ No temporary table is generated or used.</li> </ul>
		UPDATE (UPDATE or UPDATE_S)	<ul style="list-style-type: none"> <li>▪ Records are updated on the target table based on the temporary table.</li> <li>▪ The temporary table will be dropped.</li> <li>▪ Any existing temporary table from previous programs in the aggregation flow will also be dropped.</li> </ul>
		UPDATE_A	<ul style="list-style-type: none"> <li>▪ All records from the target table will be updated based on that temporary table.</li> <li>▪ The temporary table will be kept around for another program.</li> <li>▪ Any existing temporary table from previous programs in the aggregation flow will also be dropped.</li> </ul>

**FACT\_STANDALONE**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
FACT_STANDALONE	Used for fact programs that do not need to call any fact libraries.	UPDATE	This is a default operation. No processing depends on this operation type.

**Maintenance Types****Maintenance**

<b>Program Type</b>	<b>Program Type Description</b>	<b>Operation Type</b>	<b>Operation Type Description</b>
MAINTENANCE	Used for programs that perform maintenance work and only need to call generic libraries.	UPDATE	This is a default operation type. No processing depends on this operation type.



---

---

# Appendix: Application Programming Interface (API) Flat File Specifications

This appendix contains APIs that describe the file format specifications for all text files that serve as the interface between source systems and RDW. That is, these APIs control the formatting of the same fact and dimensions data as it is loaded into RDW.

In addition to providing individual field description and formatting information, the APIs provide basic business rules for the incoming data.

Oracle Retail warrants the APIs within Appendix A. Oracle Retail does not warranty the actual RDW integration with any source system other than the integration with the Oracle Retail Merchandising System (RMS), Oracle Retail Invoice Match (ReIM), Oracle Retail Merchandise Financial Planning (MFP), and Oracle Retail Price Management (RPM) that has been defined within this Operation Guide.

## API Format

Each API contains a business rules section and a file layout. Some general business rules and standards are common to all APIs. The business rules are used to ensure the integrity of the information held within RDW. In addition, each API contains a list of rules that are specific to that particular API.

## File Layout

- **Field Name:** Provides the name of the field in the text file.
- **Description:** Provides a brief explanation of the information held in the field.
- **Data Type/Bytes:** Includes both data type and maximum column length. Data type identifies one of three valid data types: character, number, or date. Bytes identifies the maximum bytes available for a field. A field may not exceed the maximum number of bytes (note that ASCII characters usually have a ratio of 1 byte = 1 character)
  - **Character:** Can hold letters (a,b,c...), numbers (1,2,3...), and special characters (\$,#,&...)
  - **Numbers:** Can hold only numbers (1,2,3...)
  - **Date:** Holds a specific year, month, day combination. The format is "YYYYMMDD", unless otherwise specified.
- Any required formatting for a field is conveyed in the Bytes section. That is, Number(18,4) refers to number precision and scale. The first value is the precision and always matches the maximum number of digits for that field; the second value is the scale and specifies, of the total digits in the field, how many digits exist to the right of the decimal point. That is, the number -12345678901234.1234 would take up twenty ASCII characters in the flat file; however, the overall precision of the number is still (18,4).
- **Field Order:** Identifies the order of the field in the schema file.
- **Required Field:** Identifies whether the field can hold a null value. This section holds either a 'yes' or a 'no'. A 'yes' signifies the field may not hold a null value. A 'no' signifies that the field may, but is not required, to hold a null value.

## General Business Rules and Standards Common to All APIs

- Complete 'snapshot' of dimension data:  
A majority of the RDW dimension code requires a complete view of all current dimensional data (regardless of whether the dimension information has changed) once at the end of every business day. If a complete view of the dimensional data is not provided in the text file, invalid or incorrect dimensional data can result. For instance, not including an active item in the prditmdm.txt file causes that item to be closed (as of the extract date) in the data warehouse. When a sale for the item is processed, the fact program will not find a matching 'active' dimension record. Therefore, it is essential, unless otherwise noted in each the API specific business rules section that a complete snapshot of the dimensional data be provided in each text file.

If there are no records for the day, an empty flat file must still be provided.

- Updated and new records of fact data:  
Facts being loaded to RDW can either be new or updated facts. Unlike dimension snapshots, fact flat files will only contain new/updated facts exported from the source system once per day (or week, in some cases). Refer to each the API specific business rules section for more details.

If there are no new or changed records for the day, an empty flat file must still be provided.

- Primary and local currency amount fields  
Amounts will be stored in both primary and local currencies for most fact tables. If the source system uses multi-currency, then the primary currency column holds the primary currency amount, and the local currency column holds the local currency amount. If the location happens to use the primary currency, then both primary and local amounts hold the primary currency amount. If the source system does not use multi-currency, then only the primary currency fields are populated and the local fields hold NULL values.
- Leading/trailing values:  
Values entered into the text files are the exact values processed and loaded into the datamart tables. Therefore, the values with leading and/or trailing zeros, characters, or nulls are processed as such. RDW does not strip any of these leading or trailing values, unless otherwise noted in the individual the API business rules section.
- Indicator columns:  
Indicator columns in RDW (such as prod\_item\_dm.pack\_ind) are assumed to hold one of two values, either "Y" for yes or "N" for no.

- Delimiters:

**Note:** Make sure the delimiter is never part of your data.

- **Dimension Flat File Delimiter Standards:** Within dimension text files, each field must be separated by a pipe ( | ) character, that is a record from prddivdm.txt may look like the following:

```
1000|1|Homewares|2006|Henry Stubbs|2302|Craig Swanson
```

- **Fact Flat File Delimiter Standards:** Within facts text files, each field must be separated by a semi-colon character ( ; ). That is a record from exchngratedm.txt may look like the following:

```
WIS;20010311;1.73527820592648544918
```

See the RETL Programmer's Guide for additional information.

- **End of Record Carriage Return:**  
Each record in the text file must be separated by an end of line carriage return. That is, the three records below, in which each record holds four values, should be entered as:

```
1|2|3|4
5|6|7|8
9|10|11|12
```

and not as a continuous string of data, such as:

```
1|2|3|4|5|6|7|8|9|10|11|12
```

There should never be a carriage return at the end of the final record. If there is a carriage return, the system treats it as a new record, and you may receive an error when running RETL program.

## Flat File Specifications

### cdedtlcomdm.txt

Business rules:

- This interface file cannot contain duplicate records for a cde\_type\_idnt, cde\_idnt combination.
- This interface file contains the complete snapshot of active information.
- This interface file contains codes for the following code types (cde\_type\_idnt): CRQSTTYP (Catalog Request Types), ARQSTTYP (Activity Request Types), CTLGTYPE (Catalog Types), RQSTORGN (Request Origins), SVCCOLR (Value Added Service Color), SVCFONT (Value Added Service Font), SVCTYPE (Value Added Service Type), COHOLDEVENT (Customer Order Hold Events), DISPO (Disposition code type), PRMTRIG (Promotion trigger type), COPARTREASN (Customer Order Partial Line Reason).
- Customer order adds the following two rows to flat file for multi-color and multi-font value added service lines. CDE\_TYPE\_IDNT:SVCCOLR CDE\_IDNT:Multi-Color CDE\_DESC:Multi-Color CDE\_TYPE\_IDNT:SVCFONT CDE\_IDNT:Multi-Font CDE\_DESC:Multi-Font
- This interface file follows the dimension flat file interface layout standard.
- Customer order provides only distinct value added service colors and fonts. If ten suppliers have 'RED' as an available color, 'RED' appears once in the flat file.

Name	Description	Data Type/Bytes	Field Order	Required Field
CDE_TYPE_IDNT	The code type, which serves as a grouping mechanism for the different codes stored on the CDE_DTL_COM_DM table.	CHARACTER(12)	1	Yes
CDE_IDNT	The unique identifier for the code within a code type.	CHARACTER(120)	2	Yes
CDE_DESC	The description associated with the code.	CHARACTER(160)	3	No

**cdedtldm.txt**

Business rules:

- This data is loaded during installation.
- This interface file contains code and code description accessed by the front-end portion of RDW through specific database views.
- This interface file cannot contain duplicate records for a cde\_type, cde combination.
- This interface file contains the complete snapshot of active information.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field order	Required field
CDE_TYPE	The code type, which serves as a grouping mechanism for the different codes stored on the CDE_DTL_DM table.	CHARACTER(6)	1	Yes
CDE	The unique identifier for the code within a code type.	CHARACTER(6)	2	Yes
CDE_DESC	The description associated with the code.	CHARACTER(120)	3	Yes

**cllctrdm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file cannot contain duplicate records for a call center location identifier.

Name	Description	Data Type/Bytes	Field Order	Required Field
CALL_CTR_IDNT	The unique identifier of a call center.	CHARACTER(10)	1	Yes
CALL_CTR_DESC	The description of a call center.	CHARACTER(120)	2	No

**cmptrdm.txt**

Business rules:

- This interface file contains competitor information.
- This interface file cannot contain duplicate records for a cmptr\_idnt.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field order	Required field
COMPTR_IDNT	The unique identifier of the competitor	CHARACTER(10)	1	Yes
COMPTR_DESC	The name of competitor.	CHARACTER(120)	2	No
COMPTR_ADDR	The competitor address.	CHARACTER(72)	3	No
COMPTR_CITY_NAME	The competitor city	CHARACTER(120)	4	No
COMPTR_ST_OR_PRVN C_CDE	The competitor state or province.	CHARACTER(3)	5	No
COMPTR_CNTRY_CDE	The competitor country	CHARACTER(10)	6	No

**cmptrlmdm.txt**

Business rules:

- This interface file defines the association between location and competitor location.
- This interface file cannot contain duplicate records for a cmptr\_loc\_idnt and cmptr\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field order</b>	<b>Required field</b>
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	1	Yes
CMPTR_LOC_IDNT	The unique identifier of the competitor location.	CHARACTER(10)	2	Yes
TARGET_CMPTR_IND	Identifies the target competitor of a retailer's store. This competitor's retail will be used along with the primary store within a zone when calculating a recommended retail in Price Management. Valid values are: Y, and N.	CHARACTER(1)	3	Yes
CMPTR_RANK	The rank of each competitor store compared to the other stores.	NUMBER(2)	4	No
DISTANCE	The distance between the retailer's store and the competitor's store.	NUMBER(4)	5	No

Name	Description	Data Type/Bytes	Field order	Required field
DISTANCE_UOM_CDE	The unit of measure code the distance is captured in. Valid values are 1 = 'Miles', 2 = 'Kilometers'.	CHARACTER(6)	6	No
DISTANCE_UOM_DESC	The unit of measure description the distance is captured in.	CHARACTER(120)	7	No

### cmptrlocdm.txt

Business rules:

- This interface file contains non-historical information about competitors and their individual locations.
- This interface file cannot contain duplicate records for a cmptr\_loc\_idnt, cmptr\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field order	Required field
COMPTR_LOC_IDNT	The unique identifier of the competitor location	CHARACTER(10)	1	Yes
COMPTR_IDNT	The unique identifier of the competitor	CHARACTER(10)	2	Yes
COMPTR_LOC_DESC	The competitor store description	CHARACTER(160)	3	No
COMPTR_LOC_ADDR	The competitor store's address	CHARACTER(72)	4	No
COMPTR_LOC_CITY_NAME	The competitor store city	CHARACTER(120)	5	No
COMPTR_LOC_ST_OR_PRVNC_CDE	The competitor store state	CHARACTER(3)	6	No

Name	Description	Data Type/Bytes	Field order	Required field
CMPTR_LOC_CNTRY_CDE	The competitor store country	CHARACTER(10 )	7	No
ESTIMATED_VOLUME	The estimated yearly sales volume of the competitor at assigned location.	NUMBER(18,4)	8	No
CMPTR_CRNCY_CDE_IDNT	The unique identifier of the currency code. E.g: USD is the local currency code for US Dollar	CHARACTER(10 )	9	Yes

**cmptrprcildm.txt**

Business rules:

- This interface file contains competitor's pricing facts for the client location, competitor location and item combination on a given day.
- This interface file cannot contain duplicate transactions for item\_idnt, loc\_idnt, cmptr\_loc\_idnt, day\_dt combinations.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field order	Required field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
CMPTR_LOC_IDNT	The unique identifier of the competitor location.	CHARACTER(10)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
F_CMPTR_UNIT_RTL_AMT	The competitor's unit retail amount for a particular item in primary currency.	NUMBER(18,4)	5	No
F_CMPTR_UNIT_RTL_AMT_LCL	The competitor's unit retail amount for a particular item in local currency.	NUMBER(18,4)	6	No
F_CMPTR_MULTI_UNIT_RT L_AMT	The competitor's multi unit retail amount for a particular item in primary currency.	NUMBER(18,4)	7	No
F_CMPTR_MULTI_UNIT_RT L_AMT_LCL	The competitor's multi unit retail amount for a particular item in local currency.	NUMBER(18,4)	8	No
RTL_TYPE_CDE	The price type ('R'egular, 'P'romotion, 'C'learance).	CHARACTER(2)	9	Yes
OFFER_TYPE_CDE	This non-aggregatable field identifies the offer type code of the competitor's promotional retail. Examples of valid values are 1 = 'Coupon', 2 = 'Mailer', and so on.	CHARACTER(6)	10	No

Name	Description	Data Type/Bytes	Field order	Required field
MULTI_UNITS_QTY	This non-aggregatable field identifies the multi units associated with F_CMPTR_UNIT_RTL_AMT for a particular item.	NUMBER(12,4)	11	No

### coeopiddm.txt

Business rules:

- This interface file cannot contain duplicate records for co\_line\_idnt, co\_hdr\_idnt, co\_line\_media\_idnt, co\_hdr\_media\_idnt, banner\_idnt, selling\_item\_idnt, item\_idnt, loc\_idnt, cust\_idnt, co\_line\_type\_idnt, day\_dt combination.
- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file includes the complete snapshot of all open customer order lines (all order lines that have not been completely shipped or have not been completely cancelled).
- Only today's order line positions are expected (back posted position and/or updates of previous day's positions should not be provided).
- This interface file follows the fact flat file interface layout standard.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- Only records that have an f\_eop\_rsv\_qty, f\_eop\_pick\_qty, or f\_eop\_bo\_qty greater than zero should be provided.
- This interface file contains order line positions for outgoing order line types only, not for incoming order line types, such as returns.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER(30)	1	Yes
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER(30)	2	Yes
LINE_MEDIA_IDNT	The unique identifier of the line media.	CHARACTER(10)	3	Yes
HDR_MEDIA_IDNT	The unique identifier of the header media.	CHARACTER(10)	4	Yes
BANNER_IDNT	The identifier of a banner.	CHARACTER(4)	5	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	6	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	7	Yes
LOC_IDNT	The unique identifier of a location.	CHARACTER(10)	8	Yes
CUST_IDNT	The unique identifier of the customer placing the order.	CHARACTER(15)	9	Yes
CO_LINE_TYPE_IDNT	The unique identifier of a customer order line type.	CHARACER(20)	10	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	11	Yes
CO_HOLD_EVENT_IDNT	Identifies the event why an order line is being held.	CHARACTER(60)	12	No
DROP_SHIP_IND	An indicator to identify if an item is shipped directly to the customer.	CHARACTER(1)	13	No
CO_GIFT_IND	An indicator to identify if the item on the order line is a gift.	CHARACTER(1)	14	No
F_EOP_RSV_QTY	The reserve quantity at the end of the period.	NUMBER(12,4)	15	No
F_EOP_PICK_QTY	The pick quantity at the end of the period.	NUMBER(12,4)	16	No
F_EOP_BO_QTY	The backorder quantity at the end of the period.	NUMBER(12,4)	17	No
F_EOP_RSV_AMT	The reserve retail value at the end of the period.	NUMBER(18,4)	18	No
F_EOP_RSV_AMT_LCL	The reserve retail value at the end of the period in local currency.	NUMBER(18,4)	19	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_EOP_PICK_AMT	The pick retail value at the end of the period.	NUMBER(18,4)	20	No
F_EOP_PICK_AMT_LCL	The pick retail value at the end of the period in local currency.	NUMBER(18,4)	21	No
F_EOP_BO_AMT	The backorder retail value at the end of the period.	NUMBER(18,4)	22	No
F_EOP_BO_AMT_LCL	The backorder retail value at the end of the period in local currency.	NUMBER(18,4)	23	No

**cohdrdm.txt**

Business rules:

- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file cannot contain duplicate records for a co\_hdr\_idnt.
- This interface file contains only the new or changed customer order header information since the last time data was extracted from the source system.
- All monetary columns except return columns and cancel columns must keep the existing values when a return or cancel occurs. Only return columns should be populated with returned values when returns occur, and only cancel columns should be populated with cancelled values when cancels occur.
- All data in this interface must not include partial, replacement in and replacement out transactions
- For exchange out transactions of any of its order lines, the order header's affected columns must be updated.
- Only changes for the defined fields in the API specifications are considered.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER(30)	1	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER(10)	2	Yes
BANNER_IDNT	The identifier of a banner.	CHARACTER(4)	3	Yes
CSR_IDNT	The unique identifier for a customer service representative.	CHARACTER(30)	4	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	5	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
DAY_DT	The calendar day on which the customer order was created.	DATE	6	Yes
F_ACCOM_AMT	The total accommodations given to a customer for this customer order in primary currency.	NUMBER(18,4)	7	No
F_ACCOM_AMT_LCL	The total accommodations given to a customer for this customer order, in local currency.	NUMBER(18,4)	8	No
F_RTRN_ACCOM_AMT	The amount taken off from the original accommodation due to returns in primary currency.	NUMBER(18,4)	9	No
F_RTRN_ACCOM_AMT_LCL	The amount taken off from the original accommodation due to returns, in local currency.	NUMBER(18,4)	10	No
F_CNCL_ACCOM_AMT	The amount taken off from the original accommodation due to cancels in primary currency.	NUMBER(18,4)	11	No
F_CNCL_ACCOM_AMT_LCL	The amount taken off from the original accommodation due to cancels, in local currency.	NUMBER(18,4)	12	No
F_DLVRV_AMT	The shipping and handling charge applied to the entire customer order in primary currency.	NUMBER(18,4)	13	No
F_DLVRV_AMT_LCL	The shipping and handling charge applied to the entire customer order in local currency.	NUMBER(18,4)	14	No
F_RTRN_DLVRV_AMT	The amount taken off from the original shipping and handling charges due to returns in primary currency.	NUMBER(18,4)	15	No
F_RTRN_DLVRV_AMT_LCL	The amount taken off from the original shipping and handling charges due to returns, in local currency.	NUMBER(18,4)	16	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CNCL_DLVRY_AMT	The amount taken off from the original shipping and handling charges due to cancels in primary currency.	NUMBER(18,4)	17	No
F_CNCL_DLVRY_AMT_LCL	The amount taken off from the original shipping and handling charges due to cancels, in local currency.	NUMBER(18,4)	18	No
F_RUSH_DLVRY_AMT	The rush shipping and handling charge applied to the entire customer order in primary currency.	NUMBER(18,4)	19	No
F_RUSH_DLVRY_AMT_LCL	The rush shipping and handling charge applied to the entire customer order, in local currency.	NUMBER(18,4)	20	No
F_RTRN_RUSH_DLVRY_AMT	The amount taken off from the original rush shipping and handling charge due to returns, in primary currency.	NUMBER(18,4)	21	No
F_RTRN_RUSH_DLVRY_AMT_LCL	The amount taken off from the original rush shipping and handling charge due to returns, in local currency.	NUMBER(18,4)	22	No
F_CNCL_RUSH_DLVRY_AMT	The amount taken off from the original rush shipping and handling charge due to cancels, in primary currency.	NUMBER(18,4)	23	No
F_CNCL_RUSH_DLVRY_AMT_LCL	The amount taken off from the original rush shipping and handling charge due to cancels, in local currency.	NUMBER(18,4)	24	No
F_PRMTN_DSCNT_AMT	The shipping and handling promotional discount applied to the entire customer order, in primary currency.	NUMBER(18,4)	25	No
F_PRMTN_DSCNT_AMT_LCL	The shipping and handling promotional discount applied to the entire customer order, in local currency.	NUMBER(18,4)	26	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_RTRN_PRMTN_DSCNT_AMT	The amount taken off from the original shipping and handling promotional discount due to returns, in primary currency.	NUMBER(18,4)	27	No
F_RTRN_PRMTN_DSCNT_AMT_LCL	The amount taken off from the original shipping and handling promotional discount due to returns, in local currency.	NUMBER(18,4)	28	No
F_CNCL_PRMTN_DSCNT_AMT	The amount taken off from the original shipping and handling promotional discount due to cancels, in primary currency.	NUMBER(18,4)	29	No
F_CNCL_PRMTN_DSCNT_AMT_LCL	The amount taken off from the original shipping and handling promotional discount due to cancels, in local currency.	NUMBER(18,4)	30	No
F_TAXABLE_AMT	The total taxable amount for the customer order, including services, in primary currency.	NUMBER(18,4)	31	No
F_TAXABLE_AMT_LCL	The total taxable amount for the customer order, including services, in local currency.	NUMBER(18,4)	32	No
F_RTRN_TAXABLE_AMT	The amount taken off from the original taxable amount due to returns, in primary currency.	NUMBER(18,4)	33	No
F_RTRN_TAXABLE_AMT_LCL	The amount taken off from the original taxable amount due to returns, in local currency.	NUMBER(18,4)	34	No
F_CNCL_TAXABLE_AMT	The amount taken off from the original taxable amount due to cancels, in primary currency.	NUMBER(18,4)	35	No
F_CNCL_TAXABLE_AMT_LCL	The amount taken off from the original taxable amount due to cancels, in local currency.	NUMBER(18,4)	36	No

### coilnlddm.txt

Business rules:

- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.

- This interface file contains only the current day's new or changed Order Line information, one record per new or changed order line per day.
- All the quantity and amount fields are transactional quantities and amounts. These transactional quantities and amounts must contain the delta values of the previous value and current value. They must be filled in when a transaction occurs. If the order line goes to same status several times in one day, only the latest transaction quantity is captured.
- If there is no transaction quantity change but some other fields change, the record for this order line must include those changes and include the quantity fields with null values.
- When positional statuses (Backorder and Picking) change to other statuses, the end date fields must be filled in with the current date. The quantity fields for those statuses must be filled in with a null value.
- If an order line stays in backorder status but some of the items are partial shipped, an intermediate 'PICKING' status is expected even if the order line is actually still in backorder status. This logic results in the picking quantity bucket's being filled in with the partial shipped quantity and the picking end date's being filled in with current date.
- When all the remaining items for the order line are shipped, field ship\_dt must be filled in with the current date.
- This interface file includes order lines of type NORMAL(N), UPSELL(U), CROSS-SELL(C), SUBSTITUTE(S), EXCHANGE OUT(ES), REPLACEMENT OUT(RS) and PARTIAL(P). Order lines of type RETURN(R), EXCHANGE IN(ER), and REPLACEMENT IN(RR) are excluded from this interface file.
- When all the remaining items for the order line are cancelled, field cncl\_dt must be filled in with the current date.
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.
- If there are multiple ship-to address for an order line, the primary ship-to address is expected.
- The ship\_dt and cncl\_dt fields are mutually exclusive.
- Any cancel quantity that does not require a separate customer order line must be reflected in the cancelled quantity field f\_cncl\_qty.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER(30)	1	Yes
CO_DAY_DT	The date when the customer order was created.	DATE	2	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	3	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	4	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER(10)	5	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER(10)	6	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	7	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	8	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	9	Yes
CUST_IDNT	The unique identifier of the customer placing the order.	CHARACTER(15)	10	Yes
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER(30)	11	Yes
DAY_DT	The transaction date when the customer order line was created or modified.	DATE	12	Yes
CO_SHIP_TO_CITY	The name of the city this order line is shipped to.	CHARACTER(120)	13	Yes
CO_SHIP_TO_ST_OR_PRV NC_CDE	The code of the state or province this order line is shipped to.	CHARACTER(3)	14	Yes
CO_SHIP_TO_CNTRY_CD E	The code of the country this order line is shipped to.	CHARACTER(120)	15	Yes
CO_SHIP_TO_PSTL_CDE	The sip code of the address this order line is shipped to (no additional 4 digits for US address).	CHARACTER(30)	16	Yes
CARRIER_IDNT	The unique identifier if a carrier delivering the order line.	CHARACTER(10)	17	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
CARRIER_SVC_IDNT	The unique identifier of a carrier level of service (rush, standard, and so on) to be used in delivering the order line.	CHARACTER(10)	18	Yes
CO_DMND_STTS_IDNT	Predefined demand status codes to show the reason when the order line is cancelled.	CHARACTER(12)	19	Yes
REF_ITEM_IDNT	The unique identifier of the item that triggered the up-sell, cross-sell, substitute, or partial activity. This column is only be populated when the customer order line type is upsell, cross-sell, or substitute; otherwise it will be -1.	CHARACTER(25)	20	Yes
CO_LINE_TYPE_IDNT	Identifies a customer order line type. Examples are up-sell, cross-sell, normal, partial, and so on.	CHARACTER(120)	21	Yes
CO_PARTIAL_REASN_IDNT	Identifies the reason the partial order line was created.	CHARACTER(120)	22	Yes
CO_HOLD_EVENT_IDNT	Identifies the event for which an order line is being held.	CHARACTER(120)	23	Yes
DROP_SHIP_IND	An indicator to identify if an item is shipped directly to the customer.	CHARACTER(1)	24	No
CO_GIFT_IND	An indicator to identify if the item on the order line is a gift.	CHARACTER(1)	25	No
CO_EST_DLVRD_DT	The estimated date the customer order line will be delivered.	DATE	26	No
PICK_END_DT	The date when the items in the customer order line have been completely picked in the warehouse.	DATE	27	No
BO_END_DT	The date the customer order line moves out of 'Back Order' status for the last time.	DATE	28	No
SHIP_DT	The date the customer order line has been completely shipped.	DATE	29	No

Name	Description	Data Type/Bytes	Field Order	Required Field
CNCL_DT	The date the customer order line has been completely canceled.	DATE	30	No
F_CO_QTY	The quantity ordered.	NUMBER(12,4)	31	No
F_RSV_QTY	The quantity reserved.	NUMBER(12,4)	32	No
F_PICK_QTY	The quantity picked.	NUMBER(12,4)	33	No
F_BO_QTY	The quantity backordered.	NUMBER(12,4)	34	No
F_SHIP_QTY	The quantity shipped.	NUMBER(12,4)	35	No
F_CNCL_QTY	The quantity cancelled.	NUMBER(12,4)	36	No
F_CO_UNIT_RTL_AMT	The transaction unit price of the order line item expected to be paid by the customer, in primary currency.	NUMBER(18,4)	37	No
F_CO_UNIT_RTL_AMT_LCL	The transaction unit price of the order line item expected to be paid by the customer, in local currency.	NUMBER(18,4)	38	No
F_CO_MEDIA_UNIT_RTL_AMT	The media selling price of the order line item, in primary currency.	NUMBER(18,4)	39	No
F_CO_MEDIA_UNIT_RTL_AMT_LCL	The media selling price of the order line item, in local currency.	NUMBER(18,4)	40	No
F_ADDL_DLVR_Y_AMT	The additional shipping and handling charge applied to the order line, in primary currency.	NUMBER(18,4)	41	No
F_ADDL_DLVR_Y_AMT_LCL	The additional shipping and handling charge applied to the order line, in local currency.	NUMBER(18,4)	42	No
F_CNCL_ADDL_DLVR_Y_AMT	The amount taken off from the original additional shipping and handling charge due to cancels, in primary currency.	NUMBER(18,4)	43	No
F_CNCL_ADDL_DLVR_Y_AMT_LCL	The amount taken off from the original additional shipping and handling charge due to cancels, in local currency.	NUMBER(18,4)	44	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PRMTN_L_DSCNT_AMT	The total promotional discount applied to the order line, in primary currency.	NUMBER(18,4)	45	No
F_PRMTN_L_DSCNT_AMT_LCL	The total promotional discount applied to the order line, in local currency.	NUMBER(18,4)	46	No
F_CNCL_PRMTN_L_DSCNT_AMT	The amount taken off from the original promotional discount due to cancels, in primary currency.	NUMBER(18,4)	47	No
F_CNCL_PRMTN_L_DSCNT_AMT_LCL	The amount taken off from the original promotional discount due to cancels, in local currency.	NUMBER(18,4)	48	No
F_SVC_AMT	The sum of the service charges applied to the customer order service lines, in primary currency.	NUMBER(18,4)	49	No
F_SVC_AMT_LCL	The sum of the service charges applied to the customer order service lines, in local currency.	NUMBER(18,4)	50	No
F_CNCL_SVC_AMT	The amount taken off from the original service charge due to cancels, in primary currency.	NUMBER(18,4)	51	No
F_CNCL_SVC_AMT_LCL	The amount taken off from the original service charge due to cancels, in local currency.	NUMBER(18,4)	52	No
F_ADDL_DLVR_TAX_AMT	The additional shipping and handling charge tax applied to the order line, in primary currency.	NUMBER(18,4)	53	No
F_ADDL_DLVR_TAX_AMT_LCL	The additional shipping and handling charge tax applied to the order line, in local currency.	NUMBER(18,4)	54	No
F_CNCL_ADDL_DLVR_TAX_AMT	The amount taken off from the original additional shipping and handling charge tax due to cancels, in primary currency.	NUMBER(18,4)	55	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CNCL_ADDL_DLVR_T AX_AMT_LCL	The amount taken off from the original additional shipping and handling charge tax due to cancels, in local currency.	NUMBER(18,4)	56	No
F_MRCH_TAX_AMT	The merchandise tax applied to the order line in primary currency.	NUMBER(18,4)	57	No
F_MRCH_TAX_AMT_LCL	The merchandise tax applied to the order line in local currency.	NUMBER(18,4)	58	No
F_CNCL_MRCH_TAX_AM T	The amount taken off from the original merchandise tax due to cancels, in primary currency.	NUMBER(18,4)	59	No
F_CNCL_MRCH_TAX_AM T_LCL	The amount taken off from the original merchandise tax due to cancels, in local currency.	NUMBER(18,4)	60	No
F_SVC_TAX_AMT	The service charge tax applied to the order line, in primary currency.	NUMBER(18,4)	61	No
F_SVC_TAX_AMT_LCL	The service charge tax applied to the order line, in local currency.	NUMBER(18,4)	62	No
F_CNCL_SVC_TAX_AMT	The amount taken off from the original service charge tax due to cancels, in primary currency.	NUMBER(18,4)	63	No
F_CNCL_SVC_TAX_AMT_ LCL	The amount taken off from the original service charge tax due to cancels, in local currency.	NUMBER(18,4)	64	No

### coilnlsq\_pre.txt

Business rules:

- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file includes order lines of type NORMAL(N), UPSELL(U), CROSS-SELL(C), SUBSTITUTE(S), EXCHANGE OUT(ES), REPLACEMENT OUT(RS) and PARTIAL(P). Order lines of type RETURN(R), EXCHANGE IN(ER), and REPLACEMENT IN(RR) are excluded from this interface file.
- This interface file contains only the current day's new or changed Order Line information, one record per new or changed order line per day.
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.

- For all quantity fields except `f_pick_eod_qty` and `f_bo_eod_qty`, the maximum quantity for a given status must be provided each day. That is, if quantity 2 goes into picking in the morning, and then into another status, and then 4 go back into picking by the end of the day, `f_pick_qty` is 4. All other fields must be populated with the latest value for those fields as of the end of the day.
- If an order line stays in backorder status but some of the items have been partially shipped, an intermediate picking status is expected even if the order line is actually still in backorder status. This logic results in the `f_pick_qty` bucket's being filled in with the partial shipped quantity.
- When all the remaining items for the order line are shipped, field `ship_dt` must be filled in with the current date.
- If there are multiple ship-to addresses for an order line, the primary ship to address is expected.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.
- Any decrease in the order quantity field must be reflected in the cancelled quantity field `f_cncl_qty`.
- When all the remaining items for the order line are cancelled, field `cncl_dt` must be filled in with the current date.
- When this order line has a partial cancel and partial shipment, but the full amount is completed for this order line, the `ship_dt` is populated if the last item of this order line is shipped. The `cncl_dt` is populated if the last item of this order line is cancelled.
- `f_svc_amt` and `f_svc_amt_lcl` must keep their original values when any service return or service cancel occurs.
- The `ship_dt` and `cncl_dt` fields are mutually exclusive.
- Any cancel quantity that does not require a separate customer order line must be reflected in the cancelled quantity field `f_cncl_qty`.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER(30)	1	Yes
CO_DAY_DT	The customer order creation date.	DATE	2	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	3	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	4	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER(10)	5	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line-level media.	CHARACTER(10)	6	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(40)	7	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	8	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	9	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	10	Yes
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER(30)	11	Yes
DAY_DT	The transaction date when the customer order line is created or modified.	DATE	12	Yes
CO_SHIP_TO_CITY	The name of the city this order line is shipped to.	CHARACTER(120)	13	Yes
CO_SHIP_TO_ST_OR_PRIV NC_CDE	The code of the state or province this order line is shipped to.	CHARACTER(30)	14	Yes
CO_SHIP_TO_CNTRY_CD E	The code of the country this order line is shipped to.	CHARACTER(10)	15	Yes
CO_SHIP_TO_PSTL_CDE	The zip code of the address this order line is shipped to (no additional 4 digits code for US address).	CHARACTER(30)	16	Yes
CARRIER_IDNT	The unique identifier of a carrier. A carrier is an entity that ships orders to customers.	CHARACTER(10)	17	Yes
CARRIER_SVC_IDNT	The unique identifier of a carrier service.	CHARACTER(10)	18	Yes
CO_DMND_STTS_IDNT	Predefined demand status codes to show the reason why the order line is cancelled.	CHARACTER(120)	19	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
REF_ITEM_IDNT	The unique identifier of the item that triggered the up-sell, cross-sell, substitute, or partial activity. This column will only be populated when the customer order line type is upsell, cross-sell, substitute, or partial, otherwise it will be -1.	CHARACTER(25)	20	Yes
CO_LINE_TYPE_IDNT	Identifies a customer order line type. The types can be up-sell, cross-sell, normal, return and so on.	CHARACTER(120)	21	Yes
CO_PARTIAL_REASN_IDNT	Identifies the reason the partial order line was created.	CHARACTER(120)	22	Yes
CO_HOLD_EVENT_IDNT	Identifies the event why an order line is being held.	CHARACTER(120)	23	No
DROP_SHIP_IND	An indicator to identify if an item is shipped directly to the customer.	CHARACTER(1)	24	No
CO_GIFT_IND	An indicator to identify if the item on the order line is a gift.	CHARACTER(1)	25	No
CO_EST_DLVRY_DT	Estimated delivery date of the order line.	DATE	26	No
SHIP_DT	The date when the order line was fully shipped.	DATE	27	No
CNCL_DT	The date when the order line was fully canceled.	DATE	28	No
F_CO_QTY	The quantity ordered.	NUMBER(12,4)	29	No
F_RSV_QTY	The quantity reserved.	NUMBER(12,4)	30	No
F_PICK_QTY	The quantity picked.	NUMBER(12,4)	31	No
F_PICK_EOD_QTY	The quantity in pick status at the end of the day.	NUMBER(12,4)	32	No
F_BO_QTY	The quantity backordered.	NUMBER(12,4)	33	No
F_BO_EOD_QTY	The quantity in backorder status at the end of the day.	NUMBER(12,4)	34	No
F_SHIP_QTY	The quantity shipped.	NUMBER(12,4)	35	No
F_CNCL_QTY	The quantity cancelled.	NUMBER(12,4)	36	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CO_UNIT_RTL_AMT	The transaction unit price of the order line item expected to be paid by the customer, in primary currency.	NUMBER(18,4)	37	No
F_CO_UNIT_RTL_AMT_LCL	The transaction unit price of the order line item expected to be paid by the customer, in local currency.	NUMBER(18,4)	38	No
F_CO_MEDIA_UNIT_RTL_AMT	The media selling price of the order line item, in primary currency.	NUMBER(18,4)	39	No
F_CO_MEDIA_UNIT_RTL_AMT_LCL	The media selling price of the order line item, in local currency.	NUMBER(18,4)	40	No
F_ADDL_DLVR_Y_AMT	The additional shipping and handling charge applied to the order line, in primary currency.	NUMBER(18,4)	41	No
F_ADDL_DLVR_Y_AMT_LCL	The additional shipping and handling charge applied to the order line, in local currency.	NUMBER(18,4)	42	No
F_CNCL_ADDL_DLVR_Y_AMT	The amount taken off from the original additional shipping and handling charge due to cancels, in primary currency.	NUMBER(18,4)	43	No
F_CNCL_ADDL_DLVR_Y_AMT_LCL	The amount taken off from the original additional shipping and handling charge due to cancels, in local currency.	NUMBER(18,4)	44	No
F_PRMTN_L_DSCNT_AMT	The total promotional discount applied to the order line, in primary currency.	NUMBER(18,4)	45	No
F_PRMTN_L_DSCNT_AMT_LCL	The total promotional discount applied to the order line, in local currency.	NUMBER(18,4)	46	No
F_CNCL_PRMTN_L_DSCNT_AMT	The amount taken off from the original promotional discount due to cancels, in primary currency.	NUMBER(18,4)	47	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_CNCL_PRMTN_L_DSCN T_AMT_LCL	The amount taken off from the original promotional discount due to cancels, in local currency.	NUMBER(18,4)	48	No
F_SVC_AMT	The sum of the service charges applied to the customer order service lines, in primary currency.	NUMBER(18,4)	49	No
F_SVC_AMT_LCL	The sum of the service charges applied to the customer order service lines, in local currency.	NUMBER(18,4)	50	No
F_CNCL_SVC_AMT	The amount taken off from the original service charge due to cancels, in primary currency.	NUMBER(18,4)	51	No
F_CNCL_SVC_AMT_LCL	The amount taken off from the original service charge due to cancels, in local currency.	NUMBER(18,4)	52	No
F_ADDL_DLVRY_TAX_A MT	The additional shipping and handling charge tax applied to the order line, in primary currency.	NUMBER(18,4)	53	No
F_ADDL_DLVRY_TAX_A MT_LCL	The additional shipping and handling charge tax applied to the order line in local currency.	NUMBER(18,4)	54	No
F_CNCL_ADDL_DLVRY_T AX_AMT	The amount taken off from the original additional shipping and handling charge tax due to cancels, in primary currency.	NUMBER(18,4)	55	No
F_CNCL_ADDL_DLVRY_T AX_AMT_LCL	The amount taken off from the original additional shipping and handling charge tax due to cancels, in local currency.	NUMBER(18,4)	56	No
F_MRCH_TAX_AMT	The merchandise tax applied to the order line, in primary currency.	NUMBER(18,4)	57	No
F_MRCH_TAX_AMT_LCL	The merchandise tax applied to the order line, in local currency.	NUMBER(18,4)	58	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_CNCL_MRCH_TAX_AMT	The amount taken off from the original merchandise tax due to cancels, in primary currency.	NUMBER(18,4)	59	No
F_CNCL_MRCH_TAX_AMT_LCL	The amount taken off from the original merchandise tax due to cancels, in local currency.	NUMBER(18,4)	60	No
F_SVC_TAX_AMT	The service tax applied to the order line, in primary currency.	NUMBER(18,4)	61	No
F_SVC_TAX_AMT_LCL	The service tax applied to the order line, in local currency.	NUMBER(18,4)	62	No
F_CNCL_SVC_TAX_AMT	The amount taken off from the original service tax due to cancels, in primary currency.	NUMBER(18,4)	63	No
F_CNCL_SVC_TAX_AMT_LCL	The amount taken off from the original service charge tax due to cancels, in local currency.	NUMBER(18,4)	64	No

**coprmlnllddm.txt**

## Business rules:

- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file cannot contain duplicate records for the combination of co\_line\_idnt, prmtm\_dtl\_idnt, co\_hdr\_idnt, and day\_dt.
- This interface file contains only the new or changed information since the last extraction from the source system, one record per new or changed order line per day (only the customer order lines that include promotion data are sent through this interface file).
- If the promotion is at the order header level and cannot be broken down to the order line level (free shipping handling), column co\_line\_idnt and other key values should be populated with -1. In addition, column f\_prmtm\_dscnt\_amt and f\_prmtm\_dscnt\_amt\_lcl must be populated (f\_prmtm\_l\_dscnt\_amt and f\_prmtm\_l\_dscnt\_amt\_lcl will not be populated). If the promotion is at the order line level, column f\_prmtm\_l\_dscnt\_amt and f\_prmtm\_l\_dscnt\_amt\_lcl must be populated, and column f\_prmtm\_dscnt\_amt and f\_prmtm\_dscnt\_amt\_lcl must not be populated.
- When an order or order line gets canceled, the source system should send promotions under that order or order line with cancelled status 'C'.
- For service line promotions, the item\_idnt in the interface file must be the non-merchandise item identifier for that service.
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.
- Only changes for the defined fields in the API specifications are considered.
- f\_prmtm\_dscnt\_amt, f\_prmtm\_dscnt\_amt\_lcl, f\_prmtm\_l\_dscnt\_amt, f\_prmtm\_l\_dscnt\_amt\_lcl must keep their original values when any promotional return or promotional cancel occurs. Return columns must be populated when returns happen. Cancel columns must be populated when cancels happen. These columns must be populated for the original order line's service line (as opposed to creating a new promotion line for a return).

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER (30)	1	Yes
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER (30)	2	Yes
PRMTN_DTL_IDNT	The identifier of the promotion detail.	CHARACTER (10)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER (25)	5	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER (25)	6	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER (10)	7	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER (10)	8	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER (4)	9	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	10	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER (30)	11	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER (15)	12	Yes
CO_SHIP_TO_CITY	The name of the city to which this order line is shipped.	CHARACTER (120)	13	Yes
CO_SHIP_TO_ST_OR_PRVNC_CDE	The code of the state or province to which this order line is shipped.	CHARACTER (3)	14	Yes
CO_SHIP_TO_CNTRY_CDE	The code of the country to which this order line is shipped.	CHARACTER (120)	15	Yes
CO_SHIP_TO_PSTL_CDE	The zip code of the address to which this order line is shipped (no additional four digit code for a US address).	CHARACTER (30)	16	Yes
CARRIER_IDNT	The unique identifier of a carrier. A carrier is an entity that ships orders to customers.	CHARACTER (10)	17	Yes
CARRIER_SVC_IDNT	The unique identifier of a carrier service.	CHARACTER (10)	18	Yes
PRMTN_TRIG_TYPE_IDNT	The unique identifier of the promotion trigger type. Valid values can be 'offer code', 'media code', and so on.	NUMBER(6)	19	Yes
PRMTN_TRIG_IDNT	The promotion trigger code identifier.	CHARACTER (25)	20	Yes
CO_HOLD_EVENT_IDNT	Identifies the event why an order line is being held.	CHARACTER (120)	21	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_LINE_TYPE_IDNT	Identifies a customer order line type. The types can be up-sell, cross-sell, normal, return and so on.	CHARACTER (120)	22	Yes
CO_HDR_STTS	The order header status.	CHARACTER (2)	23	Yes
CO_LINE_STTS	The order line status.	CHARACTER (2)	24	Yes
F_PRMTN_DSCNT_AMT	The shipping and handling promotional discount applied to the entire customer order, in primary currency.	NUMBER(18, 4)	25	No
F_PRMTN_DSCNT_AMT_LCL	The total promotional discount applied to the order line, in primary currency.	NUMBER(18, 4)	26	No
F_RTRN_PRMTN_DSCNT_AMT	The amount taken off from the original shipping and handling promotional discount due to returns, in primary currency.	NUMBER(18, 4)	27	No
F_RTRN_PRMTN_DSCNT_AMT_LCL	The amount taken off from the original shipping and handling promotional discount due to returns, in local currency.	NUMBER(18, 4)	28	No
F_PRMTN_L_DSCNT_AMT	The promotional discount amount applied to the customer order line in primary currency. This includes promotional discounts applied at the order header but were prorated to the order lines.	NUMBER(18, 4)	29	No
F_PRMTN_L_DSCNT_AMT_LCL	The promotion discount amount applied to the customer order line in local currency. This includes promotional discounts applied at the order header but were prorated to the order lines.	NUMBER(18, 4)	30	No
F_RTRN_PRMTN_L_DSCNT_AMT	The amount taken off from the original order line promotional discount due to returns, in primary currency.	NUMBER(18, 4)	31	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_RTRN_PRMTN_L_DSCN T_AMT_LCL	The amount taken off from the original order line promotional discount due to returns, in local currency.	NUMBER(18, 4)	32	No

### cortrnlnddm.txt

Business rules:

- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file cannot contain duplication records for a combination of co\_line\_idnt and co\_day\_dt.
- This interface file contains only the previous day's new or changed return, replacement in, or exchange in customer order line information. There is one record per new or changed order line per day. Only customer order lines with a type of return, replacement in or exchange in should be sent through this interface file.
- day\_dt must be populated with the order line create date when the return order line is still in "Pending Return" status. It must be populated with the return date or cancel date when the order line eventually becomes returned or cancelled
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- Only changes for the defined fields in the API specifications are considered.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER (30)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
CO_LINE_DAY_DT	The unique identifier of the date the customer order line was created.	DATE	3	Yes
ITEM_IDNT	The unique identifier of the item being returned.	CHARACTER (25)	4	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER (25)	5	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER (10)	6	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER (10)	7	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
BANNER_IDNT	The unique identifier of the banner.	CHARACTER (4)	8	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	9	Yes
CO_DAY_DT	The customer order creation date.	DATE	10	Yes
CSR_IDNT	The unique identifier for the customer service representative facilitating the return.	CHARACTER (30)	11	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER (15)	12	Yes
RTRN_REASN_IDNT	The unique identifier used to identify a return reason code. These codes should exist in the RMS CODE_DETAIL table under 'SARR' code type.	CHARACTER (6)	13	Yes
DISPO_IDNT	The unique identifier used to identify a disposition code.	CHARACTER (6)	14	Yes
CO_HDR_IDNT	The unique identifier of the customer order to which this return line belongs.	CHARACTER (30)	15	Yes
CO_LINE_TYPE_IDNT	Identifies a customer order line type. The types can be up-sell, cross-sell, normal, return and so on.	CHARACTER (120)	16	Yes
RTRN_STTS_IDNT	The status of the return order line such as pending, return, cancel.	CHARACTER (120)	17	Yes
DROP_SHIP_IND	An indicator to identify if an item is shipped directly to the customer.	CHARACTER (1)	18	No
F_CO_RTRN_QTY	The quantity involved in return, exchange return or replacement return transactions.	NUMBER(12, 4)	19	No
F_RFND_DLVRY_AMT	The total shipping and handling charge refunded to customers, in primary currency.	NUMBER(18, 4)	20	No
F_RFND_DLVRY_AMT_LC	The total shipping and handling charge refunded to customers, in primary currency.	NUMBER(18, 4)	21	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CO_RTRN_RTL_AMT	The transaction retail amount of items requested to be refunded by the customer in the return or exchange transaction, in primary currency	NUMBER(18, 4)	22	No
F_CO_RTRN_RTL_AMT_LCL	The transaction retail amount of items requested to be refunded by the customer in the return or exchange transaction, in local currency	NUMBER(18, 4)	23	No
F_RTRN_PRMTN_L_DSCNT_AMT	The amount taken off from the original promotional discount due to returns, in primary currency.	NUMBER(18, 4)	24	No
F_RTRN_PRMTN_L_DSCNT_AMT_LCL	The amount taken off from the original promotional discount due to returns, in local currency.	NUMBER(18, 4)	25	No
F_RTRN_ADDL_DLVR_Y_AMT	The amount taken off from the original additional shipping and handling charge due to returns, in primary currency.	NUMBER(18, 4)	26	No
F_RTRN_ADDL_DLVR_Y_AMT_LCL	The amount taken off from the original additional shipping and handling charge due to returns, in local currency.	NUMBER(18, 4)	27	No
F_RTRN_SVC_AMT	The amount taken off from the original service charge due to returns, in primary currency.	NUMBER(18, 4)	28	No
F_RTRN_SVC_AMT_LCL	The amount taken off from the original service charge due to returns, in local currency.	NUMBER(18, 4)	29	No
F_RTRN_MRCH_TAX_AMT	The amount taken off from the original merchandise tax due to returns, in primary currency.	NUMBER(18, 4)	30	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_RTRN_MRCH_TAX_AMT_LCL	The amount taken off from the original merchandise tax due to returns, in local currency.	NUMBER(18, 4)	31	No
F_RTRN_ADDL_DLVR_TAX_AMT	The amount taken off from the original additional shipping and handling charge tax due to returns, in primary currency.	NUMBER(18, 4)	32	No
F_RTRN_ADDL_DLVR_TAX_AMT_LCL	The amount taken off from the original additional shipping and handling charge tax due to returns, in local currency.	NUMBER(18, 4)	33	No
F_RTRN_SVC_TAX_AMT	The amount taken off from the original service charge tax due to returns, in primary currency.	NUMBER(18, 4)	34	No
F_RTRN_SVC_TAX_AMT_LCL	The amount taken off from the original service charge tax due to returns, in local currency.	NUMBER(18, 4)	35	No

**coshptodm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file cannot contain duplicate records for the combination of cust\_ship\_to\_city, cust\_ship\_to\_county, cust\_ship\_to\_st\_or\_prvnc\_cde, cust\_ship\_to\_cntry\_cde and cust\_ship\_to\_pstl\_cde.
- This interface file contains only the new customer order ship to addresses for the day.
- If a dimension identifier is required but is not available, a value of -1 is needed.

Name	Description	Data Type/Bytes	Field order	Required field
CO_SHIP_TO_CITY	The customer order ship-to city.	CHARACTER(120)	1	Yes
CO_SHIP_TO_COUNTY	The customer order ship-to county.	CHARACTER(120)	2	Yes
CO_SHIP_TO_ST_OR_PRVNC_CDE	The customer order ship-to state or province code.	CHARACTER(3)	3	Yes
CO_SHIP_TO_ST_OR_PRVNC_DESC	The customer order ship-to state or province description.	CHARACTER(120)	4	No
CO_SHIP_TO_CNTRY_CDE	The customer order ship-to country code.	CHARACTER(10)	5	Yes
CO_SHIP_TO_PSTL_CDE	The customer order ship-to postal code.	CHARACTER(30)	6	Yes

**cosvcliddm.txt**

Business rules:

- This interface file cannot contain duplicate records for a co\_sl\_idnt, co\_line\_idnt, day\_dt combination.
- This interface file contains only the current day's new or updated Value Added Service Line information, one record per new or updated service line per day. Do not include cancelled service lines.
- svc\_colr\_cde contains 'Multi-Color' if a service line has more than one color.
- svc\_font\_cde contains Multi-Font if a service line has more than one font.
- svc\_style\_cde for Personalization(P), Monogramming(M), Gift wrap(W), Care Card(C) and Gift card(G) must match the code for these four service types on the CDE\_DTL\_COM\_DM table.
- loc\_idnt is the unique identifier of the virtual store that sells the items.
- f\_svc\_amt, f\_svc\_amt\_lcl, and f\_svc\_qty must keep their existing values when any service return or service cancel occurs. Only return columns are populated when returns occur, and only cancel columns are populated when cancels occur. These fields remain in the same record rather than in a separate record.
- All the quantity and amount fields are transactional quantities and amounts. These transactional quantities and amounts must contain the delta values of the previous value and current value. They must be filled in when a transaction occurred.

- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- Only changes for the defined fields in the API specifications are considered.
- This interface file follows the fact flat file interface layout standard.
- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_SL_IDNT	The identifier for a customer order service line.	CHARACTER(30)	1	Yes
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER(30)	2	Yes
DAY_DT	The calendar day on which the customer order service line is created or modified.	DATE	3	Yes
CO_DAY_DT	The customer order creation date.	DATE	4	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	5	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	6	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER(10)	7	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER(10)	8	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	9	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	10	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	11	Yes
CUST_IDNT	The unique identifier of the customer placing the order.	CHARACTER(15)	12	Yes
SVC_STYLE_CDE	The code used to identify a service line style.	CHARACTER(120)	13	Yes
SVC_COLR_CDE	The code used to identify a service line color.	CHARACTER(120)	14	Yes
SVC_FONT_CDE	The code used to identify a service line font.	CHARACTER(120)	15	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
SVC_TYPE_CDE	The code used to identify a type of value added service.	CHARACTER(120)	16	Yes
CO_LINE_TYPE_IDNT	Identifies a customer order line type. The types can be up-sell, cross-sell, normal, return and so on.	CHARACTER(120)	17	Yes
F_SVC_AMT	The service charge applied in primary currency.	NUMBER(18,4)	18	No
F_SVC_AMT_LCL	The service charge applied in local currency.	NUMBER(18,4)	19	No
F_RTRN_SVC_AMT	The amount taken off from the original service charge due to returns, in primary currency.	NUMBER(18,4)	20	No
F_RTRN_SVC_AMT_LCL	The amount taken off from the original service charge due to returns, in local currency.	NUMBER(18,4)	21	No
F_CNCL_SVC_AMT	The amount taken off from the original service charge due to cancels, in primary currency.	NUMBER(18,4)	22	No
F_CNCL_SVC_AMT_LCL	The amount taken off from the original service charge due to cancels, in local currency.	NUMBER(18,4)	23	No
F_SVC_QTY	The service quantity ordered	NUMBER(12,4)	24	No
F_RTRN_SVC_QTY	The quantity taken off from the original service quantity due to returns.	NUMBER(12,4)	25	No
F_CNCL_SVC_QTY	The quantity taken off from the original service quantity due to cancels.	NUMBER(12,4)	26	No

**cosvclilsg\_pre.txt**

## Business rules:

- This interface file cannot contain duplicate records for a co\_sl\_idnt, co\_line\_idnt combination.
- This interface file follows the fact flat file interface layout standard.
- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file contains only the current day's new or updated Value Added Service Line information, one record per new or updated service line per day. Do not include cancelled service lines.
- svc\_colr\_cde contains 'Multi-Color' if a service line has more than one color.
- svc\_font\_cde contains Multi-Font if a service line has more than one font.
- svc\_style\_cde for Personalization(P), Monogramming(M), Gift wrap(W), Care Card(C) and Gift card(G) must match the code for these four service types on the CDE\_DTL\_COM\_DM table.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- loc\_idnt is the unique identifier of the virtual store that sells the items.
- f\_svc\_amt, f\_svc\_amt\_lcl, and f\_svc\_qty must keep their existing values when any service return or service cancel occurs. Only return columns are populated when returns occur, and only cancel columns are populated when cancels occur. These fields remain in the same record rather than in a separate record.
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- Fields must be populated with the latest value for the field as of the end of the day.

Name	Description	Data Type/Bytes	Field Order	Required Field
CO_SL_IDNT	The identifier for a customer order service line.	CHARACTER(30)	1	Yes
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER(30)	2	Yes
DAY_DT	The calendar day when the customer order service line is created or modified.	DATE	3	Yes
CO_DAY_DT	The customer order creation date.	DATE	4	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	5	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	6	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header-level media.	CHARACTER(10)	7	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
LINE_MEDIA_IDNT	The unique identifier of the customer order line-level media.	CHARACTER(10)	8	Yes
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	9	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	10	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	11	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	12	Yes
SVC_STYLE_IDNT	The identifier of the service style.	CHARACTER(120)	13	Yes
SVC_COLR_IDNT	The identifier of the service color.	CHARACTER(120)	14	Yes
SVC_FONT_IDNT	The identifier of the service font.	CHARACTER(120)	15	Yes
SVC_TYPE_IDNT	The identifier of the service type.	CHARACTER(120)	16	Yes
CO_LINE_TYPE_IDNT	Identifies a customer order line type. The types can be up-sell, cross-sell, normal, return and so on.	CHARACTER(120)	17	Yes
F_SVC_AMT	The service charge applied in primary currency.	NUMBER(18,4)	18	No
F_SVC_AMT_LCL	The service charge applied in local currency.	NUMBER(18,4)	19	No
F_RTRN_SVC_AMT	The amount taken off from the original service charge due to returns, in primary currency.	NUMBER(18,4)	20	No
F_RTRN_SVC_AMT_LCL	The amount taken off from the original service charge due to returns, in local currency.	NUMBER(18,4)	21	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CNCL_SVC_AMT	The amount taken off from the original service charge due to cancels, in primary currency.	NUMBER(18,4)	22	No
F_CNCL_SVC_AMT_LCL	The amount taken off from the original service charge due to cancels, in local currency.	NUMBER(18,4)	23	No
F_SVC_QTY	The service quantity ordered.	NUMBER(12,4)	24	No
F_RTRN_SVC_QTY	The quantity taken off from the original service quantity due to returns.	NUMBER(18,4)	25	No
F_CNCL_SVC_QTY	The quantity taken off from the original service quantity due to cancels.	NUMBER(12,4)	26	No

**crnycddm.txt**

Business rules:

- This interface file contains currency code information.
- This interface file cannot contain duplicate records for a crnyc\_cde\_idnt.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field order	Required field
CRNCY_CDE_IDNT	The unique identifier of the currency code.	CHARACTER(10)	1	Yes
CRNCY_CDE_DESC	The description of local currency code. That is, description for USD = US Dollar.	CHARACTER(120)	2	Yes

**crrdm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file cannot contain duplicate records for a carrier\_idnt.

Name	Description	Data Type/Bytes	Field Order	Required Field
CARRIER_IDNT	The unique identifier of a carrier. A carrier is an entity that ships orders to customers.	CHARACTER(10)	1	Yes

CARRIER_DESC	Description for the carrier.	CHARACTER(1 20)	No
--------------	------------------------------	-----------------	----

**crrsvcdm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file cannot contain duplicate records for a carrier\_svc\_idnt.

Name	Description	Data Type/Bytes	Field Order	Required Field
CARRIER_SVC_IDNT	The unique identifier of a carrier service.	CHARACTER( 10)	1	Yes
CARRIER_SVC_DESC	Description for the carrier service.	CHARACTER( 120)	2	No

**csrdrm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file cannot contain duplicate records for a csr\_idnt.

Name	Description	Data Type/Bytes	Field Order	Required Field
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	1	Yes
CALL_CTR_IDNT	The unique identifier of a call center.	CHARACTER(10)	3	Yes
CSR_NAME	The name of the customer service representative.	CHARACTER(120)	2	No

**cstislddm.txt**

Business rules:

- This interface file contains cost information for an item, supplier, and location combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, supp\_idnt and day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field order	Required field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
F_BASE_COST_AMT	The cost valuation in primary currency	NUMBER(18,4)	5	No
F_BASE_COST_AMT_LCL	The cost valuation in local currency	NUMBER(18,4)	6	No

**custacctdm.txt**

Business rules:

- This interface file contains customer and account number relationships. This table allows account numbers to be linked to specific customers. In the case that two customers have the same account, only the primary account holder can be in this file.
- This interface file cannot contain duplicate records for a cust\_idnt, acct\_nbr, acct\_type\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	1	Yes
ACCNT_NBR	The customer account number (that is, from a checking, credit card or loyalty card account).	CHARACTER(30)	2	Yes
ACCNT_TYPE_IDNT	The unique identifier of an account type.	CHARACTER(6)	3	Yes
ACCNT_TYPE_DESC	The description of account type (that is, checking, VISA, Master Card ...).	CHARACTER(120)	4	Yes
RECD_TYPE	The type code of the record. Valid values are 'I' for insert, 'U' for update, and 'X' for delete.	CHARACTER(1)	5	Yes

**custaccttypedm.txt**

Business rules:

- This interface file cannot contain duplicate records for a customer acct\_type\_idnt.
- This interface file contains the complete snapshot of active information.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
ACCNT_TYPE_IDNT	The unique identifier of an account type.	CHARACTER(6)	1	Yes
ACCNT_TYPE_DESC	The description of account type (that is, checking, VISA, Master Card ...).	CHARACTER(120)	2	No
ACCNT_GRP_IDNT	The unique identifier of an account group.	CHARACTER(6)	3	Yes
ACCNT_GRP_DESC	The description of account group (that is, credit cards, loyalty cards ...).	CHARACTER(120)	4	No

**custclstrdm.txt**

Business rules:

- This interface file contains all customer clusters and their descriptions. The data must come from an external source.
- This interface file cannot contain duplicate records for a cust\_clstr\_key, cust\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
CUST_CLSTR_KEY	Surrogate key to identify a customer cluster.	NUMBER(4)	1	Yes
CUST_CLSTR_DESC	The reference name for this cluster of customers.	CHARACTER(30)	2	No
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	3	Yes

**custclstrimdm.txt**

Business rules:

- This interface file defines the associations between tracking level items and customer clusters.
- This interface file cannot contain duplicate records for a cust\_clstr\_key, item\_idnt combination.

Name	Description	Data Type/Bytes	Field Order	Required Field
CUST_CLSTR_KEY	Surrogate key to identify a customer cluster.	NUMBER(4)	1	yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	2	Yes

**custdm.txt**

Business rules:

- This interface file contains customer information.
- This interface file cannot contain duplicate records for a customer identifier.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains only the latest information of the current day's new customers or updated customers in the source system.
- Only changes for the defined fields in the API specifications are considered.

Name	Description	Data Type/Bytes	Field Order	Required Field
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	1	Yes
CUST_FIRST_NAME	First name of customer.	CHARACTER(120)	2	Yes
CUST_LAST_NAME	Last name of customer.	CHARACTER(120)	3	Yes
CUST_MIDDLE_NAME	The middle initial of customer.	CHARACTER(120)	4	No
CUST_TITLE	The label or heading preceding an individual's name. That is: Mr., Ms., Mrs., Dr.	CHARACTER(12)	5	No
CUST_SUFFIX	The label following an individual's name. That is: Jr. or Sr.	CHARACTER(12)	6	No
CUST_ADDR_1	The customer's address line 1, that is, street address.	CHARACTER(255)	7	No
CUST_ADDR_2	The customer's address line 2, that is, suite or apartment number.	CHARACTER(255)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
CUST_ADDR_3	The customer's address line 3, that is, company name.	CHARACTER(255)	9	No
CUST_CITY	The customer's city.	CHARACTER(120)	10	No
CUST_COUNTY	The customer's county.	CHARACTER(120)	11	No
CUST_ST_OR_PRVNC_CDE	The customer's state or province code.	CHARACTER(3)	12	No
CUST_ST_OR_PRVNC_DESC	The customer's state or province description.	CHARACTER(120)	13	No
CUST_CNTRY_CDE	The customer's country code.	CHARACTER(10)	14	No
CUST_PSTL_CDE	The customer's postal code.	CHARACTER(30)	15	No
CUST_PSTL_CDE_4	The customer's postal code extension.	CHARACTER(4)	16	No
CUST_MAIL_ALLWD_IND	Indicates if marketing information can be sent to the customer.	CHARACTER(1)	17	No
CUST_EMAIL	The email address for the customer.	CHARACTER(100)	18	No
CUST_DT_OF_BIRTH	The date of birth of the customer.	DATE	19	No
CUST_OCCPN	The job which the customer holds.	CHARACTER(64)	20	No
CUST_INCOME	The customer's annual income.	NUMBER(18,4)	21	No
CUST_HH_SIZE	The number of people within one household.	NUMBER(2)	22	No
CUST_CHILD_QTY	The number of children the customer has.	NUMBER(2)	23	No
CUST_MARITAL_CDE	The code used to identify a marital status.	CHARACTER(12)	24	No
CUST_MARITAL_DESC	The marital description of the customer.	CHARACTER(120)	25	No
CUST_GENDER_CDE	The code used to identify a gender.	CHARACTER(12)	26	No
CUST_GENDER_DESC	The gender description of the customer.	CHARACTER(120)	27	No
CUST_ETHNIC_CDE	The code assigned to a customer to identify the ethnicity of the customer.	CHARACTER(12)	28	No
CUST_ETHNIC_DESC	The ethnic background of the customer.	CHARACTER(120)	29	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
CUST_STTS_CDE	The code assigned to a customer to identify the status of a customer.	CHARACTER(15)	30	No
CUST_STTS_DESC	The status of a customer. That is: active or inactive.	CHARACTER(160)	31	No
CUST_TAX_IDNT	The unique identifier given to a customer by government for taxing purposes.	CHARACTER(30)	32	No
CUST_LEGAL_IDNT	The unique identifier given to a customer by government to identify the customer's legal identity. That is a Social Security Number.	CHARACTER(20)	33	No
CUST_LEGAL_DESC	The type of legal identity, such a Social Security Number.	CHARACTER(160)	34	No
CUST_ST_IDNT	The unique identifier given to a customer by a state government agency. Often this is a driver's license number.	CHARACTER(20)	35	No
CUST_TYPE_IDNT	The unique identifier used to determine the type of customer.	CHARACTER(15)	36	No
CUST_TYPE_DESC	The description of the type of customer. That is: employee, distributor, etc	CHARACTER(160)	37	No
CUST_EXT_STRAT_IDNT	The unique identifier used to determine how a customer was obtained.	CHARACTER(15)	38	No
RECD_TYPE	The type code of the record. Valid values are 'I' for insert, 'U' for update, and 'X' for delete.	CHARACTER(1)	39	Yes

**dpctdm.txt**

Business rules:

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file cannot contain duplicate records for a dpct\_idnt.
- This interface file contains depiction code information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DPCT_IDNT	The unique identifier of a depiction. A depiction identifies the creative representation that was used to present a selling item or group of selling items to the customer within a media.	CHARACTER(25)	1	Yes
DPCT_DESC	The description of the depiction.	CHARACTER(120)	2	No

**emplydm.txt**

Business rules:

- This interface file contains the employee data.
- This interface file cannot contain duplicate records for an emply\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field order</b>	<b>Required field</b>
EMPLY_IDNT	The unique identifier of the employee.	CHARACTER(10)	1	Yes
EMPLY_NAME	The name of the employee.	CHARACTER(120)	2	Yes
EMPLY_ROLE	Indicates the type of position the employee holds. 'C'ashier, 'S'alesperson, 'O'ther.	CHARACTER(1)	3	Yes

**exchngratedm.txt**

Business rules:

- This interface file contains currency exchange rate information.
- This interface file cannot contain duplicate records for a crncy\_cde\_idnt, day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains only the current day's new or changed information.

Name	Description	Data Type/Bytes	Field Order	Required Field
CRNCY_CDE_IDNT	The unique identifier of the currency code.	CHARACTER(10)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
F_EXCHNG_RATE	The current exchange rate for the currency based on the primary currency.	NUMBER(18,4)	3	No

**geocdedm.txt**

Business rules:

- This interface file contains the different types of geographical codes.
- This interface file cannot contain duplicate records for a geo\_cde\_idnt.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
GEO_CDE_IDNT	The unique Identifier for a geographic area.	CHARACTER(10)	1	Yes
GEO_CDE_DESC	The description for a geographic area.	CHARACTER(30)	2	No
GEO_AGE	The average age of the people living within the geographic area.	NUMBER(4,1)	3	No
GEO_ANCESTRY_CDE	The ancestry code for a geographic area.	CHARACTER(4)	4	No
GEO_ANCESTRY_CDE_DESC	The ancestry code description for a geographic area.	CHARACTER(30)	5	No
GEO_AUTO_AVAIL_NBR	The auto available number for a geographic area.	NUMBER(3,1)	6	No
GEO_COMMUTE_TIME	The average commute time for a geographic area.	NUMBER(5,2)	7	No

Name	Description	Data Type/Bytes	Field Order	Required Field
GEO_EDU_LVL_CDE	The cde identifying the average education level for a geographic area.	CHARACTER(4)	8	No
GEO_EDU_LVL_CDE_DESC	The average education level for a geographic area.	CHARACTER(30)	9	No
GEO_FAMILY_TYPE_CDE	The family type code for a geographical area	CHARACTER(4)	10	No
GEO_FAMILY_TYPE_CDE_DESC	The description of the family type code.	CHARACTER(30)	11	No
GEO_HOME_NBR_ROOMS	The average number of rooms per home.	NUMBER(4,1)	12	No
GEO_HOUSEHOLD_INCOME	The average household income in a geographical area.	NUMBER(15)	13	No
GEO_HOUSING_VALUE	The average house value for a geographic area.	NUMBER(15)	14	No
GEO_INDUSTRY_CDE	The code for the type of industry in a geographical area.	CHARACTER(4)	15	No
GEO_INDUSTRY_CDE_DESC	The description of the industry code.	CHARACTER(30)	16	No
GEO_MALE_TO_FEMALE_RAT	The male to female ratio for a geographic area.	NUMBER(12,4)	17	No
GEO_PER_CAPITA_INCOME	Per capita income for a geographic area.	NUMBER(15)	18	No
GEO_PERSONS_TOT	The total number of people in a geographical area.	NUMBER(12)	19	No
GEO_POVERTY_TOT	The total number of people in poverty for a geographic area.	NUMBER(9)	20	No
GEO_RENT_TO_OWN_RAT	The ratio of number of people who rent to the number of people who own houses for a geographic area.	NUMBER(12,4)	21	No
GEO_RETIREMENT_INCOME	The average retirement income for a geographical area.	NUMBER(15)	22	No
GEO_URBAN_TO_RURAL_RAT	The urban to rural ratio for a geographical area.	NUMBER(12,4)	23	No

Name	Description	Data Type/Bytes	Field Order	Required Field
GEO_YR_HOME_BUILT	The average year a home was built in a geographic area.	NUMBER(4)	24	No

### invilddm.txt

Business rules:

- This interface file contains end of day inventory levels and status for an item and location combination on a given day.
- This interface file cannot contain duplicate records for an item\_idnt, loc\_idnt, day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains only the current day's new or changed information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field order	Required field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	4	Yes
RTL_TYPE_CDE	The price type ('R'egular, 'P'romotion, 'C'learance).	CHARACTER(2)	5	Yes
F_I_SOH_QTY	The total quantity of inventory on hand.	NUMBER(12,4)	6	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_SOH_COST_AMT	The extended cost amount of inventory in stock in primary currency. The product of the weighted average cost in primary currency and the current stock on hand quantity.	NUMBER(18,4)	7	No
F_I_SOH_COST_AMT_LCL	The extended cost amount of inventory in stock in local currency. The product of the weighted average cost in local currency and the current stock on hand quantity.	NUMBER(18,4)	8	No
F_I_SOH_RTL_AMT	The extended retail amount of inventory in stock in primary currency. The product of the unit retail in primary currency and the current stock on hand quantity.	NUMBER(18,4)	9	No
F_I_SOH_RTL_AMT_LCL	The extended retail amount of inventory in stock in local currency. The product of the unit retail in local currency and the current stock on hand quantity.	NUMBER(18,4)	10	No
F_I_ON_ORD_QTY	The quantity of inventory on order.	NUMBER(12,4)	11	No
F_I_ON_ORD_COST_AMT	The extended cost amount of inventory on order in primary currency. The product of the order unit cost in primary currency and the current on order quantity.	NUMBER(18,4)	12	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_ON_ORD_COST_AMT_LCL	The extended cost amount of inventory on order in local currency. The product of the order unit cost in local currency and the current on order quantity.	NUMBER(18,4)	13	No
F_I_ON_ORD_RTL_AMT	The extended retail amount of inventory on order in primary currency. The product of the order unit retail in primary currency and the current on order quantity.	NUMBER(18,4)	14	No
F_I_ON_ORD_RTL_AMT_LCL	The extended retail amount of inventory on order in local currency. The product of the order unit retail in local currency and the current on order quantity.	NUMBER(18,4)	15	No
F_I_IN_TRNST_QTY	The total quantity of inventory in transit.	NUMBER(12,4)	16	No
F_I_IN_TRNST_COST_AMT	The extended cost amount of inventory in transit in primary currency. The product of the weighted average cost in primary currency and the current in transit quantity.	NUMBER(18,4)	17	No
F_I_IN_TRNST_COST_AMT_LCL	The extended cost amount of inventory in transit in local currency. The product of the weighted average cost in local currency and the current in transit quantity.	NUMBER(18,4)	18	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_IN_TRNST_RTL_AMT	The extended retail amount of inventory in transit in primary currency. The product of the unit retail in primary currency and the current in transit quantity.	NUMBER(18,4)	19	No
F_I_IN_TRNST_RTL_AMT_LCL	The extended retail amount of inventory in transit in local currency. The product of the unit retail in local currency and the current in transit quantity.	NUMBER(18,4)	20	No
F_I_ALLOC_RSV_QTY	The allocated reserved quantity. The warehouse-to-store reserved quantity, composed of reserved quantity for allocations and the reserved quantity for transfers from warehouse to store.	NUMBER(12,4)	21	No
F_I_ALLOC_RSV_COST_AMT	The allocated reserved extended cost amount in primary currency. The product of the weighted average cost in primary currency and the current allocated reserved quantity.	NUMBER(18,4)	22	No
F_I_ALLOC_RSV_COST_AMT_LCL	The allocated reserved extended cost amount in local currency. The product of the weighted average cost in local currency and the current allocated reserved quantity.	NUMBER(18,4)	23	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_ALLOC_RSV_RTL_AMT	The allocated reserved extended retail amount in primary currency. The product of the unit retail in primary currency and the current allocated reserved quantity.	NUMBER(18,4)	24	No
F_I_ALLOC_RSV_RTL_AMT_LCL	The allocated reserved extended retail amount in local currency. The product of the unit retail in local currency and the current allocated reserved quantity.	NUMBER(18,4)	25	No
F_I_TRNSFR_RSV_QTY	The transfer reserved quantity. The store-to-store reserved quantity, composed of the quantity of transfers from store to store that have not been shipped.	NUMBER(12,4)	26	No
F_I_TRNSFR_RSV_COST_AMT	The transfer reserved extended cost amount in primary currency. The product of the weighted average cost in primary currency and the current transfer reserved quantity.	NUMBER(18,4)	27	No
F_I_TRNSFR_RSV_COST_AMT_LCL	The transfer reserved extended cost amount in local currency. The product of the weighted average cost in local currency and the current transfer reserved quantity.	NUMBER(18,4)	28	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_TRNSFR_RSV_RTL_AMT	The transfer reserved extended retail amount in primary currency. The product of the unit retail in primary currency and the current transfer reserved quantity.	NUMBER(18,4)	29	No
F_I_TRNSFR_RSV_RTL_AMT_LCL	The transfer reserved extended retail amount in local currency. The product of the unit retail in local currency and the current transfer reserved quantity.	NUMBER(18,4)	30	No
F_I_REPL_ACTV_FLAG	Flag to indicate if end date of this record's time period is within the active and inactive dates for replenishment.	CHARACTER(1)	31	No
F_I_REPL_CALC_MTHD_CDE	This column holds the replenishment method code value.	CHARACTER(2)	32	No
F_I_MIN_SOH_QTY	The minimum stock on hand quantity.	NUMBER(12,4)	33	No
F_I_MIN_SOH_COST_AMT	The extended cost amount of minimum stock on hand in primary currency. The product of the average weighted cost in primary currency and the current minimum stock on hand quantity.	NUMBER(18,4)	34	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_MIN_SOH_COST_AMT_LCL	The extended cost amount of minimum stock on hand in local currency. The product of the average weighted cost in local currency and the current minimum stock on hand quantity.	NUMBER(18,4)	35	No
F_I_MIN_SOH_RTL_AMT	The extended retail amount of minimum stock on hand in primary currency. The product of the unit retail in primary currency and the current minimum stock on hand quantity.	NUMBER(18,4)	36	No
F_I_MIN_SOH_RTL_AMT_LCL	The extended retail amount of minimum stock on hand in local currency. The product of the unit retail in local currency and the current minimum stock on hand quantity.	NUMBER(18,4)	37	No
F_I_MAX_SOH_QTY	The maximum stock on hand quantity.	NUMBER(12,4)	38	No
F_I_MAX_SOH_COST_AMT	The extended cost amount of maximum stock on hand in primary currency. The product of the average weighted cost in primary currency and the current maximum stock on hand quantity.	NUMBER(18,4)	39	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field order</b>	<b>Required field</b>
F_I_MAX_SOH_COST_AMT_LCL	The extended cost amount of maximum stock on hand in local currency. The product of the average weighted cost in local currency and the current maximum stock on hand quantity.	NUMBER(18,4)	40	No
F_I_MAX_SOH_RTL_AMT	The extended retail amount of maximum stock on hand in primary currency. The product of the unit retail in primary currency and the current maximum stock on hand quantity.	NUMBER(18,4)	41	No
F_I_MAX_SOH_RTL_AMT_LCL	The extended retail amount of maximum stock on hand in local currency. The product of the unit retail in local currency and the current maximum stock on hand quantity.	NUMBER(18,4)	42	No
F_I_INCR_PCT	The replenishment incremental percentage or multiple value.	NUMBER(12,4)	43	No
F_I_COST_AMT	The weighted average cost for stock in primary currency.	NUMBER(18,4)	44	No
F_I_COST_AMT_LCL	The weighted average cost for stock in local currency.	NUMBER(18,4)	45	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field order</b>	<b>Required field</b>
F_I_STD_COST_AMT	The cost of the latest item supplied in primary currency. Used to reflect the difference in unit cost if cost method accounting is used.	NUMBER(18,4)	46	No
F_I_STD_COST_AMT_LCL	The cost of the latest item supplied in local currency. Used to reflect the difference in unit cost if cost method accounting is used.	NUMBER(18,4)	47	No
F_I_RTL_AMT	The corporate unit purchase price for stock in primary currency.	NUMBER(18,4)	48	No
F_I_RTL_AMT_LCL	The corporate unit purchase price for stock in local currency.	NUMBER(18,4)	49	No
F_I_AGED_30_60_QTY	This column is not populated in the base version of RDW. This fact is used to record the quantity of inventory that is between 30 and 60 days old at this location on this day.	NUMBER(12,4)	50	No
F_I_AGED_61_90_QTY	This column is not populated in the base version of RDW. This fact is used to record the quantity of inventory that is between 61 and 90 days old at this location on this day.	NUMBER(12,4)	51	No

Name	Description	Data Type/Bytes	Field order	Required field
F_I_AGED_91_120_QTY	This column is not populated in the base version of RDW. This fact is used to record the quantity of inventory that is between 91 and 120 days old at this location on this day.	NUMBER(12,4)	52	No
F_I_AGED_121_QTY	This column is not populated in the base version of RDW. This fact is used to record the quantity of inventory that is 121 days old or older at this location on this day.	NUMBER(12,4)	53	No
F_I_SLS_ADMN_COST_AMT	This fact could be used to store additional cost information for this item, location, and day relationship. Sales and admin cost.	NUMBER(18,4)	54	No
F_I_DIST_COST_AMT	This column is not populated in the base version of RDW. This fact could be used to store additional cost information for this item, location, and day relationship. Supply chain cost.	NUMBER(18,4)	55	No

### itmclstrcmdm.txt

Business rules:

- This interface file contains the relationship between customers and item clusters.
- This interface file cannot contain duplicate records for an item\_clstr\_key, cust\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

---

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ITEM_CLSTR_KEY	Surrogate key used to identify an Item cluster. This column is used for Behavior Profiling.	NUMBER(4)	1	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	2	Yes

---

**ivailddm.txt**

## Business rules:

- This interface file contains the inventory adjustment data for an item, location, and reason combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, reasn\_type\_idnt, reasn\_cde\_idnt, and day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
F_I_ADJ_QTY	The quantity of the adjustment to the total stock on hand.	NUMBER(12,4)	5	No
F_I_ADJ_COST_AMT	The cost amount of total stock on hand adjustment in primary currency.	NUMBER(18,4)	6	No
F_I_ADJ_COST_AMT_LCL	The cost amount of total stock on hand adjustment in local currency.	NUMBER(18,4)	7	No
F_I_ADJ_RTL_AMT	The retail amount of total stock on hand adjustment in primary currency.	NUMBER(18,4)	8	No
F_I_ADJ_RTL_AMT_LCL	The retail amount of total stock on hand adjustment in local currency.	NUMBER(18,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER(6)	10	Yes
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER(6)	11	Yes

### ivrcpiddm.txt

Business rules:

- This interface file contains inventory receipts for an item and location combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, and day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_I_RCPTS_QTY	The receipt quantity.	NUMBER(12,4)	4	No
F_I_RCPTS_COST_AMT	The receipt cost amount in primary currency.	NUMBER(18,4)	5	No
F_I_RCPTS_COST_AMT_LCL	The receipt cost amount in local currency.	NUMBER(18,4)	6	No
F_I_RCPTS_RTL_AMT	The receipt retail amount in primary currency.	NUMBER(18,4)	7	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_I_RCPTS_RTL_AMT_LCL	The receipt retail amount in local currency.	NUMBER(18,4)	8	No

### ivriddm.txt

Business rules:

- This interface file contains data on inventory returned to a supplier for a supplier, item, reason, and location combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, supp\_idnt, loc\_idnt, and day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	1	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	3	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	4	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	5	Yes
F_I_RTV_QTY	The quantity of the stock returned to vendor.	NUMBER(12,4)	6	No
F_I_RTV_COST_AMT	The cost of the stock returned to vendor in primary currency.	NUMBER(18,4)	7	No
F_I_RTV_COST_AMT_LCL	The cost of the stock returned to vendor in local currency.	NUMBER(18,4)	8	No
F_I_RTV_RTL_AMT	The retail amount of the stock returned to vendor, in primary currency.	NUMBER(18,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_I_RTV_RTL_AMT_LCL	The retail amount of the stock returned to vendor, in local currency.	NUMBER(18,4)	10	No
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER(6)	11	Yes
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER(6)	12	Yes

### ivtilddm.txt

Business rules:

- This interface file contains inventory transfers for an item, from-location, to-location, and transfer type combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, from\_loc\_idnt, tsf\_type\_cde, and day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
FROM_LOC_IDNT	The unique identifier for a source location for the transfer.	CHARACTER(10)	3	Yes
TSF_TYPE_CDE		CHARACTER(2)	4	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	5	Yes
F_I_TSF_TO_LOC_QTY	The quantity transferred to a destination location.	NUMBER(12,4)	6	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_I_TSF_TO_LOC_COST_AMT	The transfer cost amount for a destination location in primary currency.	NUMBER(18,4)	7	No
F_I_TSF_TO_LOC_COST_AMT_LCL	The transfer cost amount for a destination location in the destination's local currency.	NUMBER(18,4)	8	No
F_I_TSF_TO_LOC_RTL_AMT	The transfer retail amount for a destination location in primary currency.	NUMBER(18,4)	9	No
F_I_TSF_TO_LOC_RTL_AMT_LCL	The transfer retail amount for a destination location in the destination's local currency.	NUMBER(18,4)	10	No
F_I_TSF_FROM_LOC_QTY	The quantity transferred from a source location.	NUMBER(12,4)	11	No
F_I_TSF_FROM_LOC_COST_AMT	The transfer cost amount for a source location in primary currency.	NUMBER(18,4)	12	No
F_I_TSF_FROM_LOC_COST_AMT_LCL	The transfer cost amount for a source location in the source's local currency.	NUMBER(18,4)	13	No
F_I_TSF_FROM_LOC_RTL_AMT	The transfer retail amount for a source location in primary currency.	NUMBER(18,4)	14	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_I_TSF_FROM_LOC_RTL_AMT_LCL	The transfer retail amount for a source location in the source's local currency.	NUMBER(18,4)	15	No

### **ivuilddm.txt**

Business rules:

- This interface file contains unavailable inventory for an item, location combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt and day\_dt combination.
- It is not possible to have a different prod\_seasn\_key for the same item, loc and day combination. Therefore, the prod\_seasn\_key is not part of a primary key for any facts on the item, loc and day level. With the aggregation, it is possible to have a different prod\_seasn\_key at the subclass level for the same loc and day combination, or at the week level for the same item and loc combination. Therefore, the prod\_seasn\_key is part of the primary key for facts at the subclass and/or the week level.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_I_UNAVL_QTY	The quantity of the item marked as non-sellable at the location.	NUMBER(12,4)	4	No
F_I_UNAVL_COST_AMT	The extended cost amount of unavailable inventory in primary currency. The product of the weighted average cost in primary currency and the current unavailable quantity.	NUMBER(18,4)	5	No
F_I_UNAVL_COST_AMT_LCL	The extended cost amount of unavailable inventory in local currency. The product of the weighted average cost in local currency and the current unavailable quantity.	NUMBER(18,4)	6	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_I_UNAVL_RTL_AMT	The extended retail amount of unavailable inventory in primary currency. The product of the unit retail in primary currency and the current unavailable quantity.	NUMBER(18,4)	7	No
F_I_UNAVL_RTL_AMT_LCL	The extended retail amount of unavailable inventory in local currency. The product of the unit retail in local currency and the current unavailable quantity.	NUMBER(18,4)	8	No
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER(6)	9	Yes
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER(6)	10	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	11	Yes

### lptldm.txt

Business rules:

- This interface file contains all the loss prevention transactions at the transaction-location-day-minute level.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
TRAN_IDNT	The unique identifier of the transaction.	CHARACTER(30)	1	Yes

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
MIN_IDNT	The unique identifier of the minute.	NUMBER(4)	4	Yes
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER(6)	5	Yes
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER(6)	6	Yes
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER(10)	7	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER(10)	8	Yes
F_LP_AMT	The loss prevention amount, in primary currency.	NUMBER(18,4)	9	No
F_LP_AMT_LCL	The loss prevention transaction amount, in local currency.	NUMBER(18,4)	10	No
F_DISC_COUPON_COUNT	Total count of discount coupons used on one transaction. Discount coupons are issued by the store as opposed to the manufacturer.	NUMBER(16,4)	11	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_DISC_COUPON_AMT	Total amount of discount coupons used on one transaction, in primary currency. Discount coupons are issued by the store as opposed to the manufacturer.	NUMBER(18,4)	12	No
F_DISC_COUPON_AMT_LCL	Total amount of discount coupons used on one transaction, in local currency. Discount coupons are issued by the store as opposed to the manufacturer.	NUMBER(18,4)	13	No

### lptotclddm.txt

Business rules:

- This interface file contains loss prevention over/short totals.
- Amounts are summed in the target table by cshr\_idnt, rgstr\_idnt, loc\_idnt, and day\_dt.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER(10)	4	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
F_DRAWER_OS_AMT	The over/short amount in primary currency.	NUMBER(18,4)	5	No
F_DRAWER_OS_AMT_LCL	The over/short amount in local currency.	NUMBER(18,4)	6	No

**lptotlddm.txt**

Business rules:

- This interface file contains user-defined loss prevention totals.
- Amounts are summed in the target table by total type, location, and day.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
TOTAL_TYPE_IDNT	The original identifier for the total to be reconciled.	CHARACTER(10)	3	Yes
F_TOTAL_AMT	The total amount in primary currency.	NUMBER(18,4)	4	No
F_TOTAL_AMT_LCL	The total amount in local currency.	NUMBER(18,4)	5	No

**maralmdm.txt**

## Business rules

- This interface file contains the associations between location and market data.
- This interface file cannot contain duplicate records for a loc\_idnt, mkt\_area\_level1\_idnt, mkt\_area\_level2\_idnt, and mkt\_area\_level3\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	1	Yes
MKT_AREA_LEVEL3_IDNT	The unique identifier of the level three market area.	CHARACTER(16)	2	Yes
MKT_AREA_LEVEL2_IDNT	The unique identifier of the level two market area.	CHARACTER(16)	3	Yes
MKT_AREA_LEVEL1_IDNT	The unique identifier of the level one market area.	CHARACTER(16)	4	Yes

**maralvldm.txt**

## Business rules:

- This interface file contains market area level information.
- This interface file cannot contain duplicate records for a mkt\_area\_level1\_idnt, mkt\_area\_level2\_idnt and mkt\_area\_level3\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_AREA_LEVEL3_IDNT	The unique identifier of the level three market area.	CHARACTER(16)	1	Yes
MKT_AREA_LEVEL2_IDNT	The unique identifier of the level two market area.	CHARACTER(16)	2	Yes
MKT_AREA_LEVEL1_IDNT	The unique identifier of the level one market area.	CHARACTER(16)	3	Yes
MKT_AREA_LEVEL3_DESC	The description of a level three market area.	CHARACTER(30)	4	No
MKT_AREA_LEVEL2_DESC	The description of a level two market area.	CHARACTER(30)	5	No
MKT_AREA_LEVEL1_DESC	The description of a level one market area.	CHARACTER(30)	6	No

**mdepedm.txt**

## Business rules

- This interface file contains market departments.
- This interface file cannot contain duplicate records for a mkt\_dept\_idnt.
- This interface file follows the dimension flat file interface layout standard

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_DEPT_IDNT	The unique identifier of a market department.	CHARACTER(13)	1	Yes
MKT_DEPT_DESC	The market category description.	CHARACTER(30)	2	No
OWNED_FLAG_IND	Indicates an owned department	CHARACTER(1)	3	Yes

**meddm.txt**

## Business rules:

- This interface file cannot contain duplicate records for a media\_idnt and banner\_idnt combination.
- This interface file contains the complete snapshot of media information for active and released media.
- Media should not be closed if outstanding customer orders exist for the media.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MEDIA_IDNT	The identifier of a media.	CHARACTER(10)	1	Yes
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	3	Yes
MEDIA_START_DT	The start date of the media. It identifies the day that the prices become effective in the media.	DATE	4	No
MEDIA_END_DT	The end date of the media. It identifies the last day that the prices are in effect for the media.	DATE	5	No

Name	Description	Data Type/Bytes	Field Order	Required Field
MEDIA_YR_IDNT	The fiscal year of the media, that is 2000 or 2001.	NUMBER(4)	6	No
MEDIA_SEASN_IDNT	The unique identifier of a media season for the media, that is fall, spring, or summer.	CHARACTER(6)	7	No
MEDIA_STATUS_CDE	The current status code of the media, that is active or released.	CHARACTER(12)	8	No
MEDIA_DESC	The description of the media.	CHARACTER(120)	9	No
MEDIA_SEASN_DESC	The description of the media season.	CHARACTER(120)	10	No
MEDIA_TYPE	The media type used to communicate with the customer, that is catalog, internet, postcard.	CHARACTER(120)	11	No
IN_HOME_DT	The date that the media is expected to arrive at customers' homes.	DATE	12	No
CO_RELEASE_DT	The date that customer orders placed under the media can be released.	DATE	13	No
CO_ACTV_DT	The first date that a customer order can be taken for the media.	DATE	14	No
MEDIA_PAGE_UOM	The unit of measure associated with the media page size.	CHARACTER(4)	15	No
F_PAGE_LEN_AMT	The length of a page in the media.	NUMBER(18,4)	16	No
F_PAGE_WID_AMT	The width of a page in the media.	NUMBER(18,4)	17	No
F_PAGE_QTY	The total number of all pages within the media.	NUMBER(12,4)	18	No
F_ONSALE_PAGE_QTY	The total number of pages within the media that are identified as "Sale" pages.	NUMBER(12,4)	19	No
F_SELLING_PAGE_QTY	The number of pages with selling items. This number is equal to or smaller than total number of pages within the media.	NUMBER(12,4)	20	No
F_SELLING_ITEM_QTY	The number of selling items within the media.	NUMBER(12,4)	21	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_ITEM_QTY	The number of inventory items within the media.	NUMBER(12,4)	22	No
F_ONSALE_ITEM_QTY	The total number of inventory items identified as "sale" priced.	NUMBER(12,4)	23	No
F_TOTAL_CRCL_QTY	The total circulation for the media.	NUMBER(12,4)	24	No
F_SPACE_COST_AMT	The space cost of the media in primary currency.	NUMBER(18,4)	25	No
F_SPACE_COST_AMT_LCL	The space cost of the media in local currency.	NUMBER(18,4)	26	No
F_EXPCT_RSPND_RATE	The total response rate expected for the media, over the life of the media. Response rate is the number of customer orders generated by a media divided by the number of media sent.	NUMBER(12,4)	27	No
F_EXPCT_AVG_CO_AMT	The expected average customer order amount in primary currency.	NUMBER(18,4)	28	No
F_EXPCT_AVG_CO_AMT_LCL	The expected average customer order amount in local currency.	NUMBER(18,4)	28	No
F_ORIG_FCST_AMT	The original forecasted marketing demand for the media, in primary currency.	NUMBER(18,4)	30	No
F_ORIG_FCST_AMT_LCL	The original forecasted marketing demand for the media, in local currency.	NUMBER(18,4)	31	No
F_CURR_FCST_AMT	The current forecasted marketing demand for the media, in primary currency.	NUMBER(18,4)	32	No
F_CURR_FCST_AMT_LCL	The current forecasted marketing demand for the media, in local currency.	NUMBER(18,4)	33	No
F_AVG_PRICE_POINT_AMT	The average price point for all inventory items in the media, in primary currency.	NUMBER(18,4)	34	No
F_AVG_PRICE_POINT_AMT_LCL	The average price point for all inventory items in the media, in local currency.	NUMBER(18,4)	35	No
F_MEDIAN_PRICE_POINT_AMT	The median price point for all inventory items in the media, in primary currency.	NUMBER(18,4)	36	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MEDIAN_PRICE_POINT _AMT_LCL	The median price point for all inventory items in the media, in local currency.	NUMBER(18,4)	37	No

### meddm.txt

Add loc\_idnt into the API section, where loc\_idnt will have column order 3. See Table media\_loc\_mtx\_dm for more details.

Business rules:

- This interface file cannot contain duplicate records for a media\_idnt and banner\_idnt combination.
- This interface file contains the complete snapshot of media information for active and released media.
- Media should not be closed if outstanding customer orders exist for the media.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MEDIA_IDNT	The identifier of a media.	CHARACTER(10)	1	Yes
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(40)	2	Yes
MEDIA_START_DT	The start date of the media. It identifies the day that the prices become effective in the media.	DATE	4	No
MEDIA_END_DT	The end date of the media. It identifies the last day that the prices are in effect for the media.	DATE	5	No
MEDIA_YR_IDNT	The fiscal year of the media, that is 2000 or 2001.	NUMBER(4)	6	No
MEDIA_SEASN_IDNT	The unique identifier of a media season for the media, that is fall, spring, or summer.	CHARACTER(6)	7	No

Name	Description	Data Type/Bytes	Field Order	Required Field
MEDIA_STATUS_CDE	The current status code of the media, that is active or released.	CHARACTER(12)	8	No
MEDIA_DESC	The description of the media.	CHARACTER(120)	9	No
MEDIA_SEASN_DESC	The description of the media season.	CHARACTER(120)	10	No
MEDIA_TYPE	The media type used to communicate with the customer, that is catalog, internet, postcard.	CHARACTER(120)	11	No
IN_HOME_DT	The date that the media is expected to arrive at customers' homes.	DATE	12	No
CO_RELEASE_DT	The date that customer orders placed under the media can be released.	DATE	13	No
CO_ACTV_DT	The first date that a customer order can be taken for the media.	DATE	14	No
MEDIA_PAGE_UOM	The unit of measure associated with the media page size.	CHARACTER(4)	15	No
F_PAGE_LEN_AMT	The length of a page in the media.	NUMBER(18,4)	16	No
F_PAGE_WID_AMT	The width of a page in the media.	NUMBER(18,4)	17	No
F_PAGE_QTY	The total number of all pages within the media.	NUMBER(12,4)	18	No
F_ONSALE_PAGE_QTY	The total number of pages within the media that are identified as "Sale" pages.	NUMBER(12,4)	19	No
F_SELLING_PAGE_QTY	The number of pages with selling items. This number is equal to or smaller than total number of pages within the media.	NUMBER(12,4)	20	No
F_SELLING_ITEM_QTY	The number of selling items within the media.	NUMBER(12,4)	21	No
F_ITEM_QTY	The number of inventory items within the media.	NUMBER(12,4)	22	No
F_ONSALE_ITEM_QTY	The total number of inventory items identified as "sale" priced.	NUMBER(12,4)	23	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_TOTAL_CRCL_QTY	The total circulation for the media.	NUMBER(12,4)	24	No
F_SPACE_COST_AMT	The space cost of the media in primary currency.	NUMBER(18,4)	25	No
F_SPACE_COST_AMT_LCL	The space cost of the media in local currency.	NUMBER(18,4)	26	No
F_EXPCT_RSPND_RATE	The total response rate expected for the media, over the life of the media. Response rate is the number of customer orders generated by a media divided by the number of media sent.	NUMBER(12,4)	27	No
F_EXPCT_AVG_CO_AMT	The expected average customer order amount in primary currency.	NUMBER(18,4)	28	No
F_EXPCT_AVG_CO_AMT_LCL	The expected average customer order amount in local currency.	NUMBER(18,4)	28	No
F_ORIG_FCST_AMT	The original forecasted marketing demand for the media, in primary currency.	NUMBER(18,4)	30	No
F_ORIG_FCST_AMT_LCL	The original forecasted marketing demand for the media, in local currency.	NUMBER(18,4)	31	No
F_CURR_FCST_AMT	The current forecasted marketing demand for the media, in primary currency.	NUMBER(18,4)	32	No
F_CURR_FCST_AMT_LCL	The current forecasted marketing demand for the media, in local currency.	NUMBER(18,4)	33	No
F_AVG_PRICE_POINT_AMT	The average price point for all inventory items in the media, in primary currency.	NUMBER(18,4)	34	No
F_AVG_PRICE_POINT_AMT_LCL	The average price point for all inventory items in the media, in local currency.	NUMBER(18,4)	35	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MEDIAN_PRICE_POINT_AMT	The median price point for all inventory items in the media, in primary currency.	NUMBER(18,4)	36	No
F_MEDIAN_PRICE_POINT_AMT_LCL	The median price point for all inventory items in the media, in local currency.	NUMBER(18,4)	37	No

### media\_lfl\_by\_media\_dm.txt

Business rules:

- This interface file cannot contain duplicate records for a media\_key, last\_yr\_media\_key, and last\_seasn\_media\_key combination.
- This interface file contains user-defined relationships between a given media and the previous year media and previous season media.
- last\_yr\_media\_key and last\_seasn\_media\_key fields should be filled with a -2 if no relationship is to be defined.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MEDIA_KEY	Surrogate key used to identify a media.	NUMBER(8)	1	Yes
LAST_YR_MEDIA_KEY	The surrogate key of the last year's media that corresponds to this media.	NUMBER(8)	2	Yes
LAST_SEASN_MEDIA_KEY	The surrogate key of the last season's media that corresponds to this media.	NUMBER(8)	3	Yes

**meditmsidm.txt**

## Business rules:

- This interface file cannot contain duplicate records for a media\_idnt, banner\_idnt, selling\_item\_idnt, and item\_idnt combination.
- This interface file contains only the current day's new or changed information at the media, selling item, and inventory item level.
- Only changes for the defined fields need to be considered.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains only active or released media.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	2	Yes
MEDIA_IDNT	The identifier of a media.	CHARACTER(10)	3	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	4	Yes
FEATURED_ITEM_IND	Indicates whether the inventory item is the featured item for the media/selling item.	CHARACTER(1)	5	No
F_MEDIA_UNIT_RTL_AMT	The unit retail amount for an item printed in the media, in primary currency.	NUMBER(18,4)	6	No
F_MEDIA_UNIT_RTL_AMT_LCL	The unit retail amount for an item printed in the media, in local currency.	NUMBER(18,4)	7	No
F_ADDL_DMSTC_DLVR_Y_AMT	The additional domestic delivery charge associated to the item in the media, in primary currency.	NUMBER(18,4)	8	No
F_ADDL_DMSTC_DLVR_Y_AMT_LCL	The additional domestic delivery charge associated to the item in the media, in local currency.	NUMBER(18,4)	9	No
F_ADDL_INTL_DLVR_Y_AMT	The additional international delivery charge associated to the item in the media, in primary currency.	NUMBER(18,4)	10	No
F_ADDL_INTL_DLVR_Y_AMT_LCL	The additional international delivery charge associated to the item in the media, in local currency.	NUMBER(18,4)	11	No

**medsidm.txt**

Business rules:

- This interface file cannot contain duplicate records for a media\_idnt, banner\_idnt, and selling\_item\_idnt combination.
- Only changes for the defined fields in the API specifications are considered.
- This interface file contains only the current day's new or changed information.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains only active or released media.

Name	Description	Data Type/Bytes	Field Order	Required Field
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	1	Yes
MEDIA_IDNT	The identifier of a media.	CHARACTER(10)	2	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	3	Yes
RECIPE_CDE	The recipe code that is associated to the selling item within the media.	CHARACTER(6)	4	No
ONSALE_PAGE_IND	Indicate whether the selling item is presented on a "Sale" page.	CHARACTER(1)	5	No
WEB_STORE_FEATURE_IND	Indicates whether the selling item is featured in the web store.	CHARACTER(1)	6	No

**medsidpctdm.txt**

Business rules:

- This interface file cannot contain duplicate records for a media\_idnt, banner\_idnt, dpct\_idnt, and selling\_item\_idnt combination.
- This interface file follows the fact flat file interface layout standard.
- Only changes for the defined fields in the API specifications are considered.
- This interface file contains only the current day's new or changed information.
- This interface file contains only active or released media.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	1	Yes
DPCT_IDNT	The unique identifier of a depiction. A depiction identifies the creative representation that was used to present a selling item or group of selling items to the customer within a media.	CHARACTER(25)	2	Yes
MEDIA_IDNT	The identifier of a media.	CHARACTER(10)	3	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	4	Yes
MEDIA_PLACEMENT	The placement of the depiction within the media. Example is front cover, back cover, and so on.	CHARACTER(50)	5	No
PAGE_SPREAD	The page spread assignment for the depiction within the media.	CHARACTER(15)	6	No
PICTURE_CDE	The alpha/numeric pictorial assignment that represents the location of the depiction on the page. Example is "A" for the saucepan, "B" for the saute'.	CHARACTER(15)	7	No
MEDIA_DPCT_UOM	The unit of measure for the media/selling item/depiction area.	CHARACTER(4)	8	No
F_SQUARE_AMT	The amount of two-dimensional space allotted to the depiction in the media, expressed in the customer's preferred unit of measure.	NUMBER(18,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SPACE_COST_AMT	The space cost of the depiction in primary currency.	NUMBER(18,4)	10	No
F_SPACE_COST_AMT_LC L	The space cost of the depiction in local currency.	NUMBER(18,4)	11	No

**mitmdm.txt**

## Business rules

- This interface file contains market items.
- This interface file cannot contain duplicate records for a mkt\_item\_idnt.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_ITEM_IDNT	The unique identifier of a market item.	CHARACTER(25)	1	Yes
MKT_DEPT_IDNT	The unique identifier of a market department.	CHARACTER(13)	2	Yes
MKT_ITEM_DESC	The market item description.	CHARACTER(40)	3	No
MKT_DEPT_DESC	The market category description.	CHARACTER(30)	4	No
VENDOR_NAME	The vendor/manufacturer of the market item.	CHARACTER(30)	5	No
BRAND_NAME	The Brand label of the market item.	CHARACTER(30)	6	No
FLAVOR_SCENT	The flavor or scent of the market item.	CHARACTER(30)	7	No
MKT_ITEM_SIZE	The market item size.	CHARACTER(10)	8	No
PROD_TYPE	The product classification.	CHARACTER(20)	9	No
PACK_TYPE	The type of packaging of the market item	CHARACTER(20)	10	No
GENERATION_CDE	Three digit code that indicates if the UPC has been revised.	CHARACTER(3)	11	No
OWNED_FLAG_IND	Indicates if it's an owned item or not.	CHARACTER(1)	12	Yes

**mslsdlwmdm.txt**

## Business rules

- This interface file contains market sales data for a market category and market area level on a given week.
- This interface file cannot contain duplicate transactions for a mkt\_dept\_idnt, mkt\_area\_level\_idnt, and wk\_end\_dt combination.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_DEPT_IDNT	The unique identifier of a market department.	CHARACTER(13)	1	Yes
MKT_AREA_LEVEL_IDNT	The unique identifier of the level one market area.	CHARACTER(16)	2	Yes
WK_END_DT	The date in which the week ends.	DATE	3	Yes
MKT_GEO_LEVEL	The field decides what level table the market sales data goes to. Valid values are 1, 2, 3. That is, all market sales data with MKT_GEO_LEVEL = 1 goes to MKT_SLS_ITEM_LEV EL1_W_DM table.	CHARACTER(1)	4	Yes
MKT_RECDCURR_DT	The market data creation date.	DATE	5	Yes
F_MKT_SLS_AMT_LCL	The total sales of the market item in local currency for the week.	NUMBER(18,4)	6	No
F_MKT_SLS_AMT	The total sales of the market item in primary currency for the week.	NUMBER(18,4)	7	No
F_MKT_SLS_QTY	The total number of the market item sold for the week.	NUMBER(12,4)	8	No
F_MKT_AVG_ACV_WGT_DIST_PCT	The average Weekly All Commodity Volume Weighted Distribution. A measure of the percent of stores stocking the product, weighted by All Commodity Volume.	NUMBER(12,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MKT_AVG_MMACHV_SLS_RATE	The average Weekly Sales Value per \$MM (million dollar) All Commodity Volume (Sales Rate). The sales efficiency of the product in relation to its distribution, based on All Commodity Volume per \$MM.	NUMBER(12,4)	10	No
F_MKT_AVG_WGT_PRICE_REDT_PCT	The weighted Average percent Price Reduction. The average amount the retail was reduced for stores selling the item, weighted by units sold at each retail.	NUMBER(12,4)	11	No
F_MKT_AVG_STORE_SELL_ITEM_QTY	The average Weekly Items per Store Selling. The average number of different UPCs of a selected product available in each store carrying the product.	NUMBER(12,4)	12	No
F_MKT_NORMAL_AMT_LCL	The estimated sales in local currency that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(18,4)	13	No
F_MKT_NORMAL_AMT	The estimated sales in primary currency that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(18,4)	14	No
F_MKT_NORMAL_QTY	The estimated sales units that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(12,4)	15	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MKT_SLS_PRICE_CUT_AMT_LCL	The Sales Main Ad or Price Cut in local currency. The total sales value for any item on feature, display and/or with price reductions	NUMBER(18,4)	16	No
F_MKT_SLS_PRICE_CUT_AMT	The Sales Main Ad or Price Cut in primary currency. The total sales value for any item on feature, display and/or with price reductions	NUMBER(18,4)	17	No
F_MKT_SLS_PRICE_CUT_QTY	The unit Sales Main Ad or Price Cut. The total unit sales for any item on feature, display and/or with price reductions.	NUMBER(12,4)	18	No
F_MKT_MAIN_AD_AMT_LCL	The total sales in local currency for any item on feature	NUMBER(18,4)	19	No
F_MKT_MAIN_AD_AMT	The total sales in primary currency for any item on feature.	NUMBER(18,4)	20	No
F_MKT_MAIN_AD_QTY	The total unit sales for any item on feature	NUMBER(12,4)	21	No

### mslsilwdm.txt

#### Business rules

- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_ITEM_IDNT	The unique identifier of a market item.	CHARACTER(25)	1	Yes
MKT_AREA_LEVEL_IDNT	The unique identifier of the level one market area.	CHARACTER(16)	2	Yes
WK_END_DT	The date on which the week ends.	DATE	3	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
MKT_GEO_LEVEL	The field decides what level table the market sales data goes to. Valid values are 1, 2, 3. That is, all market sales data with MKT_GEO_LEVEL = 1 goes to MKT_SLS_ITEM_LEVEL 1_W_DM table.	CHARACTER(1)	4	Yes
MKT_RECDCURRDT	The market data creation date.	DATE	5	Yes
F_MKT_SLS_AMT_LCL	The total sales of the market item in local currency for the week.	NUMBER(18,4)	6	No
F_MKT_SLS_AMT	The total sales of the market item in primary currency for the week.	NUMBER(18,4)	7	No
F_MKT_SLS_QTY	The total number of the market item sold for the week.	NUMBER(12,4)	8	No
F_MKT_AVG_ACV_WGT_DIST_PCT	The average Weekly All Commodity Volume Weighted Distribution. A measure of the percent of stores stocking the product, weighted by All Commodity Volume.	NUMBER(12,4)	9	No
F_MKT_AVG_MMACHV_SLS_RATE	The average Weekly Sales Value per \$MM (million dollar) All Commodity Volume (Sales Rate). The sales efficiency of the product in relation to its distribution, based on All Commodity Volume per \$MM.	NUMBER(12,4)	10	No
F_MKT_AVG_WGT_PRICE_REDT_PCT	The weighted Average percent Price Reduction. The average amount the retail was reduced for stores selling the item, weighted by units sold at each retail.	NUMBER(12,4)	11	No
F_MKT_AVG_STORE_SEL_ITEM_QTY	The average Weekly Items per Store Selling. The average number of different UPCs of a selected product available in each store carrying the product.	NUMBER(12,4)	12	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MKT_NORMAL_AMT_LCL	The estimated sales in local currency that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(18,4)	13	No
F_MKT_NORMAL_AMT	The estimated sales in primary currency that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(18,4)	14	No
F_MKT_NORMAL_QTY	The estimated sales units that would have been recorded if there were no impact from display, promotion or price reduction for the week.	NUMBER(12,4)	15	No
F_MKT_SLS_PRICE_CUT_AMT_LCL	The Sales Main Ad or Price Cut in local currency. The total sales value for any item on feature, display and/or with price reductions	NUMBER(18,4)	16	No
F_MKT_SLS_PRICE_CUT_AMT	The Sales Main Ad or Price Cut in primary currency. The total sales value for any item on feature, display and/or with price reductions	NUMBER(18,4)	17	No
F_MKT_SLS_PRICE_CUT_QTY	The unit Sales Main Ad or Price Cut. The total unit sales for any item on feature, display and/or with price reductions.	NUMBER(12,4)	18	No
F_MKT_MAIN_AD_AMT_LCL	The total sales in local currency for any item on feature	NUMBER(18,4)	19	No
F_MKT_MAIN_AD_AMT	The total sales in primary currency for any item on feature.	NUMBER(18,4)	20	No
F_MKT_MAIN_AD_QTY	The total unit sales for any item on feature.	NUMBER(12,4)	21	No

**ncstuilddm.txt**

## Business rules

- This interface file contains net cost information.

- This interface file cannot contain duplicate transactions for an item\_idnt, supp\_idnt, loc\_idnt, day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25 )	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10 )	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10 )	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
F_SUPP_BASE_COST_AMT	The supplier base cost of the item/supplier at a given location on a given day. It is the initial cost before any deals or discounts are applied in primary currency.	NUMBER(18,4)	5	No
F_SUPP_BASE_COST_AMT_LCL	The supplier base cost of the item/supplier at a given location on a given day. It is the initial cost before any deals or discounts are applied. It is stored in local currency.	NUMBER(18,4)	6	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SUPP_NET_COST_AMT	The supplier net cost for the item/supplier/location on a given day. It is defined as the base cost minus any deal components that have been applied by the retailer. If no deals or discounts are applied at this level, the supplier net cost = supplier base cost. It is stored in primary currency.	NUMBER(18,4)	7	No
F_SUPP_NET_COST_AMT_LCL	The supplier net cost for the item/supplier/location on a given day. It is the defined as the base cost minus any deal components that have been applied by the retailer. If no deals or discounts are applied at this level, the supplier net cost = supplier base cost. It is stored in local currency.	NUMBER(18,4)	8	No
F_SUPP_NET_NET_COST_AMT	The supplier net net cost of the item/supplier/location on a given day. It is defined as the net cost minus any deal components designated by a retailer as applicable to the net net cost. If no deals or discounts are applied at this level, the supplier net net cost = supplier net cost. It is stored in primary currency.	NUMBER(18,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SUPP_NET_NET_COST_AMT_LCL	The supplier net net cost of the item/supplier/location on a given day. It is defined as the net cost minus any deal components designated by a retailer as applicable to the net net cost. If no deals or discounts are applied at this level, the supplier net net cost = supplier net cost. It is stored in local currency.	NUMBER(18,4)	10	No
F_SUPP_DEAD_NET_COST_AMT	The supplier dead net cost of the item/supplier/location on a given day. It is the final cost after all deals or discounts have been applied. It is defined as the net net cost minus any deal components designated by a retailer as applicable to the dead net cost. If no deals or discounts are applied at this level, the supplier dead net cost = supplier net net cost. It is stored in primary currency.	NUMBER(18,4)	11	No

---

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_SUPP_DEAD_NET_COST _AMT_LCL	The supplier dead net cost of the item/supplier/location on a given day. It is the final cost after all deals or discounts have been applied. It is defined as the net net cost minus any deal components designated by a retailer as applicable to the dead net cost. If no deals or discounts are applied at this level, the supplier dead net cost = supplier net net cost. It is stored in local currency.	NUMBER(18,4)	12	No

---

**orgaradm.txt**

## Business rules

- This interface file contains areas within a chain.
- This interface file cannot contain duplicate records for an area\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
AREA_IDNT	The unique identifier of an area in the organizational hierarchy.	CHARACTER(10)	1	Yes
AREA_DESC	The name of the area in the organizational hierarchy.	CHARACTER(120)	2	No
AREA_MGR_NAME	The name of the manager for the area.	CHARACTER(120)	3	No
CHAIN_IDNT	The unique identifier of the chain in the organizational hierarchy.	CHARACTER(10)	4	Yes

**orgchandm.txt**

## Business rules

- This interface file contains channels within a company.
- This interface file cannot contain duplicate records for a channel\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
CHANNEL_IDNT	The unique identifier of the channel in the organizational hierarchy.	CHARACTER(4)	1	Yes
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	2	Yes
CHANNEL_TYPE	The type of channel.	CHARACTER(6)	3	No
CHANNEL_DESC	The name of the channel.	CHARACTER(120)	4	No
BANNER_DESC	The name of the banner.	CHARACTER(120)	5	No

**orgchndm.txt**

## Business rules

- This interface file contains chains within a company.
- This interface file cannot contain duplicate records for a chain\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
CHAIN_IDNT	The unique identifier of the chain in the organizational hierarchy.	CHARACTER(10)	1	Yes
CMPY_IDNT	The unique identifier of the company in product and organization hierarchy.	CHARACTER(4)	2	Yes
CHAIN_DESC	The name of the chain in the organizational hierarchy.	CHARACTER(120)	3	No
CHAIN_MGR_NAME	The name of the manager for the chain.	CHARACTER(120)	4	No

**orgdisdm.txt**

## Business rules

- This interface file contains districts within a region.
- This interface file cannot contain duplicate records for a regn\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
DISTT_IDNT	The unique identifier of a district in the organization hierarchy.	CHARACTER(10)	1	Yes
DISTT_DESC	The name of the district in the organization hierarchy.	CHARACTER(120)	2	No
DISTT_MGR_NAME	The name of the manager responsible for this district.	CHARACTER(120)	3	No
REGN_IDNT	The unique identifier of the region in the organization hierarchy.	CHARACTER(10)	4	Yes

**orgllmdm.txt**

## Business rules

- This interface file defines the associations between location and location list.
- This interface file cannot contain duplicate records for a loclst\_idnt, loc\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOCLST_IDNT	The unique identifier of a location list.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	3	Yes

### orglocdm.txt

#### Business rules

- This interface file contains locations within a district.
- This interface file cannot contain duplicate records for a loc\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	1	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	2	Yes
LOC_DESC	The description or name of the store or warehouse.	CHARACTER(240)	3	No
LOC_DESC_10	The 10 character abbreviation of the store name.	CHARACTER(10)	4	No
LOC_DESC_3	The 3 character abbreviation of the store name.	CHARACTER(3)	5	No
LOC_SECND_DESC	The secondary description or name of the store or warehouse.	CHARACTER(240)	6	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_TYPE_DESC	The description of the loc_type_cde that indicates whether the location is a store or warehouse. .	CHARACTER(120)	7	No
DISTT_IDNT	The unique identifier of a district in the organization hierarchy.	CHARACTER(10)	8	Yes
DISTT_DESC	The name of the district in the organization hierarchy.	CHARACTER(120)	9	No
CRNCY_CDE_IDNT	The unique identifier of the currency code.	CHARACTER(10)	10	No
CRNCY_CDE_DESC	The description of local currency code. That is, description for USD = US Dollar.	CHARACTER(120)	11	No
WF_CUST_IDNT	The unique identifier of a wholesale/franchise customer	CHARACTER(10)	12	Yes
STORE_TYPE_CDE_IDNT	Type of the store. Valid values are 'C'ompany, 'W'holesale or 'F'ranchise	CHARACTER(6)	13	Yes
PHY_WH_IDNT	The unique identifier of the physical warehouse that is assigned to the virtual warehouse.	CHARACTER(10)	14	No
VIRTUAL_WH_IDNT	The identifier of the virtual warehouse.	CHARACTER(10)	15	No
STOCKHOLD_IND	Indicates whether the location can hold stock. In a non-multichannel environment this will always be "Y."	CHARACTER(1)	16	No
CHANNEL_IDNT	The unique identifier of the channel in the organizational hierarchy.	CHARACTER(4)	17	No
CHANNEL_DESC	The name of the channel.	CHARACTER(120)	18	No

Name	Description	Data Type/Bytes	Field Order	Required Field
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	19	No
BANNER_DESC	The name of the banner.	CHARACTER(120)	20	No
LOC_ADDR	The street address of the store or warehouse.	CHARACTER(722)	21	No
LOC_CITY_NAME	The city in which the store or warehouse is located.	CHARACTER(120)	22	No
LOC_ST_OR_PRVNC_CODE	The state or province code in which the store or warehouse is located.	CHARACTER(7)	23	No
LOC_CNTRY_CDE	The country code in which the store or warehouse is located.	CHARACTER(10)	24	No
LOC_CNTRY_DESC	The description or name of the country code in which the store or warehouse is located.	CHARACTER(120)	25	No
LOC_PSTL_CDE	The postal code of the store or warehouse.	CHARACTER(30)	26	No
LOC_MGR_NAME	The name of the manager responsible for this store. Only valid for the store Locations.	CHARACTER(120)	27	No
LOC_FMT_CDE	The code that indicates the type of format of the location. Only valid for store locations.	CHARACTER(5)	28	No
LOC_SELLING_AREA	The location's total selling area.	NUMBER(8)	29	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_TOT_LINEAR_DIST ANCE	The total linear selling space of the location.	NUMBER(8)	30	No
LOC_PRMTN_ZNE_CDE	The code that indicates the promotion zone for which this location is a member . Only valid for the store Locations.	CHARACTER(5)	31	No
LOC_TRNSFR_ZNE_CDE	The code that indicates the transfer zone for which this location is a member. Only valid for the store locations.	CHARACTER(5)	32	No
LOC_VAT_REGN	The number of the Value Added Tax region in which this store or warehouse is contained.	NUMBER(4)	33	No
LOC_VAT_INCLUDE_IN D	Indicates whether or not Value Added Tax will be included in the retail prices for the store. Valid values are 'Y' or 'N'.	CHARACTER(1)	34	No
LOC_MALL_NAME	The name of the mall in which the store is located.	CHARACTER(120)	35	No
LOC_DEFAULT_WH	The number of the warehouse that may be used as the default for creating cross-dock masks. This determines which stores are associated with or sourced from a warehouse.	CHARACTER(10)	36	No
LOC_BREAK_PAC_IND	Indicates whether or not the warehouse is capable of distributing less than the supplier case quantity. Valid values are 'Y' or 'N'.	CHARACTER(1)	37	No
LOC_REMODEL_DT	The date on which the store was last remodeled.	DATE	38	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_START_DT	The start date for location.	DATE	39	No
LOC_END_DT	The end date for a location.	DATE	40	No
LOC_TOT_AREA	The total area of the location.	NUMBER(8)	41	No
LOC_NO_LOAD_DOCKS	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(4)	42	No
LOC_NO_UNLOAD_DOCKS	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(4)	43	No
LOC_UPS_DISTT	The code that indicates the UPS district for which this location is a member. Only valid for the store locations.	NUMBER(2)	44	No
LOC_TIME_ZNE	The code that indicates the time zone for which this location is a member. Only valid for the store locations.	CHARACTER(10)	45	No
LOC_FASH_LINE_NO	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(9)	46	No
LOC_COMP_CDE	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(2)	47	No
LOC_STORE_VOL_CAT	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(2)	48	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_PAY_CAT	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(1)	49	No
LOC_ACCT_CLK_ID	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(3)	50	No
LOC_FMT_DESC	The description or name of the location format code of this location. Only valid for the store locations.	CHARACTER(120)	51	No
LOC_ST_OR_PRVNC_DE SC	The description or name of the state or province in which the store or warehouse is located.	CHARACTER(120)	52	No
LOC_TRNSFR_ZNE_DES C	The description or name of the transfer zone code of this location. Only valid for the store locations.	CHARACTER(120)	53	No
LOC_PRMTN_ZNE_DES C	The description or name of the promotion zone code of this location. Only valid for the store locations.	CHARACTER(120)	54	No
STORE_CLASS	Contains the code letter indicating the class of which the store is a member.	CHARACTER(1)	55	No
START_ORDER_DAYS	Contains the number of days before the store open date that a store will begin accepting orders.	CHARACTER(3)	56	No
FORECAST_WH_IND	This indicator determines if a warehouse is forecastable.	CHARACTER(1)	57	No

Name	Description	Data Type/Bytes	Field Order	Required Field
PHY_WH_IDNT	The unique identifier of the physical warehouse that is assigned to the virtual warehouse.	CHARACTER(10)	12	No
VIRTUAL_WH_IDNT	The identifier of the virtual warehouse.	CHARACTER(10)	13	No
STOCKHOLD_IND	Indicates whether the location can hold stock. In a non-multichannel environment this will always be "Y."	CHARACTER(1)	14	No
CHANNEL_IDNT	The unique identifier of the channel in the organizational hierarchy.	CHARACTER(4)	15	No
CHANNEL_DESC	The name of the channel.	CHARACTER(120)	16	No
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	17	No
BANNER_DESC	The name of the banner.	CHARACTER(120)	18	No
LOC_ADDR	The street address of the store or warehouse.	CHARACTER(722)	19	No
LOC_CITY_NAME	The city in which the store or warehouse is located.	CHARACTER(120)	20	No
LOC_ST_OR_PRVNC_CD E	The state or province code in which the store or warehouse is located.	CHARACTER(7)	21	No
LOC_CNTRY_CDE	The country code in which the store or warehouse is located.	CHARACTER(10)	22	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_CNTRY_DESC	The description or name of the country code in which the store or warehouse is located.	CHARACTER(120)	23	No
LOC_PSTL_CDE	The postal code of the store or warehouse.	CHARACTER(30)	24	No
LOC_MGR_NAME	The name of the manager responsible for this store. Only valid for the store Locations.	CHARACTER(120)	25	No
LOC_FMT_CDE	The code that indicates the type of format of the location. Only valid for store locations.	CHARACTER(5)	26	No
LOC_SELLING_AREA	The location's total selling area.	NUMBER(8)	27	No
LOC_TOT_LINEAR_DISTANCE	The total linear selling space of the location.	NUMBER(8)	28	No
LOC_PRMTN_ZNE_CDE	The code that indicates the promotion zone for which this location is a member . Only valid for the store Locations.	CHARACTER(5)	29	No
LOC_TRNSFR_ZNE_CDE	The code that indicates the transfer zone for which this location is a member. Only valid for the store locations.	CHARACTER(5)	30	No
LOC_VAT_REGN	The number of the Value Added Tax region in which this store or warehouse is contained.	NUMBER(4)	31	No
LOC_VAT_INCLUDE_IND	Indicates whether or not Value Added Tax will be included in the retail prices for the store. Valid values are 'Y' or 'N'.	CHARACTER(1)	32	No
LOC_MALL_NAME	The name of the mall in which the store is located.	CHARACTER(120)	33	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_DEFAULT_WH	The number of the warehouse that may be used as the default for creating cross-dock masks. This determines which stores are associated with or sourced from a warehouse.	CHARACTER(10)	34	No
LOC_BREAK_PAC_IND	Indicates whether or not the warehouse is capable of distributing less than the supplier case quantity. Valid values are 'Y' or 'N'.	CHARACTER(1)	35	No
LOC_REMODEL_DT	The date on which the store was last remodeled.	DATE	36	No
LOC_START_DT	The start date for location.	DATE	37	No
LOC_END_DT	The end date for a location.	DATE	38	No
LOC_TOT_AREA	The total area of the location.	NUMBER(8)	39	No
LOC_NO_LOAD DOCKS	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(4)	40	No
LOC_NO_UNLOAD DOCKS	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(4)	41	No
LOC_UPS_DISTT	The code that indicates the UPS district for which this location is a member. Only valid for the store locations.	NUMBER(2)	42	No
LOC_TIME_ZNE	The code that indicates the time zone for which this location is a member. Only valid for the store locations.	CHARACTER(10)	43	No

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_FASH_LINE_NO	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(9)	44	No
LOC_COMP_CDE	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(2)	45	No
LOC_STORE_VOL_CAT	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(2)	46	No
LOC_PAY_CAT	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(1)	47	No
LOC_ACCT_CLK_ID	This field is client specific. The definition and use of this field is customizable for each client.	CHARACTER(3)	48	No
LOC_FMT_DESC	The description or name of the location format code of this location. Only valid for the store locations.	CHARACTER(120)	49	No
LOC_ST_OR_PRVNC_DESC	The description or name of the state or province in which the store or warehouse is located.	CHARACTER(120)	50	No
LOC_TRNSFR_ZONE_DESC	The description or name of the transfer zone code of this location. Only valid for the store locations.	CHARACTER(120)	51	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
LOC_PRMTN_ZNE_DES C	The description or name of the promotion zone code of this location. Only valid for the store locations.	CHARACTER(120)	52	No
STORE_CLASS	Contains the code letter indicating the class of which the store is a member.	CHARACTER(1)	53	No
START_ORDER_DAYS	Contains the number of days before the store open date that a store will begin accepting orders.	CHARACTER(3)	54	No
FORECAST_WH_IND	This indicator determines if a warehouse is forecastable.	CHARACTER(1)	55	No

**orgloldm.txt**

## Business rules

- This interface file contains one record for each location list. A location list is normally used to group locations for reporting purposes.
- This interface file cannot contain duplicate records for a loclst\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOCLST_IDNT	The unique identifier of a location list.	CHARACTER(10)	1	Yes
CREATE_ID	The login ID of the person who created the location list.	CHARACTER(30)	2	Yes
LOCLST_DESC	The description or name of the location list unique identifier.	CHARACTER(120)	3	No

**orgltmdm.txt**

## Business rules

- This interface file defines the associations between location and location traits.
- This interface file cannot contain duplicate records for a loc\_trait\_idnt, loc\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_TRAIT_IDNT	The location trait unique identifier. Only valid entries are for the store locations.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	3	No

**orgltrdm.txt**

## Business rules

- This interface file cannot contain duplicate records for a loc\_trait\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
LOC_TRAIT_IDNT	The location trait unique identifier. Only valid entries are for the store locations.	CHARACTER(10)	1	Yes
LOC_TRAIT_DESC	The description or name of the location trait unique identifier.	CHARACTER(120)	2	No

**orgrgndm.txt**

## Business rules

- This interface file contains regions within an area.
- This interface file cannot contain duplicate records for a regn\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
REGN_IDNT	The unique identifier of the region in the organization hierarchy.	CHARACTER(10)	1	Yes
REGN_DESC	The description or name of the region in the organization hierarchy.	CHARACTER(120)	2	No
REGN_MGR_NAME	The name of the manager for the region.	CHARACTER(120)	3	No
AREA_IDNT	The unique identifier of an area in the organizational hierarchy.	CHARACTER(10)	4	Yes

**phasdm.txt**

## Business rules

- This interface file contains phases. Phases are periods of time within a season. Each day should fall within no more than one phase.
- This interface file cannot contain duplicate records for a phase\_idnt, seasn\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
SEASN_IDNT	The season identifier.	CHARACTER(3)	1	Yes
PHASE_IDNT	The unique identifier of the phase.	CHARACTER(3)	2	Yes
PHASE_START_DT	The beginning date of the phase.	DATE	3	Yes
PHASE_END_DT	The ending date of the phase.	DATE	4	Yes
PHASE_DESC	The description or name for the phase.	CHARACTER(120)	5	No

**plcblwdm.txt**

## Business rules

- This interface file contains future and past current planning data for a department, class, subclass, and location for a given week.
- This interface file cannot contain duplicate transactions for a wk\_idnt that the day\_dt belongs to, dept\_idnt, class\_idnt, sbclass\_idnt, and loc\_idnt combination.
- All values are to be in primary currency.
- Percent values are expected to be decimals.
- This interface file follows the fact flat file interface layout standard.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DAY_DT	The calendar day on which the transaction occurred.	DATE	1	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	2	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER(4)	3	Yes
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER(4)	4	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	5	Yes
F_PLN_CURR_CLRC_SLS_QTY	The current plan clearance sales units minus customer returns.	NUMBER(12,4)	6	No
F_PLN_CURR_PRMTN_SLS_QTY	The current plan promotional sales units minus customer returns.	NUMBER(12,4)	7	No
F_PLN_CURR_RGLR_SLS_QTY	The current plan regular sales units minus customer returns.	NUMBER(12,4)	8	No
F_PLN_CURR_CLRC_SLS_AMT	The current plan clearance sales amount minus customer returns.	NUMBER(18,4)	9	No
F_PLN_CURR_PRMTN_SLS_AMT	The current plan promotional sales amount minus customer returns.	NUMBER(18,4)	10	No
F_PLN_CURR_RGLR_SLS_AMT	The current plan regular sales amount minus customer returns.	NUMBER(18,4)	11	No
F_PLN_CURR_GRS_PRFT_AMT	The current plan gross margin amount.	NUMBER(18,4)	12	No
F_PLN_CURR_RGLR_MKDN_AMT	The current plan regular markdown amount.	NUMBER(18,4)	13	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_CURR_CLRC_MK DN_AMT	The current plan clearance markdown amount.	NUMBER(18,4)	14	No
F_PLN_CURR_PRMTN_M KDN_AMT	The current plan promotion markdown amount.	NUMBER(18,4)	15	No
F_PLN_CURR_SHRK_QTY	The current plan shrinkage units, the total units of loss of inventory over time due to damage, misplacement, or theft.	NUMBER(12,4)	16	No
F_PLN_CURR_SHRK_RTL _AMT	The current plan shrinkage retail value, the total retail value of loss of inventory over time due to damage, misplacement, or theft.	NUMBER(18,4)	17	No
F_PLN_CURR_BOP_QTY	The current plan beginning inventory units	NUMBER(12,4)	18	No
F_PLN_CURR_BOP_COST _AMT	The current plan beginning inventory cost amount	NUMBER(18,4)	19	No
F_PLN_CURR_BOP_RTL_ AMT	The current plan beginning inventory retail amount	NUMBER(18,4)	20	No
F_PLN_CURR_OTB_QTY	The current plan quantity of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(12,4)	21	No
F_PLN_CURR_OTB_COST _AMT	The current plan cost of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(18,4)	22	No
F_PLN_CURR_OTB_RTL_ AMT	The current plan retail of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(18,4)	23	No
F_PLN_CURR_RCPTS_QT Y	The current plan quantity of goods to be received in stock.	NUMBER(12,4)	24	No
F_PLN_CURR_RCPTS_CO ST_AMT	The current plan cost of planned quantity of goods to be received in stock.	NUMBER(18,4)	21	25
F_PLN_CURR_RCPTS_RTL _AMT	The current plan retail of planned quantity of goods to be received in stock.	NUMBER(18,4)	26	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_PLN_CURR_CMTS_RTL_AMT	The current plan retail amount of commitments made to suppliers.	NUMBER(18,4)	27	No
F_PLN_CURR_ORD_CNCL_LD_RTL_AMT	The current plan on order cancel retail amount.	NUMBER(18,4)	28	No
F_PLN_CURR_ORD_RTL_AMT	The current plan retail of goods that have been ordered but not received	NUMBER(18,4)	29	No
F_PLN_CURR_RECL_IN_RTL_AMT	The current plan retail amount of inventory transferred in as a result of reclassification.	NUMBER(18,4)	30	No
F_PLN_CURR_RECL_OUT_RTL_AMT	The current plan retail amount of inventory transferred out as a result of reclassification	NUMBER(18,4)	31	No
F_PLN_CURR_RTV_RTL_AMT	The current plan goods returned to vendor expressed in retail amount.	NUMBER(18,4)	32	No
F_PLN_CURR_CMTS_QTY	The current plan units ordered but not approved.	NUMBER(12,4)	33	No
F_PLN_CURR_ORD_CNCL_LD_QTY	The current plan cancelled orders expressed in units.	NUMBER(12,4)	34	No
F_PLN_CURR_ORD_QTY	The current plan quantity of goods that have been ordered but not received	NUMBER(12,4)	35	No
F_PLN_CURR_RECL_IN_QTY	The current plan quantity of inventory transferred in as a result of reclassification .	NUMBER(12,4)	36	No
F_PLN_CURR_RECL_OUT_QTY	The current plan quantity of inventory transferred out as a result of reclassification.	NUMBER(12,4)	37	No
F_PLN_CURR_RTV_QTY	The current plan goods returned to vendor expressed in units.	NUMBER(12,4)	38	No
F_PLN_CURR_EOP_RTL_AMT	The current plan ending inventory retail amount.	NUMBER(18,4)	39	No
F_PLN_CURR_WOS_AMT	The current plan weeks of supply: ratio of beginning inventory value to sales value on a weekly basis.	NUMBER(18,4)	40	No
F_PLN_CURR_EOP_COST_AMT	The current plan ending inventory cost amount.	NUMBER(18,4)	41	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_CURR_ORD_CNCL LD_COST_AMT	The current plan on order cancel cost amount.	NUMBER(18,4)	42	No
F_PLN_CURR_ORD_COST _AMT	The current plan cost of goods that have been ordered but not received.	NUMBER(18,4)	43	No
F_PLN_CURR_CMTS_COS T_AMT	The current plan cost amount of commitments made to suppliers.	NUMBER(18,4)	44	No
F_PLN_CURR_CUM_MKU P_PCT	The current plan percentage difference between total delivered cost and total original retail value of merchandise handled within a stated time frame, inclusive of the accumulated inventory.	NUMBER(12,4)	45	No
F_PLN_CURR_EOP_QTY	The current plan ending inventory units.	NUMBER(12,4)	46	No
F_PLN_CURR_WOS_QTY	The current plan weeks of supply: ratio of beginning inventory units to sales units on a weekly basis.	NUMBER(12,4)	47	No
F_PLN_CURR_COGS_AM T	The current plan cost of goods sold amount	NUMBER(18,4)	48	No
F_PLN_CURR_EXCL_ SLS_VAT_AMT	The current plan total sales value excluding value added tax amount. Sales value includes regular, clearance and promotional sales minus customer returns.	NUMBER(18,4)	53	No
F_PLN_CURR_EMPTY_DIS C_AMT	The current plan employee discount at retail.	NUMBER(18,4)	50	No
F_PLN_CURR_FRGHT_CO ST_AMT	The current plan freight cost amount.	NUMBER(18,4)	51	No
F_PLN_CURR_WRKRM_C OST_AMT	The current plan workroom cost amount.	NUMBER(18,4)	52	No
F_PLN_CURR_RTRNS_SLS _AMT	The current plan customer sales return retail amount.	NUMBER(18,4)	53	No

**plnsendm.txt**

## Business rules

- This interface file contains plan seasons.
- This interface file cannot contain duplicate records for a pln\_season\_idnt.
- This interface file follows the dimension flat file interface layout standard.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
PLN_SEASN_IDNT	The unique identifier for a plan season.	CHARACTER(6)	1	Yes
PLN_SEASN_START_DT	The plan season start date	DATE	2	Yes
PLN_SEASN_END_DT	The plan season end date.	DATE	3	Yes
PLN_SEASN_DESC	The description of plan season	CHARACTER(30)	4	Yes

**ploblwdm.txt**

## Business rules

- This interface file contains future and past original planning data for a department, class, subclass, and location for a given week.
- This interface file cannot contain duplicate transactions for a wk\_idnt that the day\_dt belongs to, dept\_idnt, class\_idnt, subclass\_idnt, and loc\_idnt combination.
- This interface file follows the fact flat file interface layout standard.
- All values are to be in primary currency.
- Percent values are expected to be decimals.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DAY_DT	The calendar day on which the transaction occurred.	DATE	1	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	2	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER(4)	3	Yes
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER(4)	4	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	5	Yes
F_PLN_ORIG_CLRC_SLS_QTY	The original plan clearance sales units minus customer returns.	NUMBER(12,4)	6	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_ORIG_PRMTN_SLS_QTY	The original plan promotional sales units minus customer returns.	NUMBER(12,4)	7	No
F_PLN_ORIG_RGLR_SLS_QTY	The original plan regular sales units minus customer returns.	NUMBER(12,4)	8	No
F_PLN_ORIG_CLRC_SLS_AMT	The original plan clearance sales amount minus customer returns.	NUMBER(18,4)	9	No
F_PLN_ORIG_PRMTN_SLS_AMT	The original plan promotional sales amount minus customer returns.	NUMBER(18,4)	10	No
F_PLN_ORIG_RGLR_SLS_AMT	The original plan regular sales amount minus customer returns.	NUMBER(18,4)	11	No
F_PLN_ORIG_GRS_PRFT_AMT	The original plan gross margin amount.	NUMBER(18,4)	12	No
F_PLN_ORIG_RGLR_MKDN_AMT	The original plan regular markdown amount.	NUMBER(18,4)	13	No
F_PLN_ORIG_CLRC_MKDN_AMT	The original plan clearance markdown amount.	NUMBER(18,4)	14	No
F_PLN_ORIG_PRMTN_MKDN_AMT	The original plan promotion markdown amount.	NUMBER(18,4)	15	No
F_PLN_ORIG_SHRK_QTY	The original plan shrinkage units, the total units of loss of inventory over time due to damage, misplacement, or theft.	NUMBER(12,4)	16	No
F_PLN_ORIG_SHRK_RTL_AMT	The original plan shrinkage retail value, the total retail value of loss of inventory over time due to damage, misplacement, or theft.	NUMBER(18,4)	17	No
F_PLN_ORIG_BOP_QTY	The original plan beginning inventory units.	NUMBER(12,4)	18	No
F_PLN_ORIG_BOP_COST_AMT	The original plan beginning inventory cost amount	NUMBER(18,4)	19	No
F_PLN_ORIG_BOP_RTL_AMT	The original plan beginning inventory retail amount.	NUMBER(18,4)	20	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_ORIG_RCPTS_QTY	The original plan quantity of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(12,4)	21	No
F_PLN_ORIG_RCPTS_COST_AMT	The original plan cost of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(18,4)	22	No
F_PLN_ORIG_RCPTS_RETAIL_AMT	The original plan retail of goods that may be received in stock without exceeding planned inventory levels.	NUMBER(18,4)	23	No
F_PLN_ORIG_CMTS_RETAIL_AMT	The original plan retail amount of commitments made to suppliers.	NUMBER(18,4)	24	No
F_PLN_ORIG_ORD_CANCEL_RETAIL_AMT	The original plan on order cancel retail amount.	NUMBER(18,4)	25	No
F_PLN_ORIG_ORD_RETAIL_AMT	The original plan retail of goods that have been ordered but not received.	NUMBER(18,4)	26	No
F_PLN_ORIG_RECL_IN_RETAIL_AMT	The original plan retail amount of inventory transferred in as a result of reclassification.	NUMBER(18,4)	27	No
F_PLN_ORIG_RECL_OUT_RETAIL_AMT	The original plan retail amount of inventory transferred out as a result of reclassification.	NUMBER(18,4)	28	No
F_PLN_ORIG_RTV_RETAIL_AMOUNT	The original plan goods returned to vendor expressed in retail amount.	NUMBER(18,4)	29	No
F_PLN_ORIG_CMTS_QTY	The original plan units ordered but not approved.	NUMBER(12,4)	30	No
F_PLN_ORIG_ORD_CANCELLED_QTY	The original plan cancelled orders expressed in units.	NUMBER(12,4)	31	No
F_PLN_ORIG_ORD_QTY	The original plan goods unit that have been ordered but not received.	NUMBER(12,4)	32	No
F_PLN_ORIG_RECL_IN_QUANTITY	The original plan quantity of inventory transferred in as a result of reclassification.	NUMBER(12,4)	33	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_ORIG_RECL_OUT_QTY	The original plan quantity of inventory transferred out as a result of reclassification.	NUMBER(12,4)	34	No
F_PLN_ORIG_RTV_QTY	The original plan goods returned to vendor expressed in units.	NUMBER(12,4)	35	No
F_PLN_ORIG_EOP_RTL_AMT	The original plan ending inventory retail amount.	NUMBER(18,4)	36	No
F_PLN_ORIG_EOP_QTY	The original plan ending inventory units.	NUMBER(12,4)	37	No
F_PLN_ORIG_ORD_COST_AMT	The original plan cost of goods that have been ordered but not received.	NUMBER(18,4)	38	No
F_PLN_ORIG_ORD_CNCL_LD_COST_AMT	The original plan on order cancel cost amount.	NUMBER(18,4)	39	No
F_PLN_ORIG_CMTS_COST_AMT	The original plan cost amount of commitments made to suppliers.	NUMBER(18,4)	40	No
F_PLN_ORIG_CUM_MKUP_PCT	The original plan percentage difference between total delivered cost and total original retail value of merchandise handled within a stated time frame, inclusive of the accumulated inventory.	NUMBER(12,4)	41	No
F_PLN_ORIG_COGS_AMT	The original plan cost of goods sold amount.	NUMBER(18,4)	42	No
F_PLN_ORIG_EXCL_SLS_VAT_AMT	The original plan total sales value excluding value added tax amount. Sales value includes regular, clearance and promotional sales minus customer returns.	NUMBER(18,4)	43	No
F_PLN_ORIG_EMPTY_DISC_AMT	The original plan employee discount at retail.	NUMBER(18,4)	44	No
F_PLN_ORIG_FRGHT_COST_AMT	The original plan freight cost amount.	NUMBER(18,4)	45	No
F_PLN_ORIG_WRKRM_COST_AMT	The original plan workroom cost amount.	NUMBER(18,4)	46	No
F_PLN_ORIG_RTRNS_SLS_AMT	The original plan customer sales return retail amount.	NUMBER(18,4)	47	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_PLN_ORIG_EOP_COST_AMT	The original plan ending cost amount.	NUMBER(18,4)	48	No

**prcilddm.txt**

## Business rules

- This interface file contains prices by item and location combination on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	4	Yes
CHNG_CDE	The reason code for price change.	CHARACTER(2)	5	No
F_MULTI_UNIT_QTY	The number of units that comprise a multi-unit transaction.	NUMBER(12,4)	6	No
F_UNIT_RTL_AMT	The unit value of new retail valuation/price in primary currency.	NUMBER(18,4)	7	No
F_UNIT_RTL_AMT_LCL	The unit value of new retail valuation/price in local currency.	NUMBER(18,4)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_MULTI_UNIT_RTL_AMT	The unit dollar value of new retail multi unit valuation/price.	NUMBER(18,4)	9	No
F_MULTI_UNIT_RTL_AMT_LCL	The unit dollar value of new retail multi unit valuation/price in local currency.	NUMBER(18,4)	10	No
SELLING_UOM_CDE	The selling unit of measure code for an item's single-unit retail. This is a non-aggregatable value.	CHARACTER(4)	11	No
MULTI_SELLING_UOM_CDE	The selling unit of measure code for an item's multi-unit retail. This is a non-aggregatable value.	CHARACTER(4)	12	No

### prdcldsm.txt

#### Business rules

- This interface file contains classes within a department.
- This interface file cannot contain duplicate records for a dept\_idnt, class\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER(4)	1	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	2	Yes
CLASS_DESC	The name of the class in the product hierarchy.	CHARACTER(120)	3	No

Name	Description	Data Type/Bytes	Field Order	Required Field
CLASS_BUYR_IDNT	The unique identifier for the buyer of the class.	CHARACTER(4)	4	No
CLASS_BUYR_NAME	The name of the buyer for this class of products	CHARACTER(120)	5	No
CLASS_MRCH_IDNT	The unique identifier of the merchandiser for this department.	CHARACTER(4)	6	No
CLASS_MRCH_NAME	The name of the merchandiser for this class of products.	CHARACTER(120)	7	No

**prdcmpdm.txt**

Business rules:

- This interface file contains company information.
- This interface file cannot contain duplicate records for a cmpy\_idnt.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
CMPY_IDNT	The unique identifier of the company in product and organization hierarchy.	CHARACTER(4)	1	Yes
CMPY_DESC	The name of the company in product and organization hierarchy.	CHARACTER(120)	2	No

**prdepsdm.txt**

Business rules

- This interface file contains departments within a group.
- This interface file cannot contain duplicate records for a dept\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	1	Yes
GRP_IDNT	The unique identifier of the group in the product hierarchy.	CHARACTER(4)	2	Yes
DEPT_DESC	The name of the department in the product hierarchy.	CHARACTER(120)	3	No
DEPT_BUYR_IDNT	The unique identifier of the buyer for the department.	CHARACTER(4)	4	No
DEPT_BUYR_NAME	The name of the buyer which corresponds to the dept_buyr_idnt for the department.	CHARACTER(120)	5	No
DEPT_MRCH_IDNT	The unique character representation of the merchandiser for the department.	CHARACTER(4)	6	No
DEPT_MRCH_NAME	The name of the merchandiser that corresponds to the dept_mrch_idnt for the department.	CHARACTER(120)	7	No
PRFT_CALC_TYPE_CDE	The unique code which determines whether profit will be calculated based on cost or retail for the department.	CHARACTER(1)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
PRFT_CALC_TYPE_DESC	The description of the what method the profit was calculated for the department. Typically, it would be cost or retail.	CHARACTER(120)	9	No
PURCH_TYPE_CDE	The code that determines which type of stock the items are within this department (that is, normal stock vs. consignment stock).	CHARACTER(1)	10	No
PURCH_TYPE_DESC	The description of the type of merchandise within the department (that is, normal stock, consignment stock, and so on).	CHARACTER(120)	11	No
BUD_INT	The budgeted intake percentage. The term is synonymous with markup percent of retail.	NUMBER(12,4)	12	No
BUD_MKUP	The budgeted markup percentage. This term is synonymous with markup percent of cost.	NUMBER(12,4)	13	No
TOTL_MKT_AMT	The total market amount expected for this department.	NUMBER(18,4)	14	No
MKUP_CALC_TYPE_CDE	The code which determines how markup is calculated for the department.	CHARACTER(1)	15	No

---

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
MKUP_CALC_TYPE_DESC	The description of the how the markup is calculated for the department.	CHARACTER(120)	16	No
OTB_CALC_TYPE_CDE	The code that determines if Open To Buy (OTB) is based on cost or retail for the department.	CHARACTER(1)	17	No
OTB_CALC_TYPE_DESC	The description of the whether the OTB is calculated based on cost or retail.	CHARACTER(120)	18	No

---

**prddiffdm.txt**

## Business rules

- This interface file contains all item differentiator identifiers, along with their associated NRF industry codes.
- This interface file cannot contain duplicate records for a diff\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
DIFF_IDNT	The uniquely identifier of a differentiator. (that is, diff_type = 'S' might have these differentiators: 1, 50, 1000; then diff_type = 'C' cannot use the same numbers)	CHARACTER(10)	1	Yes
DIFF_TYPE	The unique identifier of a differentiator type. (that is, 'S' - size, 'C' - color, 'F' - flavor, 'E' - scent, 'P' - pattern).	CHARACTER(6)	2	No
DIFF_DESC	The description of the differentiator	CHARACTER(120)	3	No
INDUSTRY_CDE	A unique number that represents all possible combinations of sizes.	CHARACTER(10)	4	No
INDUSTRY_SUBGROUP	A unique number that represents all different color range group.	CHARACTER(10)	5	No

**prddivdm.txt**

## Business rules

- This interface file contains divisions within a company.
- This interface file cannot contain duplicate records for a div\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DIV_IDNT	The unique identifier of a division in the product hierarchy.	CHARACTER(4)	1	Yes
CMPY_IDNT	The unique identifier of the company in product and organization hierarchy.	CHARACTER(4)	2	Yes
DIV_DESC	The name of the division in the product hierarchy.	CHARACTER(120)	3	No
DIV_BUYR_IDNT	The unique character representation of the buyer for the division.	CHARACTER(4)	4	No
DIV_BUYR_NAME	The name of the buyer for the division.	CHARACTER(120)	5	No
DIV_MRCH_IDNT	The unique identifier of the merchandiser for the division.	CHARACTER(4)	6	No
DIV_MRCH_NAME	The name of the merchandiser for the division.	CHARACTER(120)	7	No

**prddtypdm.txt**

## Business rules

- This interface file contains differentiator (diff) types.
- This interface file cannot contain duplicate records for a diff\_type.
- The maximum number of diff types allowed in RDW is 30. If new diff types (inserts via the text file) plus existing diff types (on the prod\_diff\_type\_dm table) exceeds 30, data processing errors occur.
- For more information regarding the impact of diff type dimension changes to the RDW front end, see the RDW Middle Tier Installation Guide.
- This data is loaded during installation.

Name	Description	Data Type/Bytes	Field Order	Required Field
DIFF_TYPE	The unique identifier of a differentiator type. (that is, 'S' - size, 'C' - color, 'F' - flavor, 'E' - scent, 'P' - pattern).	CHARACTER(6)	1	Yes
DIFF_TYPE_DESC	The description of the differentiator type.	CHARACTER(120)	2	Yes

**prdgrpdm.txt**

## Business rules

- This interface file contains groups within a division.
- This interface file cannot contain duplicate records for a grp\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
GRP_IDNT	The unique identifier of the group in the product hierarchy.	CHARACTER(4)	1	Yes
DIV_IDNT	The unique identifier of a division in the product hierarchy.	CHARACTER(4)	2	Yes
GRP_DESC	The name of the group in the product hierarchy.	CHARACTER(120)	3	No
GRP_BUYR_IDNT	The unique character representation of the buyer for the group.	CHARACTER(4)	4	No

Name	Description	Data Type/Bytes	Field Order	Required Field
GRP_BUYR_NAME	The name of the buyer that corresponds with the buyr_idnt for the group.	CHARACTER(120)	5	No
GRP_MRCH_IDNT	The unique identifier of the merchandiser for the group.	CHARACTER(4)	6	No
GRP_MRCH_NAME	The name of the merchandiser that corresponds to the grp_mrch_idnt for the group.	CHARACTER(120)	7	No

### prdisldm.txt

#### Business rules

- This interface file contains records associating tracking level items with locations and suppliers.
- This interface file cannot contain duplicate records for a supp\_idnt, item\_idnt, loc\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	3	Yes
SUPP_PRT_NBR	The corresponding suppliers part number.	CHARACTER(30)	4	No

Name	Description	Data Type/Bytes	Field Order	Required Field
PRMY_SUPP_IND	Indicator to maintain and track the primary supplier for an item. Y indicates this is a primary supplier for the item at the location.	CHARACTER(1)	5	No
PRESENTATION_METHOD	The description of the packaging (if any) being taken into consideration in the specified dimensions. Valid values are 'JHOOK', 'STACK'.	CHARACTER(6)	6	No
F_SUPP_CASE_QTY	The quantity of the item in an orderable case pack from the primary supplier.	NUMBER(12,4)	7	No

### prditmclstrdm.txt

#### Business rules

- This interface file contains item clusters.
- This interface file cannot contain duplicate records for an item\_clstr\_key.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_CLSTR_KEY	Surrogate key used to identify an item cluster. This column is used for Behavior Profiling.	NUMBER(4)	1	Yes
ITEM_CLSTR_DESC	The reference name for this cluster of item's.	CHARACTER(30)	2	No
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	3	Yes

**prditmdm.txt**

## Business rules

- This interface file contains items within a subclass, class, and department. The combination of subclass, class and department makes an item unique. That is, item 100 cannot be identified by subclass 10, because subclass 10 can belong to different classes, and represent 2 different subclasses. Item 100 belongs to a combination of subclass, class and department.
- This interface file cannot contain duplicate records for an item\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LEVEL1_IDNT	The unique identifier of the first level item of the family.	CHARACTER(25)	2	No
LEVEL2_IDNT	The unique identifier of the second level item of the family.	CHARACTER(25)	3	No
LEVEL3_IDNT	The unique identifier of the third level item of the family.	CHARACTER(25)	4	No
ITEM_LEVEL	The number indicating which of the three levels the item resides. Valid values are 1, 2 and 3.	NUMBER(1)	5	Yes
TRAN_LEVEL	The number indicating which of the three levels transactions occur for the item's group. Valid values are 1, 2 and 3.	NUMBER(1)	6	Yes

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DIFF_1	One of the four differentiator identifier available from the source system.	CHARACTER(10)	7	No
DIFF_2	One of the four differentiator identifier available from the source system.	CHARACTER(10)	8	No
DIFF_3	One of the four differentiator identifier available from the source system.	CHARACTER(10)	9	No
DIFF_4	One of the four differentiator identifier available from the source system.	CHARACTER(10)	10	No
ITEM_AGGREGATE_IND	Indicator for the item. Indicator specifies if item may aggregate by numbers.	CHARACTER(1)	11	No
DIFF_1_AGGREGATE_IND	Indicator for the corresponding differentiator. Indicates if aggregation can be done for this specific differentiator.	CHARACTER(1)	12	No
DIFF_2_AGGREGATE_IND	Indicator for the corresponding differentiator. Indicates if aggregation can be done for this specific differentiator.	CHARACTER(1)	13	No

Name	Description	Data Type/Bytes	Field Order	Required Field
DIFF_3_AGGREGATE_IND	Indicator for the corresponding differentiator. Indicates if aggregation can be done for this specific differentiator.	CHARACTER(1)	14	No
DIFF_4_AGGREGATE_IND	Indicator for the corresponding differentiator. Indicates if aggregation can be done for this specific differentiator.	CHARACTER(1)	15	No
PACK_IND	Indicates if the item is a pack.	CHARACTER(1)	16	No
PACK_SELLABLE_CDE	Indicates whether the pack is sellable. A sellable pack is a group of items that is to be sold as one item, whether the pack arrived as orderable or if the retailer took it upon themselves to package and sell the items together.	CHARACTER(6)	17	No
PACK_SELLABLE_DESC	The pack sellable description. Valid descriptions are: Sellable, Non-sellable.	CHARACTER(120)	18	No

Name	Description	Data Type/Bytes	Field Order	Required Field
PACK_SIMPLE_CDE	Indicates whether the pack is simple. A simple pack is the grouping of multiples of one particular item to be sold as one item. An example would be a twelve pack of cola.	CHARACTER(6)	19	No
PACK_SIMPLE_DESC	The pack simple description. Valid descriptions are: Simple, complex.	CHARACTER(120)	20	No
PACK_ORDERABLE_CDE	The abbreviated code for the pack order type: vendor or buyer. An orderable pack is a pack whose contents are specified by the buyer. A vendor pack is a pack that is packaged by the vendor and can only be ordered that way.	CHARACTER(6)	21	No
PACK_ORDERABLE_DESC	The pack order type description.	CHARACTER(120)	22	No
PACK_IND	Indicates if the item is a pack.	CHARACTER(1)	16	No
PACKAGE_UOM	The unit of measure associated with the package size.	CHARACTER(4)	23	No
PACKAGE_SIZE	The size of the product printed on any packaging.	NUMBER(12,4)	24	No

Name	Description	Data Type/Bytes	Field Order	Required Field
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER(4)	25	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER(4)	26	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	27	Yes
ITEM_DESC	The long description of the item. This description is used throughout the system to help online users identify the item.	CHARACTER(255)	28	No
ITEM_SECND_DESC	The secondary description of the item.	CHARACTER(255)	29	No
ITEM_SHRT_DESC	The shortened description of the item. This description may be the default for downloading to the point of sale system.	CHARACTER(120)	30	No
ITEM_NBR_TYPE_CDE	The code specifying what type the item is. Some valid values for this field are ITEM, UPC-A, EAN13, ISBN, and so on.	CHARACTER(6)	31	No
ITEM_NBR_TYPE_DESC	The description of the item number type.	CHARACTER(120)	32	No
STND_UOM_CDE	The string that uniquely identifies the unit of measure.	CHARACTER(6)	33	No

Name	Description	Data Type/Bytes	Field Order	Required Field
STND_UOM_DESC	The description of the UOM_CDE for clarity.	CHARACTER(120)	34,	No
FORECAST_IND	Indicates if an item can be interfaced to a forecasting system.	CHARACTER(1)	35	Yes
SELLABLE_IND	Indicates whether the item can be sold. If 'N', then the only analysis available is on customer order lines of type partial.	CHARACTER(1)	36	No
INV_IND	Indicates whether an item is an inventory item or a non-inventory item (such as gift certificates, labor)	CHARACTER(1)	37	No
MRCH_IND	Indicates whether the item's sales are financially tracked in the stock ledger.	CHARACTER(1)	38	No
RECIPE_CARD_IND	Indicates whether a recipe card is available for the item.	CHARACTER(1)	39	No
PRSH_IND	Indicates whether the item is perishable.	CHARACTER(1)	40	No
ITEM_TYPE_IDNT	The unique identifier for the item type. Example item types include Swatch, Component, Raw, and so on.	CHARACTER(6)	41	No

---

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
CONV_TYPE_IDNT	The unique identifier for the conveyable type. Conveyable type indicates whether the product needs to be hand carried or can be placed on the conveyer belt to be moved.	CHARACTER(6)	42	No
CLLCTN_IDNT	The unique identifier for the collection to which this item belongs. A collection may be a line of leather furniture, including an armchair, ottoman, sofa, and so on which are all part of the Leather Collection.	CHARACTER(6)	43	No

---

**prditmlm.txt**

## Business rules

- This interface file contains one row for each item list. An item list is normally used to group items for reporting purpose.
- This interface file cannot contain duplicate records for an itemlst\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEMLST_IDNT	The unique identifier of an item list.	CHARACTER(10)	1	Yes
CREATE_ID	The login ID of the person who created the Item List.	CHARACTER(30)	2	Yes
ITEMLST_DESC	The description or name of the item list.	CHARACTER(120)	3	No

**prditmlmdm.txt**

## Business rules

- This interface file contains the associations between item list and tracking level item identifiers.
- This interface file cannot contain duplicate records for an itemlst\_idnt and item\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEMLST_IDNT	The unique identifier of an item list.	CHARACTER(10)	1	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	2	Yes

**prditmltmdm.txt**

## Business rules

- This interface file contains associations among locations, tracking level items, and their location traits.
- This interface file cannot contain duplicate records for an item\_idnt, loc\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
LAUNCH_DT	The date that the item should first be sold at the location.	DATE	3	No
DEPOSIT_CDE	The code which indicates whether a deposit is associated with this item at the location	CHARACTER(6)	4	No
FOOD_STAMP_IND	Indicates whether the item is approved for food stamps at the location.	CHARACTER(1)	5	No
REWARD_ELIGIBLE_IND	Indicates whether the item is legally valid for various types of bonus point/award programs at the location.	CHARACTER(1)	6	No
NATL_BRAND_COMP_ITEM	The nationally branded item to which you would like to compare the current item.	CHARACTER(25)	7	No

---

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
STOP_SALE_IND	Indicates that sale of the item should be stopped immediately at the location.	CHARACTER(1)	8	No
ELECT_MKT_CLUBS	The code that represents the electronic marketing clubs to which the item belongs at the location.	CHARACTER(6)	9	No
STORE_REORDERABLE_IND	Indicates whether the store may re-order the item.	CHARACTER(1)	10	No
FULL_PALLET_ITEM_IND	Indicates whether a store must reorder an item in full pallets only.	CHARACTER(1)	11	No
DEPOSIT_CDE_DESC	The deposit code description which indicates whether a deposit is associated with this item at the location.	CHARACTER(120)	12	No

---

**prditmsmdm.txt**

## Business rules

- This interface file contains associations between a tracking level or above item, and a product season/phase.
- This interface file cannot contain duplicate records for an item.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
PROD_SEASN_IDNT	The unique identifier of a product season.	CHARACTER(3)	2	Yes
PROD_PHASE_IDNT	The unique identifier of the product phase.	CHARACTER(3)	3	Yes

**prditmuddm.txt**

## Business rules

- This interface file contains the associations between user defined attributes (UDA) at the detail level.
- This interface file cannot contain duplicate records for an item\_uda\_dtl\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_UDA_HEAD_IDNT	The unique identifier of the UDA.	CHARACTER(5)	1	Yes
ITEM_UDA_DTL_IDNT	The unique identifier of the text or date or lov values for a uda.	CHARACTER(256)	2	Yes
ITEM_UDA_DTL_DESC	The description of UDA value, text, or date.	CHARACTER(255)	3	No

**prditmuhdm.txt**

## Business rules

- This interface file contains distinct user defined attribute (UDA) values.
- This interface file cannot contain duplicate records for an item\_uda\_head\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_UDA_HEAD_IDNT	The unique identifier of the UDA.	CHARACTER(5)	1	Yes
ITEM_UDA_TYPE_CDE	The code designating the uda type: DT=date, LV=list of values, FF=Free form text.	CHARACTER(3)	2	Yes
ITEM_UDA_HEAD_DESC	The description of the UDA.	CHARACTER(120)	3	Yes

### prditmumdm.txt

#### Business rules

- This interface file contains the associations between UDA (User Defined Attributes) at the detail level and item identifiers at the tracking level.
- This interface file cannot contain duplicate records for an item\_uda\_dtl\_idnt and item\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_UDA_HEAD_IDNT	The unique identifier of the UDA.	CHARACTER(5)	1	Yes
ITEM_UDA_DTL_IDNT	The unique identifier of the text or date or lov values for a uda.	CHARACTER(256)	2	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	3	Yes

**prdpimdm.txt**

## Business rules

- This interface file contains the associations between packs and their component tracking-level item identifiers.
- This interface file cannot contain duplicate records for a pack\_idnt and item\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
PACK_IDNT	The unique identifier of pack.	CHARACTER(25)	1	Yes
PACK_ITEM_QTY	Total quantity of a unique item within a pack.	NUMBER(12,4)	2	No
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	3	Yes

**prdsbcdm.txt**

## Business rules:

- This interface file contains a subclass within a class and a department.
- This interface file cannot contain duplicate records for a dept\_idnt, class\_idnt, subclass\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER(4)	1	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER(4)	2	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	3	Yes
SBCLASS_DESC	The name of the subclass in the product hierarchy.	CHARACTER(120)	4	No

Name	Description	Data Type/Bytes	Field Order	Required Field
SBCLASS_BUYR_IDNT	The unique identifier of the buyer for this subclass of products.	CHARACTER(4)	5	No
SBCLASS_BUYR_NAME	The name of the buyer for this subclass of products.	CHARACTER(120)	6	No
SBCLASS_MRCH_IDNT	The unique identifier for the merchandiser of this subclass of products.	CHARACTER(4)	7	No
SBCLASS_MRCH_NAME	The name of the merchandiser for this subclass of products.	CHARACTER(120)	8	No

### prmdtldm.txt

#### Business rules

- This interface file cannot contain duplicate records for an event\_idnt, head\_idnt, prmtn\_dtl\_idnt combination.
- This interface file contains the complete snapshot of active information.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the dimension flat file interface layout standard.
- event\_idnt will be -3 if the promotion detail comes from DTC.

Name	Description	Data Type/Bytes	Field Order	Required Field
PRMTN_DTL_IDNT	The unique identifier of a promotion detail.	CHARACTER(10)	1	Yes
HEAD_IDNT	The unique identifier of a promotion head.	CHARACTER(10)	2	Yes
EVENT_IDNT	The unique identifier of a promotion event.	CHARACTER(10)	3	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
PRMTN_TRIG_TYPE_IDNT	The unique identifier of the promotion trigger type. Valid values can be 'offer code', 'media code', and so on.	NUMBER(10)	4	Yes
PRMTN_SRC_CDE	The unique identifier of a promotion source. Valid values can be 'DTC', 'RPM' or any other promotion source chosen by client.	CHARACTER(6)	5	Yes
PRMTN_SVC_TYPE_IDNT	The unique identifier of a promotion service type.	CHARACTER(10)	6	Yes
PRMTN_FMT_IDNT	The unique identifier of a promotion format.	CHARACTER(10)	7	Yes
BEG_DT	The date the promotion begins.	DATE	8	Yes
PRMTN_DTL_DESC	Description for the promotion detail identifier.	CHARACTER(160)	9	No
PRMTN_SVC_TYPE_DESC	Description for the promotion service type.	CHARACTER(120)	10	No
PRMTN_FMT_DESC	Description for the promotion format.	CHARACTER(120)	11	No
END_DT	The date the promotion ends.	DATE	12	No

**prmevtdm.txt**

## Business rules

- This interface file contains promotion events and related attributes. Events are time periods used to group promotions for analysis.
- This interface file cannot contain duplicate records for an event\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
EVENT_IDNT	The unique identifier of a promotion event.	CHARACTER(10)	1	Yes
EVENT_DESC	Description for the promotion event.	CHARACTER(1000)	2	No
THEME_DESC	Description for the promotion theme.	CHARACTER(120)	3	No

**prmhdrdm.txt**

## Business rules

- This interface file contains promotion headers and their attributes. Headers define a promotion and its start/end dates.
- This interface file cannot contain duplicate records for a head\_idnt.
- All promotion head\_idnt records require a beginning date, even if they are 'dummy' values such as 4444-04-04.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
HEAD_IDNT	The unique identifier of a promotion head.	CHARACTER(10)	1	Yes
EVENT_IDNT	The unique identifier of a promotion event.	CHARACTER(10)	2	Yes
HEAD_NAME	Name for the promotion head.	CHARACTER(160)	3	No
HEAD_DESC	Description for the promotion head.	CHARACTER(255)	4	No
BEG_DT	The date the promotion begins.	DATE	5	Yes
END_DT	The date the promotion ends.	DATE	6	No

**regngrpdm.txt**

## Business rules

- This interface file contains regionality group information.
- This interface file cannot contain duplicate records for a regionality\_grp\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
REGIONALITY_GRP_IDNT	The unique identifier of the regionality group.	CHARACTER(4)	1	Yes
REGIONALITY_GRP_DESC	The name of the regionality group.	CHARACTER(120)	2	No
REGIONALITY_GRP_ROLE_CDE	The role that a client wants to assign to this group. This field is referenced in the code type 'ROLE'.	CHARACTER(6)	3	No
REGIONALITY_GRP_ROLE_DESC	The description for a role.	CHARACTER(120)	4	No

**regnmtxdm.txt**

## Business rules

- This interface file contains the associations among regionality groups, departments, locations and suppliers.
- This interface file cannot contain duplicate records for a regionality\_grp\_idnt, loc\_idnt, supp\_idnt, dept\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
REGIONALITY_GRP_IDNT	The unique identifier of the regionality group.	CHARACTER(4)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER(2)	3	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	4	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER(4)	5	Yes

**rgstrdm.txt**

## Business rules

- This interface file contains register information.
- This interface file cannot contain duplicate records for a rgstr\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
RGSTR_IDNT	The unique identifier of the register.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes

**rplciddm.txt**

## Business rules

- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.
- The banner\_idnt corresponding to the hdr\_media\_idnt and line\_media\_idnt must be the same.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, hdr\_media\_idnt, line\_media\_idnt, banner\_idnt, and day\_dt combination.
- This interface file contains the replacement data for an item, location, order header media, and order line media combination on a given day.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The transaction date when the customer order line was created or modified.	DATE	3	Yes
HDR_MEDIA_IDNT	The unique identifier of the customer order header level media.	CHARACTER(10)	4	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER(10)	5	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER(4)	6	Yes
F_RPLC_IN_QTY	The number of units that have been received from the customer for a replacement in transaction.	NUMBER(12,4)	7	No
F_RPLC_OUT_QTY	The number of units that have been sent to the customer for a replacement out transaction.	NUMBER(12,4)	8	No
F_RPLC_COST_IN_AMT	The total cost, in primary currency, of the units received from the customer for a replacement in transaction.	NUMBER(18,4)	9	No
F_RPLC_COST_IN_AMT_LCL	The total cost, in local currency, of the units received from the customer for a replacement in transaction.	NUMBER(18,4)	10	No
F_RPLC_COST_OUT_AMT	The total cost, in primary currency, of the units sent to the customer for a replacement out transaction.	NUMBER(18,4)	11	No
F_RPLC_COST_OUT_AMT_LCL	The total cost, in local currency, of the units sent to the customer for a replacement out transaction.	NUMBER(18,4)	12	No

**rqstactvdmdm.txt**

## Business rules

- This interface file cannot contain duplicate records for a rqst\_actv\_idnt.
- This data contains only the current day's newly created transactions.
- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This interface file follows the fact flat file interface layout standard.
- The format of the min\_idnt field is the hour (in format HH24) followed by a number 01-60, which indicates the minute of that hour.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ACTV_RQST_IDNT	The unique identifier of the activity request.	CHARACTER(12)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
MIN_IDNT	The unique identifier of the minute.	NUMBER(4)	3	Yes
ACTV_RQST_TYPE_IDNT	The unique identifier of the activity request type.	CHARACTER(120)	4	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	5	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	6	Yes
BANNER_IDNT	The unique identifier of a banner. Banner represents the name of a retail company's subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel or brick and mortar store.	CHARACTER(4)	7	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER(25)	8	Yes
F_ACTV_RQST_COUNT	The number of activity requests. In this request, day, minute-level table, the count value can only be 1.	NUMBER(16,4)	9	No

**rqstctlgddm.txt**

## Business rules

- This interface file cannot contain duplicate records for a rqst\_ctlg\_idnt.
- This interface file follows the fact flat file interface layout standard.
- This data must be extracted from the source system after midnight, and only data created in the system before midnight must be extracted.
- This data contains only the current day's newly created transactions.

Name	Description	Data Type/Bytes	Field Order	Required Field
CTLG_RQST_IDNT	The unique identifier of the catalog request.	CHARACTER(12)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
CTLG_TYPE_IDNT	The unique identifier of the catalog type requested.	CHARACTER(30)	3	Yes
CTLG_RQST_TYPE_IDNT	The unique identifier of the catalog request type.	CHARACTER(120)	4	Yes
RQST_ORGN_IDNT	The unique identifier of the request origin.	CHARACTER(30)	5	Yes
CUST_IDNT	The unique identifier of the customer.	CHARACTER(15)	6	Yes
CSR_IDNT	The unique identifier of a customer service representative.	CHARACTER(30)	7	Yes
F_CTLG_RQST_COUNT	The number of catalog requests. In this request, day-level table, the count value can only be 1.	NUMBER(16,4)	8	No

**rsndm.txt**

## Business rules

- This interface file contains the reason class, types, and codes for the reason dimension. The file can hold various kinds of transaction reasons/codes such as inventory adjustment, return-to-vendor, voids, sales, and so on. The reason class allows definition of the reason, and the corresponding types and codes can also be defined under the class.
- This interface file cannot contain duplicate records for a reasn\_code\_idnt, reasn\_type\_idnt, reasn\_class\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER(6)	1	Yes
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER(6)	2	Yes
REASN_CLASS_IDNT	The unique identifier of the reason class.	CHARACTER(6)	3	Yes
REASN_CODE_DESC	The description of the reason code	CHARACTER(120)	4	No
REASN_TYPE_DESC	The description of the reason type.	CHARACTER(120)	5	No
REASN_CLASS_DESC	The description of the reason class	CHARACTER(120)	6	No

### saviddm.txt

#### Business rules

- This interface file contains summarized item availability quantities for a supplier, item on a given day.
- This interface file cannot contain duplicate transactions for an item\_idnt, supp\_idnt, and day\_dt combination.
- This interface file contains only the current day's new or changed information.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_AVAIL_QTY	The quantity of stock available to be ordered from the supplier.	NUMBER(12,4)	4	No

**scmiaiddm.txt**

Business rules:

- Contains data pertaining to a supplier's missed shipments by location and day.
- Cannot contain duplicate transactions for a supp\_idnt, loc\_idnt, day\_dt.
- Follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_MISSED_ASN_COUNT	The total number of ASN (advanced ship notice) shipments that were expected and not received.	NUMBER(16,4)	4	No

**scmididdm.txt**

- Cannot contain duplicate transactions for a supp\_idnt, loc\_idnt, day\_dt.
- Contains data pertaining to a supplier's missed deliveries by location and day.
- Follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_MISSED_SCHED_COUNT	The total number of scheduled shipments that have not been received.	NUMBER(16,4)	4	No

**scmiolddm.txt**

Business rules:

- Cannot contain duplicate transactions for a supp\_idnt, loc\_idnt, day\_dt.
- Contains data pertaining to a supplier's missed purchase orders by location and day.
- Follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_MISSED_ORDER_COUNT	The total number of purchase order shipments that were expected and not received.	NUMBER(16,4)	4	No

**scqcdm.txt**

Business rules:

- Cannot contain duplicate transactions for an item\_idnt, supp\_idnt, ship\_idnt, loc\_idnt, day\_dt, po\_idnt.
- Contains shipment information about which items requiring QC (quality control) failed or passed the QC test.
- Follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SHIP_IDNT	The unique identifier of the shipment.	CHARACTER(10)	2	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	3	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	4	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	5	Yes
PO_IDNT	The unique identifier of a purchase order.	CHARACTER(8)	6	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
F_QC_FLAG	Indicates whether or not quality control checking was required on the receipt.	CHARACTER(1)	7	No
F_QC_FAILED_QTY	The total quantity of items that failed quality control checks.	NUMBER(12,4)	8	No
F_QC_PASSED_QTY	The total quantity of items that passed quality control checks.	NUMBER(12,4)	9	No

### scrqtlddm.txt

Business rules:

- Contains shipment information about quantity of items received.
- Cannot contain duplicate transactions for an item\_idnt, supp\_idnt, ship\_idnt, loc\_idnt, day\_dt, po\_idnt.
- Follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes
SHIP_IDNT	The unique identifier of the shipment.	CHARACTER(10)	3	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	4	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	5	Yes
PO_IDNT	The unique identifier of a purchase order.	CHARACTER(8)	6	Yes
F_ASN_EXPECTED_QTY	The total advanced shipment notice (ASN) quantity expected.	NUMBER(12,4)	7	No
F_RECEIVED_QTY	The total quantity received.	NUMBER(12,4)	8	No
F_ORDERED_QTY	The total quantity ordered.	NUMBER(12,4)	9	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_ASN_EXPECTED_COUNT	The number of advance shipping notice (ASN) deliveries where the quantity received equaled the quantity expected. The count value can only be 0 or 1.	NUMBER(16,4)	10	No
F_ASN_UNDER_COUNT	The number of advanced shipping notice (ASN) deliveries where the quantity received were less than the number expected. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	11	No
F_ASN_OVER_COUNT	The number of advanced shipping notice (ASN) deliveries where the quantity received exceeded the number expected. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	12	No
F_MISMATCHED_COUNT	The number of deliveries where quantity was received for an item that was not expected. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	13	No
F_FULL_PO_COUNT	The number of purchase orders where all expected quantity was received. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	14	No
F_PART_PO_COUNT	The number of purchase orders where only part of the expected quantity was received. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	15	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_OVER_PO_COUNT	The number of purchase orders where more than the expected quantity was received. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	16	No
PICKUP_LOC	The user-entered location of shipment for client to pick up.	CHARACTER(255)	17	No
PICKUP_NBR	The user-entered identifier of a shipment.	CHARACTER(25)	18	No
PICKUP_DT	The user entered date of the pickup.	DATE	19	No

### scrtllddm.txt

Business rules:

- This interface file contains shipment information about quantity of items received. This data is only associated with scrqtllddm.txt.
- This interface file contains shipment information about timeliness of receipt. This data is only associated with scrtllddm.txt.
- This interface file contains shipment information about which items requiring QC (quality control) failed or passed the QC test. This data is only associated with scqcdm.txt.
- This interface file cannot contain duplicate transactions for item\_idnt, ship\_idnt, supp\_idnt, loc\_idnt, day\_dt, po\_idnt. This interface file is also applied to the scrqtllddm.txt and scrtllddm.txt interface files.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes
SHIP_IDNT	The unique identifier of the shipment.	CHARACTER(10)	3	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	4	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	5	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
PO_IDNT	The unique identifier of a purchase order.	CHARACTER(8)	6	Yes
F_ON_TIME_COUNT	The number of deliveries where the quantity received equaled the number expected. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	7	No
F_EARLY_COUNT	The number of deliveries that arrived before the scheduled time. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	8	No
F_LATE_COUNT	The number of deliveries that arrived after the scheduled time. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	9	No
F_UNSCHEDED_COUNT	The number of deliveries that arrived on days other than the scheduled date. In this day-level table, the count value can only be 0 or 1.	NUMBER(16,4)	10	No
F_DAYS_EARLY_COUNT	The total number of days a shipment arrived before the scheduled date.	NUMBER(16,4)	11	No
F_DAYS_LATE_COUNT	The total number of days a shipment arrived after the scheduled date.	NUMBER(16,4)	12	No

### sctiddm.txt

#### Business rules

- This interface file contains supplier contract information.
- This interface file cannot contain duplicate transactions for an item\_idnt, cntrct\_idnt, day\_dt combination.
- This interface file contains only the current day's new or changed information.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
CNTRCT_IDNT	The unique identifier of a contract.	CHARACTER(6)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_CNTRCT_QTY	The total contracted quantity to be ordered from the supplier.	NUMBER(12,4)	4	No
F_CNTRCT_COST_AMT	The unit purchase cost negotiated for this contract.	NUMBER(18,4)	5	No
F_CNTRCT_ORD_QTY	The total ordered quantity from the contract to date for all locations.	NUMBER(12,4)	6	No
F_CNTRCT_ORD_COST_AMT	The total cost value for the ordered quantity from the contract to date for all locations.	NUMBER(18,4)	7	No
F_CNTRCT_ORD_CNCLLD_QTY	The total cancelled quantities from the contract to date, for all locations and orders.	NUMBER(12,4)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_CNTRCT_ORD_CNCLLD_COST_AMT	The total cost value for the cancelled quantities from the contract to date, for all locations and orders.	NUMBER(18,4)	9	No

**seasndm.txt**

## Business rules

- This interface file contains seasons. Seasons are arbitrary periods of time around which some retailers organize their buying and selling patterns. Each day should fall within no more than one season.
- This interface file cannot contain duplicate records for a `seasn_idnt`.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
SEASN_IDNT	The unique identifier of a season.	CHARACTER(3)	1	Yes
SEASN_START_DT	The beginning date for the season.	DATE	2	Yes
SEASN_END_DT	The ending date for the season.	DATE	3	Yes
SEASN_DESC	The description or name for the season.	CHARACTER(120)	4	No

**selitmdm.txt**

## Business rules

- This interface file cannot contain duplicate records for a `selling_item_idnt`.
- This interface file contains the complete snapshot of active information.
- This interface file follows the dimension flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
SELLING_ITEM_IDNT	The unique identifier of a selling item. A selling item represents a grouping of inventory items within a media.	CHARACTER(25)	1	Yes
SELLING_ITEM_DESC	The description of the selling item.	CHARACTER(255)	2	No

**sfcilwdm.txt**

## Business rules

- This interface file contains sales forecast information for an item and location combination on a given week.
- This interface file cannot contain duplicate transactions for an item\_idnt, loc\_idnt, and day\_dt.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_FCST_SLS_QTY	The forecast sales quantity.	NUMBER(12,4)	4	No

**sincilddm.txt**

## Business rules

- This interface file contains invoice and order cost information for each item on a matched invoice.
- This interface file cannot contain duplicate transactions for an item\_idnt, po\_idnt, invc\_idnt, supp\_idnt, day\_dt, and loc\_idnt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
PO_IDNT	The unique identifier of a purchase order.	CHARACTER(8)	2	Yes
INVC_IDNT	The unique identifier of an invoice.	CHARACTER(10)	3	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	4	Yes

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
SHIP_IDNT	The unique identifier of the shipment.	CHARACTER(10)	5	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	6	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	7	Yes
INVC_LINE_NBR	The number that differentiates invoice lines where item-PO-supp-day-ship-loc are all the same	NUMBER(18,4)	8	Yes
F_SUPP_INVC_COST_AMT	The invoice cost, in the system primary currency.	NUMBER(18,4)	9	No
F_SUPP_INVC_COST_AMT_LCL	The invoice cost, in the local currency	NUMBER(18,4)	10	No
F_SUPP_INVC_QTY	The quantity of an item shown on the invoice	NUMBER(12,4)	11	No
SUPP_INVC_STATUS_CDE	Status of the invoice line item. Valid values are 'U' for unmatched, 'R' for partially matched and 'M' for matched.	CHARACTER(2)	12	No

**s/sildmdm.txt**

## Business rules

- This interface file contains sales and returns for an item, location, day, minute, voucher, and transaction.
- RDW assumes that tran\_idnts received from the source system are unique across media-location-register-employee-minute-day. In an example from brick and mortar, two items, sold at the same location, by the same employee in the same minute, but at two different cash registers to two different customers in two different transactions, will result in two separate and distinct tran\_idnts; similarly, the same item/loc/day/minute/register but different employees, ringing up two separate transactions will result in two distinct tran\_idnts.
- tran\_idnt is unique across all locations.
- The format of the min\_idnt field is the hour (in format HH24) followed by a number 01-60, which indicates the minute of that hour.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER (25)	1	Yes
TRAN_IDNT	The unique identifier of the transaction.	CHARACTER (30)	2	Yes
VCHR_IDNT	Voucher number. If the Item is a gift certificate, then the corresponding Item Number will represent a VCHR_IDNT. This attribute is not a dimensional attribute but is used to uniquely identify a record.	CHARACTER (25)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
MIN_IDNT	The unique identifier of the minute.	NUMBER (4)	5	Yes
OVERRIDE_REASN_CODE_IDNT	The unique identifier for a reason code.	CHARACTER (6)	6	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
OVERRIDE_REASN_TYPE_IDNT	The unique identifier for a reason type.	CHARACTER (6)	7	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	8	Yes
RTRN_REASN_IDNT	The unique identifier used to identify a return reason code. These codes should exist in the RMS CODE_DETAIL table under 'SARR' code type.	CHARACTER (6)	9	Yes
CUST_REF	The customer identifier associated with the transaction.	CHARACTER (20)	10	Yes
CUST_REF_TYPE	The type of the identifier number used by a customer.	CHARACTER (6)	11	Yes
EMPLY_IDNT	The unique identifier of the employee.	CHARACTER (10)	12	Yes
SLSPRSN_IDNT	The unique identifier for a salesperson.	CHARACTER (10)	13	Yes
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER (10)	14	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER (10)	15	Yes
REASN_CODE_IDNT	The unique identifier of the reason code.	CHARACTER (6)	16	Yes
REASN_TYPE_IDNT	The unique identifier of the reason type.	CHARACTER (6)	17	Yes
SUB_TRAN_TYPE_IDNT	The unique identifier of the sub-transaction type.	CHARACTER (6)	18	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
LINE_MEDIA_IDNT	The identifier of a customer order line media.	CHARACTER (10)	19	Yes
BANNER_IDNT	The unique identifier of a banner.	CHARACTER (4)	20	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER (25)	21	Yes
CO_HDR_IDNT	The unique identifier of a customer order.	CHARACTER (30)	22	Yes
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER (30)	23	Yes
DROP_SHIP_IND	An indicator to identify if an item is shipped directly to the customer.	CHARACTER (1)	24	No
RTL_TYPE_CDE	The price type ('R'egular, 'P'romotion, 'C'learance).	CHARACTER (2)	25	Yes
F_SLS_AMT	The value of the sale in primary currency	NUMBER (18,4)	26	No
F_SLS_AMT_LCL	The value of the sale in local currency	NUMBER (18,4)	27	No
F_SLS_QTY	The number of items involved in the sale	NUMBER (12,4)	28	No
F_SLS_PRFT_AMT	The profit amount realized on the sale in primary currency.	NUMBER (18,4)	29	No
F_SLS_PRFT_AMT_LCL	The profit amount realized on the sale in local currency.	NUMBER (18,4)	30	No
F_RTRN_AMT	The value of the return in primary currency	NUMBER (18,4)	31	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_RTRN_AMT_LCL	The value of the return in local currency	NUMBER (18,4)	32	No
F_RTRN_QTY	The number of items involved in the return	NUMBER (12,4)	33	No
F_RTRN_PRFT_AMT	The profit amount realized on the return in primary currency	NUMBER (18,4)	34	No
F_RTRN_PRFT_AMT_LCL	The profit amount realized on the return in local currency	NUMBER (18,4)	35	No
F_SLS_ENTER_ITEM_COUNT	The number of times the item is manually entered by cashier for sale	NUMBER (16,4)	36	No
F_SLS_SCAN_ITEM_COUNT	The number of times the item is scanned by cashier for sale	NUMBER (16,4)	37	No
F_RTRN_ENTER_ITEM_COUNT	The number of times the item is manually entered by cashier for return	NUMBER (16,4)	38	No
F_RTRN_SCAN_ITEM_COUNT	Number of times the item is scanned by cashier for return	NUMBER (16,4)	39	No
F_SLS_IS_MKUP_COUNT	The count of the number of in store markup sales transactions	NUMBER (16,4)	40	No
F_SLS_IS_MKDN_COUNT	The count of the number of in store markdown sales transactions	NUMBER (16,4)	41	No
F_RTRN_IS_MKUP_COUNT	The count of the number of in store markup return transactions	NUMBER (16,4)	42	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_RTRN_IS_MKDN_COUNT	The count of the number of in store markdown return transactions	NUMBER (16,4)	43	No
F_SLS_IS_MKUP_AMT	The total in store markup amount in primary currency for sales transactions	NUMBER (18,4)	44	No
F_SLS_IS_MKUP_AMT_LCL	The total in store markup amount in local currency for sales transactions	NUMBER (18,4)	45	No
F_RTRN_IS_MKUP_AMT	The total in store markup amount in primary currency for return transactions	NUMBER (18,4)	46	No
F_RTRN_IS_MKUP_AMT_LCL	The total in store markup amount in local currency for return transactions	NUMBER (18,4)	47	No
F_SLS_IS_MKDN_AMT	The total in store markdown amount in primary currency for sales transactions	NUMBER (18,4)	48	No
F_SLS_IS_MKDN_AMT_LCL	The total in store markdown amount in local currency for sales transactions	NUMBER (18,4)	49	No
F_RTRN_IS_MKDN_AMT	The total in store markdown amount in primary currency for return transactions	NUMBER (18,4)	50	No
F_RTRN_IS_MKDN_AMT_LCL	The total in store markdown amount in local currency for return transactions	NUMBER (18,4)	51	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SLS_EMPLY_DISC_AMT	The total employee retail discount amount in primary currency for sales transactions	NUMBER (18,4)	52	No
F_SLS_EMPLY_DISC_AMT_LCL	The total employee retail discount amount in local currency for sales transactions	NUMBER (18,4)	53	No
F_RTRN_EMPLY_DISC_AMT	The total employee retail discount amount in primary currency for return transactions	NUMBER (18,4)	54	No
F_RTRN_EMPLY_DISC_AMT_LCL	The total employee retail discount amount in local currency for return transactions	NUMBER (18,4)	55	No
F_SLS_ACCOM_AMT	The total customer order accommodations, associated with items, in primary currency for sales transactions.	NUMBER (18,4)	56	No
F_SLS_ACCOM_AMT_LCL	The total customer order accommodations, associated with items, in local currency for sales transactions.	NUMBER (18,4)	57	No
F_SLS_VAT_AMT	The value of the sales value added tax in primary currency.	NUMBER (18,4)	58	No
F_SLS_VAT_AMT_LCL	The value of the sales value added tax in local currency	NUMBER (18,4)	59	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_RTRN_VAT_AMT	The value of the return value added tax in primary currency	NUMBER (18,4)	60	No
F_RTRN_VAT_AMT_LCL	The value of the return value added tax in local currency	NUMBER (18,4)	61	No

### sismkdnliddm.txt

#### Business rules

- This interface file contains point of sale, permanent, and clearance markdown and markup information for an item, location, and retail type on a given day.
- This interface file cannot contain duplicate transactions for a item\_idnt, loc\_idnt, rtl\_type\_cde, day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- This interface file contains neither break-to-sell items nor packs that contain break-to-sell component items.
- Typical markdowns, markups, markdown cancels, and markup cancels should be positive values in their respective fields. Any reversals of the transactions that use the same tran data codes contain negative values in those applicable fields.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER (25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	2	Yes
RTL_TYPE_CDE	The price type ('R'egular, 'P'romotion, 'C'learance).	CHARACTER (2)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
F_MKDN_AMT	The value of the markdown, in primary currency.	NUMBER (18,4)	5	No
F_MKDN_AMT_LCL	The value of the markdown, in local currency.	NUMBER (18,4)	6	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_MKDN_QTY	The quantity of the markdown	NUMBER (12,4)	7	No
F_MKUP_AMT	The value of the markup, in primary currency.	NUMBER (18,4)	8	No
F_MKUP_AMT_LCL	The value of the markup, in local currency.	NUMBER (18,4)	9	No
F_MKUP_QTY	The quantity of the markup.	NUMBER (12,4)	10	No
F_MKDN_CNCL_AMT	The value of the markdown cancel, in primary currency.	NUMBER (18,4)	11	No
F_MKDN_CNCL_AMT_LCL	The value of the markdown cancel, in local currency.	NUMBER (18,4)	12	No
F_MKDN_CNCL_QTY	The quantity of the markdown cancel.	NUMBER (12,4)	13	No
F_MKUP_CNCL_AMT	The value of the markup cancel, in primary currency.	NUMBER (18,4)	14	No
F_MKUP_CNCL_AMT_LCL	The value of the markup cancel, in local currency.	NUMBER (18,4)	15	No
F_MKUP_CNCL_QTY	The quantity of the markup cancel.	NUMBER (12,4)	16	No

**slsprmilmdm.txt**

## Business rules

- This interface file cannot contain duplicate records for a tran\_idnt, day\_dt, min\_idnt, prmtn\_dtl\_idnt, head\_idnt, prmtn\_src\_cde and item\_idnt combination.
- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.
- tran\_idnt is unique across all locations.

Name	Description	Data Type/Bytes	Field Order	Required Field
TRAN_IDNT	The unique identifier of a sales transaction.	CHARACTER (30)	1	Yes
ITEM_IDNT	The unique identifier of an item.	CHARACTER (25)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
MIN_IDNT	The unique identifier of the minute. This is the minute the sales transaction was created.	NUMBER (4)	4	Yes
PRMTN_DTL_IDNT	The identifier of the promotion detail.	CHARACTER (10)	5	Yes
HEAD_IDNT	The unique identifier of the promotion.	CHARACTER (10)	6	Yes
PRMTN_SRC_CDE	The unique identifier of the promotion source. The valid value can be 'DTC', 'RMS' or others.	CHARACTER (6)	7	Yes
SELLING_ITEM_IDNT	The unique identifier of a selling item.	CHARACTER (25)	8	Yes
LINE_MEDIA_IDNT	The unique identifier of the customer order line level media.	CHARACTER (10)	9	Yes

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
BANNER_IDNT	The unique identifier of a banner.	CHARACTER (4)	10	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	11	Yes
CUST_REF	The customer identifier associated with the transaction.	CHARACTER (20)	12	Yes
CUST_REF_TYPE	The type of the identifier number used by a customer.	CHARACTER (6)	13	Yes
CO_LINE_IDNT	The unique identifier of a customer order line.	CHARACTER (30)	14	Yes
CO_HDR_IDNT	The unique identifier of a customer order header.	CHARACTER (30)	15	Yes
F_PRMTN_MKDN_AMT	The promotional markdown amount in primary currency.	NUMBER (18,4)	16	No
F_PRMTN_MKDN_AMT_LCL	The promotional markdown amount in local currency.	NUMBER (18,4)	17	No

**spaldlddm.txt**

## Business rules

- This interface file contains information about the amount of space allocated for each department at a particular location on a particular day. The space is measured in one, two, or three-dimensional space (linear, square, or cubic).
- This interface file cannot contain duplicate transactions for a dept\_idnt, loc\_idnt and day\_dt
- This interface file contains only the current day's new or changed information.
- This interface file follows the fact flat file interface layout standard.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER (4)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_SA_LINEAR_AMT	The amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	4	No
F_SA_SQUARE_AMT	The amount of two-dimensional space allotted to the item (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure).	NUMBER (18,4)	5	No
F_SA_CUBIC_AMT	The amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	6	No
F_SA_LINEAR_MAX_AMT	The max amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	7	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SA_SQUARE_MAX_AMT	The max amount of two-dimensional space allotted to the item (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure)	NUMBER (18,4)	8	No
F_SA_CUBIC_MAX_AMT	The max amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure	NUMBER (18,4)	9	No
F_SA_LINEAR_MIN_AMT	The minimum amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	10	No
F_SA_SQUARE_MIN_AMT	The minimum amount of two-dimensional space allotted to the time (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure..	NUMBER (18,4)	11	No
F_SA_CUBIC_MIN_AMT	The minimum amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	12	No
F_SA_FACINGS	The number of facings for a display.	NUMBER (18,4)	13	No
F_SA_ON_DISP_IND	Indicates whether an item is on display or not.	CHARACTER (1)	14	No
F_SA_ON_FEAT_IND	Indicates whether an item is on feature or not.	CHARACTER (1)	15	No

**spaliddm.txt**

Business rules

- This interface file contains information about the amount of space allocated for each item at a particular location on a particular day. The space is measured in one, two or three-dimensional space (linear, square, or cubic).
- This interface file cannot contain duplicate transactions for a item\_idnt, loc\_idnt, day\_dt combination.
- This interface file contains only the current day's new or changed information.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER (25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	2	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	3	Yes
F_SA_LINEAR_AMT	The amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	4	No
F_SA_SQUARE_AMT	The amount of two-dimensional space allotted to the item (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure).	NUMBER (18,4)	5	No
F_SA_CUBIC_AMT	The amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	6	No
F_SA_LINEAR_MAX_AMT	The max amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	7	No
F_SA_SQUARE_MAX_AMT	The max amount of two-dimensional space allotted to the item (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure)	NUMBER (18,4)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_SA_CUBIC_MAX_AMT	The max amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure	NUMBER (18,4)	9	No
F_SA_LINEAR_MIN_AMT	The minimum amount of linear space allotted to the item at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	10	No
F_SA_SQUARE_MIN_AMT	The minimum amount of two-dimensional space allotted to the time (such as square feet or square centimeters) at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	11	No
F_SA_CUBIC_MIN_AMT	The minimum amount of three-dimension space allotted to the item (such as cubic feet or cubic centimeters) at the location, expressed in the customer's preferred unit of measure.	NUMBER (18,4)	12	No
F_SA_FACINGS	The number of facings for a display.	NUMBER (18,4)	13	No
F_SA_ON_DISP_IND	Indicates whether an item is on display or not.	CHARACTER (1)	14	No
F_SA_ON_FEAT_IND	Indicates whether an item is on feature or not.	CHARACTER (1)	15	No

### stlblmthdm.txt

Business rules:

- This interface file contains stock ledger values for a department, class, subclass, and location on a given month.
- This interface file cannot contain duplicate transactions for a dept\_idnt, class\_idnt, subclass\_idnt, loc\_idnt, and day\_dt combination.
- This interface file can only be populated for one time, either Gregorian time or 454 time.
- This interface file is populated with DAY\_DT = -1 and G\_DAY\_DT = end of month date Gregorian when the stock ledger uses Gregorian time; or G\_DAY\_DT = -1 and DAY\_DT = end of month date when the stock ledger uses 454 time.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER (4)	1	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER (4)	2	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER (4)	3	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	4	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER (2)	5	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	6	Yes
F_IVL_BEG_SOH_COST_A MT	The beginning of period stock on hand total cost, in primary currency	NUMBER (18,4)	7	N
F_IVL_BEG_SOH_COST_A MT_LCL	The beginning of period stock on hand total cost, in local currency	NUMBER (18,4)	8	N
F_IVL_BEG_SOH_RTL_AM T	The beginning of period stock on hand total retail, in primary currency	NUMBER (18,4)	9	N
F_IVL_BEG_SOH_RTL_AM T_LCL	The beginning of period stock on hand total retail, in local currency	NUMBER (18,4)	10	N
F_IVL_SOH_ADJ_COST_A MT	The value at cost of stock on hand adjustments, in primary currency.	NUMBER (18,4)	11	N
F_IVL_SOH_ADJ_COST_A MT_LCL	The value at cost of stock on hand adjustments, in local currency.	NUMBER (18,4)	12	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_SOH_ADJ_RTL_AMT	The value at retail of stock on hand adjustments, in primary currency	NUMBER (18,4)	13	N
F_IVL_SOH_ADJ_RTL_AMT_LCL	The value at retail of stock on hand adjustments, in local currency	NUMBER (18,4)	14	N
F_IVL_RCPTS_COST_AMT	The value at cost of inventory received, in primary currency	NUMBER (18,4)	15	N
F_IVL_RCPTS_COST_AMT_LCL	The value at cost of inventory received, in local currency	NUMBER (18,4)	16	N
F_IVL_RCPTS_RTL_AMT	The value at retail of inventory received, in primary currency	NUMBER (18,4)	17	N
F_IVL_RCPTS_RTL_AMT_LCL	The value at retail of inventory received, in local currency	NUMBER (18,4)	18	N
F_IVL_RTV_COST_AMT	The value at cost of inventory returned to a vendor, in primary currency	NUMBER (18,4)	19	N
F_IVL_RTV_COST_AMT_LCL	The value at cost of inventory returned to a vendor, in local currency.	NUMBER (18,4)	20	N
F_IVL_RTV_RTL_AMT	The value at retail of inventory returned to a vendor, in primary currency.	NUMBER (18,4)	21	N
F_IVL_RTV_RTL_AMT_LCL	The value at retail of inventory returned to a vendor, in local currency.	NUMBER (18,4)	22	N
F_IVL_TSF_IN_COST_AMT	The value at cost of inventory transferred in, in primary currency	NUMBER (18,4)	23	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_TSF_IN_COST_AMT_LCL	The value at cost of inventory transferred in, in local currency	NUMBER (18,4)	24	N
F_IVL_TSF_IN_RTL_AMT	The value at retail of inventory transferred in, in primary currency	NUMBER (18,4)	25	N
F_IVL_TSF_IN_RTL_AMT_LCL	The value at retail of inventory transferred in, in local currency.	NUMBER (18,4)	26	N
F_IVL_TSF_OUT_COST_AMT	The value at cost of inventory transferred out, in primary currency	NUMBER (18,4)	27	N
F_IVL_TSF_OUT_COST_AMT_LCL	The value at cost of inventory transferred out, in local currency	NUMBER (18,4)	28	N
F_IVL_TSF_OUT_RTL_AMT	The value at retail of inventory transferred out, in primary currency	NUMBER (18,4)	29	N
F_IVL_TSF_OUT_RTL_AMT_LCL	The value at retail of inventory transferred out, in local currency	NUMBER (18,4)	30	N
F_IVL_SHRK_COST_AMT	The value at cost of the difference between actual and ending inventory, in primary currency.	NUMBER (18,4)	31	N
F_IVL_SHRK_COST_AMT_LCL	The value at cost of the difference between actual and ending inventory, in local currency.	NUMBER (18,4)	32	N
F_IVL_SHRK_RTL_AMT	The value at retail of the difference between actual and ending inventory, in primary currency.	NUMBER (18,4)	33	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_SHRK_RTL_AMT_LCL	The value at retail of the difference between actual and ending inventory, in local currency.	NUMBER (18,4)	34	N
F_IVL_RTRNS_COST_AMT	The value at cost of inventory returned from sales, in primary currency	NUMBER (18,4)	35	N
F_IVL_RTRNS_COST_AMT_LCL	The value at cost of inventory returned from sales, in local currency	NUMBER (18,4)	36	N
F_IVL_RTRNS_RTL_AMT	The value at retail of inventory returned from sales, in primary currency	NUMBER (18,4)	37	N
F_IVL_RTRNS_RTL_AMT_LCL	The value at retail of inventory returned from sales, in local currency	NUMBER (18,4)	38	N
F_IVL_RECLASS_IN_COST_AMT	The value at cost of inventory reclassified to this location, in primary currency	NUMBER (18,4)	39	N
F_IVL_RECLASS_IN_COST_AMT_LCL	The value at cost of inventory reclassified to this location, in local currency	NUMBER (18,4)	40	N
F_IVL_RECLASS_IN_RTL_AMT	The value at retail of inventory reclassified to this location, in primary currency	NUMBER (18,4)	41	N
F_IVL_RECLASS_IN_RTL_AMT_LCL	The value at retail of inventory reclassified to this location, in local currency	NUMBER (18,4)	42	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_RECLASS_OUT_CO ST_AMT	The value at cost of inventory reclassified from this location, in primary currency	NUMBER (18,4)	43	N
F_IVL_RECLASS_OUT_CO ST_AMT_LCL	The value at cost of inventory reclassified from this location, in local currency	NUMBER (18,4)	44	N
F_IVL_RECLASS_OUT_RT L_AMT	The value at retail of inventory reclassified from this location, in primary currency	NUMBER (18,4)	45	N
F_IVL_RECLASS_OUT_RT L_AMT_LCL	The value at retail of inventory reclassified from this location, in local currency	NUMBER (18,4)	46	N
F_IVL_SLS_COST_AMT	The value at cost of inventory sold, in primary currency	NUMBER (18,4)	47	N
F_IVL_SLS_COST_AMT_L CL	The value at cost of inventory sold, in local currency.	NUMBER (18,4)	48	N
F_IVL_SLS_RTL_AMT	The value at retail of inventory sold, in primary currency	NUMBER (18,4)	49	N
F_IVL_SLS_RTL_AMT_LC L	The value at retail of inventory sold, in local currency.	NUMBER (18,4)	50	N
F_IVL_END_SOH_COST_A MT	The end of period stock on hand total cost, in primary currency.	NUMBER (18,4)	51	N
F_IVL_END_SOH_COST_A MT_LCL	The end of period stock on hand total cost, in local currency	NUMBER (18,4)	52	N
F_IVL_END_SOH_RTL_A MT	The end of period stock on hand total retail, in primary currency.	NUMBER (18,4)	53	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_END_SOH_RTL_A MT_LCL	The end of period stock on hand total retail, in local currency	NUMBER (18,4)	54	N
F_IVL_GRS_PRFT_AMT	The total gross profit amount, in primary currency	NUMBER (18,4)	55	N
F_IVL_GRS_PRFT_AMT_L CL	The total gross profit amount, in local currency.	NUMBER (18,4)	56	N
F_IVL_CUM_MKON_PCT	The cumulative markon percent.	NUMBER (12,4)	57	N
F_IVL_MKUP_AMT	The value of upward revisions in price, in primary currency.	NUMBER (18,4)	58	N
F_IVL_MKUP_AMT_LCL	The value of upward revisions in price, in local currency.	NUMBER (18,4)	59	N
F_IVL_MKUP_CNCLLD_A MT	The value of corrections to a upward revisions in price, in primary currency.	NUMBER (18,4)	60	N
F_IVL_MKUP_CNCLLD_A MT_LCL	The value of corrections to a upward revisions in price, in local currency.	NUMBER (18,4)	61	N
F_IVL_MKDN_CNCLLD_ AMT	The value of markdown cancellation to correct an unintentional error in a previous markup, in local currency.	NUMBER (18,4)	62	N
F_IVL_MKDN_CNCLLD_ AMT_LCL	The value of markdown cancellation to correct an unintentional error in a previous markup, in primary currency.	NUMBER (18,4)	63	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_PERM_MKDN_AMT	The value of permanent reduction in price, in primary currency.	NUMBER (18,4)	64	N
F_IVL_PERM_MKDN_AMT_LCL	The value of permanent reduction in price, in local currency.	NUMBER (18,4)	65	N
F_IVL_PRMTN_MKDN_AMT	The value of promotion reductions of the price, in primary currency.	NUMBER (18,4)	66	N
F_IVL_PRMTN_MKDN_AMT_LCL	The value of promotion reductions of the price, in local currency.	NUMBER (18,4)	67	N
F_IVL_CLRC_MKDN_AMT	The value of clearance reductions of the price, in primary currency.	NUMBER (18,4)	68	N
F_IVL_CLRC_MKDN_AMT_LCL	The value of clearance reductions of the price, in local currency.	NUMBER (18,4)	69	N
F_IVL_EMPTY_DISC_AMT	The value of employee discounts, in primary currency.	NUMBER (18,4)	70	N
F_IVL_EMPTY_DISC_AMT_LCL	The value of employee discounts, in local currency.	NUMBER (18,4)	71	N
F_IVL_CASH_DISC_AMT	The value of cash discounts, in primary currency.	NUMBER (18,4)	72	N
F_IVL_CASH_DISC_AMT_LCL	The value of cash discounts, in local currency.	NUMBER (18,4)	73	N
F_IVL_FRGHT_COST_AMT	The value of freight expenses, in primary currency.	NUMBER (18,4)	74	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_FRGHT_COST_AMT_LCL	The value of freight expenses, in local currency.	NUMBER (18,4)	75	N
F_IVL_WRKRM_COST_AMT	The value of workroom expenses, in primary currency.	NUMBER (18,4)	76	N
F_IVL_WRKRM_COST_AMT_LCL	The value of workroom expenses, in local currency.	NUMBER (18,4)	77	N
F_IVL_GAFS_COST_AMT	The goods available for sale valued at cost, in primary currency.	NUMBER (18,4)	78	N
F_IVL_GAFS_COST_AMT_LCL	The goods available for sale valued at cost, in local currency.	NUMBER (18,4)	79	N
F_IVL_GAFS_RTL_AMT	The goods available for sale valued at retail, in primary currency.	NUMBER (18,4)	80	N
F_IVL_GAFS_RTL_AMT_LCL	The goods available for sale valued at retail, in local currency.	NUMBER (18,4)	81	N
F_IVL_SLS_QTY	The number of net units of merchandise sold.	NUMBER (12,4)	82	N
F_IVL_SLS_RTL_EX_VAT_AMT	The value at retail, excluding VAT, of net merchandise sold, in primary currency.	NUMBER (18,4)	83	N
F_IVL_SLS_RTL_EX_VAT_AMT_LCL	The value at retail, excluding VAT, of net merchandise sold, in local currency.	NUMBER (18,4)	84	N
F_IVL_FRGHT_CLAIM_RT_L_AMT	The value at retail of freight claim, in primary currency.	NUMBER (18,4)	85	N
F_IVL_FRGHT_CLAIM_RT_L_AMT_LCL	The value at retail of freight claim, in local currency.	NUMBER (18,4)	86	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_FRGHT_CLAIM_C OST_AMT	The value at cost of freight claim, in primary currency.	NUMBER (18,4)	87	N
F_IVL_FRGHT_CLAIM_C OST_AMT_LCL	The value at cost of freight claim, in local currency.	NUMBER (18,4)	88	N
F_IVL_IC_TSF_IN_COST_ AMT	The value at cost of inventory transferred in for intercompany transfers, in primary currency.	NUMBER (18,4)	89	N
F_IVL_IC_TSF_IN_COST_ AMT_LCL	The value at cost of inventory transferred in for intercompany transfers, in local currency.	NUMBER (18,4)	90	N
F_IVL_IC_TSF_IN_RTL_A MT	The value at retail of inventory transferred in for intercompany transfers, in primary currency.	NUMBER (18,4)	91	N
F_IVL_IC_TSF_IN_RTL_A MT_LCL	The value at retail of inventory transferred in for intercompany transfers, in local currency.	NUMBER (18,4)	92	N
F_IVL_IC_TSF_OUT_COST_ _AMT	The value at cost of inventory transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	93	N
F_IVL_IC_TSF_OUT_COST_ _AMT_LCL	The value at cost of inventory transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	94	N
F_IVL_IC_TSF_OUT_RTL_ AMT	The value at retail of inventory transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	95	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_IC_TSF_OUT_RTL_AMT_LCL	The value at retail of inventory transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	96	N
F_IVL_IC_MARGIN_AMT	The margin value of intercompany transfers, in primary currency.	NUMBER (18,4)	97	N
F_IVL_IC_MARGIN_AMT_LCL	The margin value of intercompany transfers, in local currency.	NUMBER (18,4)	98	N
F_IVL_IC_MKDN_RTL_AMT	The markdown at retail of merchandise transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	99	N
F_IVL_IC_MKDN_RTL_AMT_LCL	The markdown at retail of merchandise transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	100	N
F_IVL_IC_MKUP_RTL_AMT	The markup at retail of merchandise transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	101	N
F_IVL_IC_MKUP_RTL_AMT_LCL	The markup at retail of merchandise transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	102	N
F_IVL_WO_UPD_INV_COST_AMT	The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in primary currency.	NUMBER (18,4)	103	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_WO_UPD_INV_CO ST_AMT_LCL	The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in local currency.	NUMBER (18,4)	104	N
F_IVL_WO_POST_FIN_CO ST_AMT	The value at cost of merchandise required work order activity, post to financial, for intercompany transfers, in primary currency.	NUMBER (18,4)	105	N
F_IVL_WO_POST_FIN_CO ST_AMT_LCL	The value at cost of merchandise required work order activity, post to financial, for intercompany transfers, in local currency.	NUMBER (18,4)	106	N
F_IVL_ADJ_COGS_COST_ AMT	The value at cost of stock adjustments that affect COGS, in primary currency.	NUMBER (18,4)	107	N
F_IVL_ADJ_COGS_COST_ AMT_LCL	The value at cost of stock adjustments that affect COGS, in local currency.	NUMBER (18,4)	108	N
F_IVL_ADJ_COGS_RTL_A MT	The value at retail of stock adjustments that affect COGS, in primary currency.	NUMBER (18,4)	109	N
F_IVL_ADJ_COGS_RTL_A MT_LCL	The value at retail of stock adjustments that affect COGS, in local currency.	NUMBER (18,4)	110	N
F_IVL_RESTOCK_FEE_AM T	The value at cost of restocking fees received, in primary currency.	NUMBER (18,4)	111	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_RESTOCK_FEE_AMT_LCL	The value at cost of restocking fees received, in local currency.	NUMBER (18,4)	112	N
F_IVL_DEAL_INCM_SLS_AMT	The value of deal incomes sales received, in primary currency.	NUMBER (18,4)	113	N
F_IVL_DEAL_INCM_SLS_AMT_LCL	The value of deal incomes sales received, in local currency.	NUMBER (18,4)	114	N
F_IVL_DEAL_INCM_PURCH_AMT	The value of deal incomes purchases received, in primary currency.	NUMBER (18,4)	115	N
F_IVL_DEAL_INCM_PURCH_AMT_LCL	The value of deal incomes purchases received, in local currency.	NUMBER (18,4)	116	N
F_IVL_COST_VAR_AMT	The standard cost change as well as the cost difference between standard cost and transaction cost for transactions such as receiving, RTV and transfers using the standard cost method of accounting, in primary currency.	NUMBER (18,4)	117	N
F_IVL_COST_VAR_AMT_LCL	The standard cost change as well as the cost difference between standard cost and transaction cost for transactions such as receiving, RTV and transfers using the standard cost method of accounting, in local currency.	NUMBER (18,4)	118	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_RTL_COST_VAR_A MT	The cost variance using retail based accounting, in primary currency.	NUMBER (18,4)	119	N
F_IVL_RTL_COST_VAR_A MT_LCL	The cost variance using retail based accounting, in local currency.	NUMBER (18,4)	120	N
F_IVL_MARGIN_COST_V AR_AMT	The cost variance using cost based accounting, in primary currency.	NUMBER (18,4)	121	N
F_IVL_MARGIN_COST_V AR_AMT_LCL	The cost variance using cost based accounting, in local currency.	NUMBER (18,4)	122	N
F_IVL_UP_CHRG_PRFT_A MT	The value of profit up charge costs incurred, in primary currency.	NUMBER (18,4)	123	N
F_IVL_UP_CHRG_PRFT_A MT_LCL	The value of expense up charge costs incurred, in primary currency.	NUMBER (18,4)	124	N
F_IVL_UP_CHRG_EXP_A MT	The value of expense up charge costs incurred, in primary currency.	NUMBER (18,4)	125	N
F_IVL_UP_CHRG_EXP_A MT_LCL	The value of expense up charge costs incurred, in local currency.	NUMBER (18,4)	126	N
F_IVL_TSF_IN_BK_COST_ AMT	The value at cost of inventory transferred in through a book transfer, in primary currency.	NUMBER (18,4)	127	N
F_IVL_TSF_IN_BK_COST_ AMT_LCL	The value at cost of inventory transferred in through a book transfer, in local currency.	NUMBER (18,4)	128	N
F_IVL_TSF_IN_BK_RTL_A MT	The value at retail of inventory transferred in through a book transfer, in primary currency.	NUMBER (18,4)	129	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_TSF_IN_BK_RTL_A MT_LCL	The value at retail of inventory transferred in through a book transfer, in local currency.	NUMBER (18,4)	130	N
F_IVL_TSF_OUT_BK_COS T_AMT	The value at cost of inventory transferred out through a book transfer, in primary currency.	NUMBER (18,4)	131	N
F_IVL_TSF_OUT_BK_COS T_AMT_LCL	The value at cost of inventory transferred out through a book transfer, in local currency.	NUMBER (18,4)	132	N
F_IVL_TSF_OUT_BK_RTL_ AMT	The value at retail of inventory transferred out through a book transfer, in primary currency.	NUMBER (18,4)	133	N
F_IVL_TSF_OUT_BK_RTL_ AMT_LCL	The value at retail of inventory transferred out through a book transfer, in local currency.	NUMBER (18,4)	134	N
F_IVL_INTER_STK_SLS_A MT	The value of cumulative net sales since the last time a physical inventory was taken, in primary currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	135	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_INTER_STK_SLS_A MT_LCL	The cumulative net sales value since the last time a physical inventory was taken, in local currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	136	N
F_IVL_INTER_STK_SHRK_ AMT	The cumulative estimated (or budgeted) shrinkage value since the last time a physical inventory was taken, in primary currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	137	N
F_IVL_INTER_STK_SHRK_ AMT_LCL	The cumulative estimated (or budgeted) shrinkage value since the last time a physical inventory was taken, in local currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	138	N
F_IVL_STK_MTD_SLS_AM T	The month-to-date net sales value, in primary currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	139	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_STK_MTD_SLS_AMT_LCL	The month-to-date net sales value, in local currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	140	N
F_IVL_STK_MTD_SHRK_A MT	The month-to-date estimated (or budgeted) shrinkage value, in primary currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	141	N
F_IVL_STK_MTD_SHRK_A MT_LCL	The month-to-date estimated (or budgeted) shrinkage value, in local currency. It is valued at cost for the cost department and at retail for the retail department.	NUMBER (18,4)	142	N
F_IVL_BK_STOCK_RTL_A MT	The value at retail of book stock, in primary currency.	NUMBER (18,4)	143	N
F_IVL_BK_STOCK_RTL_A MT_LCL	The value at retail of book stock, in local currency.	NUMBER (18,4)	144	N
F_IVL_BK_STOCK_COST_AMT	The value at cost of book stock, in primary currency.	NUMBER (18,4)	145	N
F_IVL_BK_STOCK_COST_AMT_LCL	The value at cost of book stock, in local currency.	NUMBER (18,4)	146	N
F_IVL_ACTL_STOCK_COST_AMT	The value at cost of actual stock, when the physical inventory is taken, in primary currency.	NUMBER (18,4)	147	N

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_ACTL_STOCK_COST_AMT_LCL	The value at cost of actual stock, when the physical inventory is taken, in local currency.	NUMBER (18,4)	148	N
F_IVL_ACTL_STOCK_RTL_AMT	The value at retail of actual stock, when the physical inventory is taken, in primary currency.	NUMBER (18,4)	149	N
F_IVL_ACTL_STOCK_RTL_AMT_LCL	The value at retail of actual stock, when the physical inventory is taken, in local currency.	NUMBER (18,4)	150	N

### stlblwdm.txt

Business rules:

- This interface file contains stock ledger values for a department, class, subclass and location on a given week.
- This interface file cannot contain duplicate transactions for a dept\_idnt, class\_idnt, subclass\_idnt, loc\_idnt and day\_dt combination.
- This interface file follows the fact flat file interface layout standard.
- For this interface file, the day\_dt represents the end day of a week.
- This interface file does not need to be provided when the stock ledger uses Gregorian time (because this table is not populated).

Name	Description	Data Type/Bytes	Field Order	Required Field
SBCLASS_IDNT	The unique identifier of the subclass in the product hierarchy.	CHARACTER (4)	1	Yes
CLASS_IDNT	The unique identifier of the class in the product hierarchy.	CHARACTER (4)	2	Yes
DEPT_IDNT	The unique identifier of a department in the product hierarchy.	CHARACTER (4)	3	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	4	Yes
LOC_TYPE_CDE	The code that indicates whether the location is a store or warehouse.	CHARACTER (2)	5	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	6	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_BEG_SOH_COST_AMT	The beginning of period stock on hand total cost, in primary currency.	NUMBER (18,4)	7	No
F_IVL_BEG_SOH_COST_AMT_LCL	The beginning of period stock on hand total cost, in local currency.	NUMBER (18,4)	8	No
F_IVL_BEG_SOH_RTL_AMT	The beginning of period stock on hand total retail, in primary currency.	NUMBER (18,4)	9	No
F_IVL_BEG_SOH_RTL_AMT_LCL	The beginning of period stock on hand total retail, in local currency.	NUMBER (18,4)	10	No
F_IVL_SOH_ADJ_COST_AMT	The value at cost of stock on hand adjustments, in primary currency.	NUMBER (18,4)	11	No
F_IVL_SOH_ADJ_COST_AMT_LCL	The value at cost of stock on hand adjustments, in local currency.	NUMBER (18,4)	12	No
F_IVL_SOH_ADJ_RTL_AMT	The value at retail of stock on hand adjustments, in primary currency.	NUMBER (18,4)	13	No
F_IVL_SOH_ADJ_RTL_AMT_LCL	The value at retail of stock on hand adjustments, in local currency.	NUMBER (18,4)	14	No
F_IVL_RCPTS_COST_AMT	The value at cost of inventory received, in primary currency.	NUMBER (18,4)	15	No
F_IVL_RCPTS_COST_AMT_LCL	The value at cost of inventory received, in local currency.	NUMBER (18,4)	16	No
F_IVL_RCPTS_RTL_AMT	The value at retail of inventory received, in primary currency.	NUMBER (18,4)	17	No
F_IVL_RCPTS_RTL_AMT_LCL	The value at retail of inventory received, in local currency.	NUMBER (18,4)	18	No
F_IVL_RTV_COST_AMT	The value at cost of inventory returned to a vendor, in primary currency.	NUMBER (18,4)	19	No
F_IVL_RTV_COST_AMT_LCL	The value at cost of inventory returned to a vendor, in local currency.	NUMBER (18,4)	20	No
F_IVL_RTV_RTL_AMT	The value at retail of inventory returned to a vendor, in primary currency.	NUMBER (18,4)	21	No
F_IVL_RTV_RTL_AMT_LCL	The value at retail of inventory returned to a vendor, in local currency.	NUMBER (18,4)	22	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_TSF_IN_COST_AMT	The value at cost of inventory transferred in, in primary currency.	NUMBER (18,4)	23	No
F_IVL_TSF_IN_COST_AMT_LCL	The value at cost of inventory transferred in, in local currency.	NUMBER (18,4)	24	No
F_IVL_TSF_IN_RTL_AMT	The value at retail of inventory transferred in, in primary currency.	NUMBER (18,4)	25	No
F_IVL_TSF_IN_RTL_AMT_LCL	The value at retail of inventory transferred in, in local currency.	NUMBER (18,4)	26	No
F_IVL_TSF_OUT_COST_AMT	The value at cost of inventory transferred out, in primary currency.	NUMBER (18,4)	27	No
F_IVL_TSF_OUT_COST_AMT_LCL	The value at cost of inventory transferred out, in local currency.	NUMBER (18,4)	28	No
F_IVL_TSF_OUT_RTL_AMT	The value at retail of inventory transferred out, in primary currency.	NUMBER (18,4)	29	No
F_IVL_TSF_OUT_RTL_AMT_LCL	The value at retail of inventory transferred out, in local currency.	NUMBER (18,4)	30	No
F_IVL_SHRK_COST_AMT	The value at cost of the difference between actual and ending inventory, in primary currency.	NUMBER (18,4)	31	No
F_IVL_SHRK_COST_AMT_LCL	The value at cost of the difference between actual and ending inventory, in local currency.	NUMBER (18,4)	32	No
F_IVL_SHRK_RTL_AMT	The value at retail of the difference between actual and ending inventory, in primary currency.	NUMBER (18,4)	33	No
F_IVL_SHRK_RTL_AMT_LCL	The value at retail of the difference between actual and ending inventory, in local currency.	NUMBER (18,4)	34	No
F_IVL_RTRNS_COST_AMT	The value at cost of inventory returned from sales, in primary currency.	NUMBER (18,4)	35	No
F_IVL_RTRNS_COST_AMT_LCL	The value at cost of inventory returned from sales, in local currency.	NUMBER (18,4)	36	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_RTRNS_RTL_AMT	The value at retail of inventory returned from sales, in primary currency.	NUMBER (18,4)	37	No
F_IVL_RTRNS_RTL_AMT_LCL	The value at retail of inventory returned from sales, in local currency.	NUMBER (18,4)	38	No
F_IVL_RECLASS_IN_COST_AMT	The value at cost of inventory reclassified to this location, in primary currency.	NUMBER (18,4)	39	No
F_IVL_RECLASS_IN_COST_AMT_LCL	The value at cost of inventory reclassified to this location, in local currency.	NUMBER (18,4)	40	No
F_IVL_RECLASS_IN_RTL_AMT	The value at retail of inventory reclassified to this location, in primary currency.	NUMBER (18,4)	41	No
F_IVL_RECLASS_IN_RTL_AMT_LCL	The value at retail of inventory reclassified to this location, in local currency.	NUMBER (18,4)	42	No
F_IVL_RECLASS_OUT_COST_AMT	The value at cost of inventory reclassified from this location, in primary currency.	NUMBER (18,4)	43	No
F_IVL_RECLASS_OUT_COST_AMT_LCL	The value at cost of inventory reclassified from this location, in local currency.	NUMBER (18,4)	44	No
F_IVL_RECLASS_OUT_RTL_AMT	The value at retail of inventory reclassified from this location, in primary currency.	NUMBER (18,4)	45	No
F_IVL_RECLASS_OUT_RTL_AMT_LCL	The value at retail of inventory reclassified from this location, in local currency.	NUMBER (18,4)	46	No
F_IVL_SLS_COST_AMT	The value at cost of inventory sold, in primary currency.	NUMBER (18,4)	47	No
F_IVL_SLS_COST_AMT_LCL	The value at cost of inventory sold, in local currency.	NUMBER (18,4)	48	No
F_IVL_SLS_RTL_AMT	The value at retail of inventory sold, in primary currency.	NUMBER (18,4)	49	No
F_IVL_SLS_RTL_AMT_LCL	The value at retail of inventory sold, in local currency.	NUMBER (18,4)	50	No
F_IVL_END_SOH_COST_AMT	The end of period stock on hand total cost, in primary currency.	NUMBER (18,4)	51	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_END_SOH_COST_AMT_LCL	The end of period stock on hand total cost, in local currency.	NUMBER (18,4)	52	No
F_IVL_END_SOH_RTL_AMT	The end of period stock on hand total retail, in primary currency.	NUMBER (18,4)	53	No
F_IVL_END_SOH_RTL_AMT_LCL	The end of period stock on hand total retail, in local currency.	NUMBER (18,4)	54	No
F_IVL_GRS_PRFT_AMT	The total gross profit amount, in primary currency.	NUMBER (18,4)	55	No
F_IVL_GRS_PRFT_AMT_LCL	The total gross profit amount, in local currency.	NUMBER (18,4)	56	No
F_IVL_CUM_MKON_PCT	The cumulative markon percent.	NUMBER (12,4)	57	No
F_IVL_ADJ_STOCK_COST_AMT	The value at cost of adjusted stock when the physical inventory is taken, in primary currency.	NUMBER (18,4)	58	No
F_IVL_ADJ_STOCK_COST_AMT_LCL	The value at cost of adjusted stock when the physical inventory is taken, in local currency.	NUMBER (18,4)	59	No
F_IVL_ADJ_STOCK_RTL_AMT	The value at retail of adjusted stock when the physical inventory is taken, in primary currency.	NUMBER (18,4)	60	No
F_IVL_ADJ_STOCK_RTL_AMT_LCL	The value at retail of adjusted stock when the physical inventory is taken, in local currency.	NUMBER (18,4)	61	No
F_IVL_MKUP_AMT	The value of upward revisions in price, in primary currency.	NUMBER (18,4)	62	No
F_IVL_MKUP_AMT_LCL	The value of upward revisions in price, in local currency.	NUMBER (18,4)	63	No
F_IVL_MKUP_CNCLLD_AMT	The value of corrections to upward revisions in price, in primary currency.	NUMBER (18,4)	64	No
F_IVL_MKUP_CNCLLD_AMT_LCL	The value of corrections to upward revisions in price, in local currency.	NUMBER (18,4)	65	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_MKDN_CNCLLD_AMT	The value of markdown cancellation to correct an unintentional error in a previous markup, in primary currency.	NUMBER (18,4)	66	No
F_IVL_MKDN_CNCLLD_AMT_LCL	The value of markdown cancellation to correct an unintentional error in a previous markup, in local currency.	NUMBER (18,4)	67	No
F_IVL_PERM_MKDN_AMT	The value of permanent reductions of the price, in primary currency.	NUMBER (18,4)	68	No
F_IVL_PERM_MKDN_AMT_LCL	The value of permanent reductions of the price, in local currency.	NUMBER (18,4)	69	No
F_IVL_PRMTN_MKDN_AMT	The value of promotion reductions of the price, in primary currency.	NUMBER (18,4)	70	No
F_IVL_PRMTN_MKDN_AMT_LCL	The value of promotion reductions of the price, in local currency.	NUMBER (18,4)	71	No
F_IVL_CLRC_MKDN_AMT	The value of clearance reductions of the price, in primary currency.	NUMBER (18,4)	72	No
F_IVL_CLRC_MKDN_AMT_LCL	The value of clearance reductions of the price, in local currency.	NUMBER (18,4)	73	No
F_IVL_EMPTY_DISC_AMT	The value of employee discounts, in primary currency.	NUMBER (18,4)	74	No
F_IVL_EMPTY_DISC_AMT_LCL	The value of employee discounts, in local currency.	NUMBER (18,4)	75	No
F_IVL_CASH_DISC_AMT	The value of cash discounts, in primary currency.	NUMBER (18,4)	76	No
F_IVL_CASH_DISC_AMT_LCL	The value of cash discounts, in local currency.	NUMBER (18,4)	77	No
F_IVL_FRGHT_COST_AMT	The value of freight expenses, in primary currency.	NUMBER (18,4)	78	No
F_IVL_FRGHT_COST_AMT_LCL	The value of freight expenses, in local currency.	NUMBER (18,4)	79	No
F_IVL_WRKRM_COST_AMT	The value of workroom expenses, in primary currency.	NUMBER (18,4)	80	No
F_IVL_WRKRM_COST_AMT_LCL	The value of workroom expenses, in local currency.	NUMBER (18,4)	81	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_GAFS_COST_AMT	The goods available for sale valued at cost, in primary currency.	NUMBER (18,4)	82	No
F_IVL_GAFS_COST_AMT_LCL	The goods available for sale valued at cost, in local currency.	NUMBER (18,4)	83	No
F_IVL_GAFS_RTL_AMT	The goods available for sale valued at retail, in primary currency.	NUMBER (18,4)	84	No
F_IVL_GAFS_RTL_AMT_LCL	The goods available for sale valued at retail, in local currency.	NUMBER (18,4)	85	No
F_IVL_SLS_QTY	The number of net units of merchandise sold.	NUMBER (12,4)	86	No
F_IVL_SLS_RTL_EX_VAT_AMT	The value at retail, excluding VAT, of net merchandise sold, in primary currency.	NUMBER (18,4)	87	No
F_IVL_SLS_RTL_EX_VAT_AMT_LCL	The value at retail, excluding VAT, of net merchandise sold, in local currency.	NUMBER (18,4)	88	No
F_IVL_FRGHT_CLAIM_RTL_AMT	The value at retail of freight claim, in primary currency.	NUMBER (18,4)	89	No
F_IVL_FRGHT_CLAIM_RTL_AMT_LCL	The value at retail of freight claim, in local currency.	NUMBER (18,4)	90	No
F_IVL_FRGHT_CLAIM_COST_AMT	The value at cost of freight claim, in primary currency.	NUMBER (18,4)	91	No
F_IVL_FRGHT_CLAIM_COST_AMT_LCL	The value at cost of freight claim, in local currency.	NUMBER (18,4)	92	No
F_IVL_IC_TSF_IN_COST_AMT	The value at cost of inventory transferred in for intercompany transfers, in primary currency.	NUMBER (18,4)	93	No
F_IVL_IC_TSF_IN_COST_AMT_LCL	The value at cost of inventory transferred in for intercompany transfers, in local currency.	NUMBER (18,4)	94	No
F_IVL_IC_TSF_IN_RTL_AMT	The value at retail of inventory transferred in for intercompany transfers, in primary currency.	NUMBER (18,4)	95	No
F_IVL_IC_TSF_IN_RTL_AMT_LCL	The value at retail of inventory transferred in for intercompany transfers, in local currency.	NUMBER (18,4)	96	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_IC_TSF_OUT_COST_A MT	The value at cost of inventory transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	97	No
F_IVL_IC_TSF_OUT_COST_A MT_LCL	The value at cost of inventory transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	98	No
F_IVL_IC_TSF_OUT_RTL_AM T	The value at retail of inventory transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	99	No
F_IVL_IC_TSF_OUT_RTL_AM T_LCL	The value at retail of inventory transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	100	No
F_IVL_IC_MARGIN_AMT	The margin value of intercompany transfers, in primary currency.	NUMBER (18,4)	101	No
F_IVL_IC_MARGIN_AMT_LC L	The margin value of intercompany transfers, in local currency.	NUMBER (18,4)	102	No
F_IVL_IC_MKDN_RTL_AMT	The markdown at retail of merchandise transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	103	No
F_IVL_IC_MKDN_RTL_AMT_ LCL	The markdown at retail of merchandise transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	104	No
F_IVL_IC_MKUP_RTL_AMT	The markup at retail of merchandise transferred out for intercompany transfers, in primary currency.	NUMBER (18,4)	105	No
F_IVL_IC_MKUP_RTL_AMT_ LCL	The markup at retail of merchandise transferred out for intercompany transfers, in local currency.	NUMBER (18,4)	106	No
F_IVL_WO_UPD_INV_COST_ AMT	The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in primary currency.	NUMBER (18,4)	107	No
F_IVL_WO_UPD_INV_COST_ AMT_LCL	The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in local currency.	NUMBER (18,4)	108	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_WO_POST_FIN_COST_AMT	The value at cost of merchandise required work order activity, post to financial, for intercompany transfers, in primary currency.	NUMBER (18,4)	109	No
F_IVL_WO_POST_FIN_COST_AMT_LCL	The value at cost of merchandise required work order activity, post to financial, for intercompany transfers, in local currency.	NUMBER (18,4)	110	No
F_IVL_ADJ_COGS_COST_AMT	The value at cost of stock adjustments that affect COGS, in primary currency.	NUMBER (18,4)	111	No
F_IVL_ADJ_COGS_COST_AMT_LCL	The value at cost of stock adjustments that affect COGS, in local currency.	NUMBER (18,4)	112	No
F_IVL_ADJ_COGS_RTL_AMT	The value at retail of stock adjustments that affect COGS, in primary currency.	NUMBER (18,4)	113	No
F_IVL_ADJ_COGS_RTL_AMT_LCL	The value at retail of stock adjustments that affect COGS, in local currency.	NUMBER (18,4)	114	No
F_IVL_RESTOCK_FEE_AMT	The value at cost of restocking fees received, in primary currency.	NUMBER (18,4)	115	No
F_IVL_RESTOCK_FEE_AMT_LCL	The value at cost of restocking fees received, in local currency.	NUMBER (18,4)	116	No
F_IVL_DEAL_INCM_SLS_AMT	The value of deal incomes sales received, in primary currency.	NUMBER (18,4)	117	No
F_IVL_DEAL_INCM_SLS_AMT_LCL	The value of deal incomes sales received, in local currency.	NUMBER (18,4)	118	No
F_IVL_DEAL_INCM_PURCH_AMT	The value of deal incomes purchases received, in primary currency.	NUMBER (18,4)	119	No
F_IVL_DEAL_INCM_PURCH_AMT_LCL	The value of deal incomes purchases received, in local currency.	NUMBER (18,4)	120	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_IVL_COST_VAR_AMT	The standard cost change as well as the cost difference between standard cost and transaction cost for transactions such as receiving, RTV and transfers using the standard cost method of accounting, in primary currency.	NUMBER (18,4)	121	No
F_IVL_COST_VAR_AMT_LCL	The standard cost change as well as the cost difference between standard cost and transaction cost for transactions such as receiving, RTV and transfers using the standard cost method of accounting, in local currency.	NUMBER (18,4)	122	No
F_IVL_RTL_COST_VAR_AMT	The cost variance using retail based accounting, in primary currency.	NUMBER (18,4)	123	No
F_IVL_RTL_COST_VAR_AMT_LCL	The cost variance using retail based accounting, in local currency.	NUMBER (18,4)	124	No
F_IVL_MARGIN_COST_VAR_AMT	The cost variance using cost based accounting, in primary currency.	NUMBER (18,4)	125	No
F_IVL_MARGIN_COST_VAR_AMT_LCL	The cost variance using cost based accounting, in local currency.	NUMBER (18,4)	126	No
F_IVL_UP_CHRG_PRFT_AMT	The value of profit up charge costs incurred, in primary currency.	NUMBER (18,4)	127	No
F_IVL_UP_CHRG_PRFT_AMT_LCL	The value of profit up charge costs incurred, in local currency.	NUMBER (18,4)	128	No
F_IVL_UP_CHRG_EXP_AMT	The value of expense up charge costs incurred, in primary currency.	NUMBER (18,4)	129	No
F_IVL_UP_CHRG_EXP_AMT_LCL	The value of expense up charge costs incurred, in local currency.	NUMBER (18,4)	130	No
F_IVL_TSF_IN_BK_COST_AMT	The value at cost of inventory transferred in through a book transfer, in primary currency.	NUMBER (18,4)	131	No
F_IVL_TSF_IN_BK_COST_AMT_LCL	The value at cost of inventory transferred in through a book transfer, in local currency.	NUMBER (18,4)	132	No

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
F_IVL_TSF_IN_BK_RTL_AMT	The value at retail of inventory transferred in through a book transfer, in primary currency.	NUMBER (18,4)	133	No
F_IVL_TSF_IN_BK_RTL_AMT_LCL	The value at retail of inventory transferred in through a book transfer, in local currency.	NUMBER (18,4)	134	No
F_IVL_TSF_OUT_BK_COST_AMT	The value at cost of inventory transferred out through a book transfer, in primary currency.	NUMBER (18,4)	135	No
F_IVL_TSF_OUT_BK_COST_AMT_LCL	The value at cost of inventory transferred out through a book transfer, in local currency.	NUMBER (18,4)	136	No
F_IVL_TSF_OUT_BK_RTL_AMT	The value at retail of inventory transferred out through a book transfer, in primary currency.	NUMBER (18,4)	137	No
F_IVL_TSF_OUT_BK_RTL_AMT_LCL	The value at retail of inventory transferred out through a book transfer, in local currency.	NUMBER (18,4)	138	No

**stfflddm.txt**

## Business rules

- This interface file contains store traffic information.
- This interface file cannot contain duplicate transactions for a loc\_idnt, day\_dt combination.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
F_STORE_TRAFFIC	The number of visitors to a particular store on a certain day.	NUMBER (16,4)	3	No

**subtrantypedm.txt**

## Business rules

- This interface file contains sub-transaction type records.
- This interface file cannot contain duplicate records for a sub\_tran\_type\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUB_TRAN_TYPE_IDNT	The unique identifier of the sub-transaction type.	CHARACTER (6)	1	Yes
SUB_TRAN_TYPE_DESC	The description of the sub-transaction type.	CHARACTER (120)	2	No

**supctrdm.txt**

## Business rules

- This interface file contains supplier contract information.
- This interface file cannot contain duplicate records for a cntrct\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
CNTRCT_IDNT	The unique identifier of a contract.	CHARACTER(6)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes
STATUS_CDE	The code representing the status for this contract.	CHARACTER(1)	3	Yes
CNTRCT_BEG_DT	The starting date for the contract.	DATE	4	No
CNTRCT_END_DT	The ending date for the contract.	DATE	5	No
CNTRCT_DIST	The distributor name who collects the merchandise from the supplier and delivers to the retailer.	CHARACTER(40)	6	No
CNTRCT_SHIP_MTHD_CDE	The code representing the method of shipment associated with the contract.	CHARACTER(2)	7	No
CNTRCT_SHIP_MTHD_DESC	The description of the method of shipment associated with the contract.	CHARACTER(120)	8	No
STATUS_DESC	The description of the contract status.	CHARACTER(120)	9	No

**supsupdm.txt**

## Business rules

- This interface file contains a record for each supplier, and it holds details of supplier related attributes.
- This interface file cannot contain duplicate records for a supp\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	1	Yes
SUPP_DESC	The supplier's name.	CHARACTER(255)	2	Yes
SUPP_SECND_DESC	The secondary description of the supplier.	CHARACTER(255)	3	Yes
SUPP_QC_RQRD_IND	Indicates if this supplier's receipts should be checked for quality control.	CHARACTER(1)	4	No
SUPP_PRE_MARK_IND	Indicates whether the items supplied by this supplier will be pre-marked.	CHARACTER(1)	5	No
SUPP_PRE_TICKET_IND	Indicates if the supplier pre-marks or pre-prices his goods.	CHARACTER(1)	6	No
SUPP_STTS_CDE	The code that indicates if the supplier is currently active.	CHARACTER(2)	7	No
SUPP_STTS_DESC	The description of the status code.	CHARACTER(120)	8	No
SUPP_EDI_IND	This column indicates if the supplier has EDI capabilities.	CHARACTER(1)	9	No
SUPP_DOMESTIC_CDE	Supplier's domestic code.	CHARACTER(1)	10	No
SUPP_DOMESTIC_DESC	The description of the supplier's domestic code.	CHARACTER(120)	11	No

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_CRNCY_CDE	The code representing the currency that the supplier operates under.	CHARACTER(3)	12	No
SUPP_CRNCY_DESC	The description of the supplier's currency code.	CHARACTER(120)	13	No
SUPP_VMI_IND	Indicates whether a supplier is vendor managed inventory supplier.	CHARACTER(1)	14	No

**suptrmdm.txt**

## Business rules

- This interface file defines the associations between supplier and supplier trait.
- This interface file cannot contain duplicate records for a supp\_trait\_idnt, supp\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_TRAIT_IDNT	The unique identifier of the supplier trait.	CHARACTER(10)	1	Yes
SUPP_IDNT	The unique identifier of a supplier.	CHARACTER(10)	2	Yes

**suptrtdm.txt**

## Business rules

- This interface file contains supplier trait information.
- This interface file cannot contain duplicate records for a supp\_trait\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
SUPP_TRAIT_IDNT	The unique identifier of the supplier trait.	CHARACTER(10)	1	Yes
MAST_SUPP_FLAG	Flag which indicates if this trait is a master supplier trait. Valid values are 'Y' or 'N'.	CHARACTER(1)	2	Yes
SUPP_TRAIT_DESC	The supplier trait description.	CHARACTER(120)	3	No
MAST_SUPP_CDE	The number of the master supplier.	CHARACTER(10)	4	No

**time\_13.txt**

## Business rules:

- This text file contains one row for one month of a fiscal calendar year.
- This text file cannot contain duplicate records for the same year, quarter, and month.

Name	Description	Data Type/Bytes	Field Order	Required Field
Year	13-period fiscal calendar year.	NUMBER(4)	1	Yes
Qtr	13-period fiscal quarter; valid values are 1-4.	NUMBER(1)	2	Yes
Month (period)	13-period fiscal period; valid values are 1-13.	NUMBER(2)	3	Yes
First day of the month	The Gregorian date; that is, 20020101 for January 1st 2002.	DATE	4	Yes
Number of weeks	Contains either the number 4 or 5 depending upon whether it is a 4-week or 5-week period.	NUMBER(1)	5	Yes

**time\_454.txt**

Business rules:

- This text file contains one row for one month of a fiscal calendar year.
- This text file cannot contain duplicate records for the same year and month.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
Year	454 fiscal calendar year.	NUMBER(4)	1	Yes
Month	Month for the fiscal year in the calendar; that is, 1 for January, 12 for December, and so on.	NUMBER(2)	2	Yes
First day of the month	The Gregorian date; that is, 20020101 for January 1st 2002.	DATE	3	Yes
Number of weeks	Contains either the number 4 or 5 depending upon whether it is a 4-week or a 5-week month.	NUMBER(1)	4	Yes
Month description	Calendar month description (January, February, and so on).	CHARACTER(30 )	5	Yes

**tndrtypdm.txt**

Business rules

- This interface file contains tender types and their parent tender type groups.
- This interface file cannot contain duplicate records for a tndr\_type\_id\_idnt, tndr\_type\_grp\_idnt combination.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

<b>Name</b>	<b>Description</b>	<b>Data Type/Bytes</b>	<b>Field Order</b>	<b>Required Field</b>
TNDR_TYPE_GRP_IDNT	The unique identifier for the tender type group. . An example of a tender type group is cash, check, or credit card.	CHARACTER(6)	1	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
TNDR_TYPE_ID_IDNT	The unique identifier for the tender type ID within a tender type group. An example of a tender type ID is Discover Card, Master Card, or Visa	CHARACTER(6)	2	Yes
TNDR_TYPE_GRP_DESC	The description of the tender type group. An example of the description may be "Credit Cards", "Cash", or "Check".	CHARACTER(120)	3	No
TNDR_TYPE_ID_DESC	The description of the tender type ID. An example of the ID description may be "Master Card", "Visa Gold", or American Express Corporate".	CHARACTER(120)	4	No
CASH_EQUIV_FLAG	The indicator of the cash equivalence.	CHARACTER(1)	5	No

**ttldm dm.txt**

## Business rules

- This interface file contains tender type transaction information.
- This interface file cannot contain duplicate records for tndr\_type\_group\_idnt, tndr\_type\_id\_idnt, tran\_idnt, loc\_idnt, day\_dt, min\_idnt, rgstr\_idnt, and cshr\_idnt combination.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
TNDR_TYPE_ID_IDNT	The unique identifier for the tender type ID. An example of a tender type ID is Discover Card, Master Card, or Visa.	CHARACTER(6)	1	Yes
TRAN_IDNT	The unique identifier of the transaction.	CHARACTER(30)	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes
MIN_IDNT	The unique identifier of the minute.	NUMBER(4)	5	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER(10)	6	Yes
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER(10)	7	Yes
F_CC_SCAN_FLAG	Indicates whether the credit card was scanned or manually entered. Valid values are 'Y' for scanned, or 'N' or Null for manually entered.	CHARACTER(1)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_TNDR_COUPON_COUNT	The total count of tender coupons used per transaction. Tender coupons are issues by the manufacturer as opposed to the store.	NUMBER(16,4)	9	No
F_TNDR_COUPON_AMT	The total amount of tender coupons used per transaction. Tender coupons are issues by the manufacturer as opposed to the store.	NUMBER(18,4)	10	No
F_TNDR_COUPON_AMT_LCL	The total amount of tender coupons used per transaction, in local currency. Tender coupons are issued by the manufacturer as opposed to the store.	NUMBER(18,4)	11	No
F_TNDR_SLS_AMT	The sales amount paid for with a particular tender type in primary currency.	NUMBER(18,4)	12	No
F_TNDR_SLS_AMT_LCL	The sales amount paid for with a particular tender type in local currency.	NUMBER(18,4)	13	No
F_TNDR_RTRNS_SLS_AMT	The return amount credited to a particular tender type in primary currency.	NUMBER(18,4)	14	No
F_TNDR_RTRNS_SLS_AMT_LCL	The return amount credited to a particular tender type in local currency.	NUMBER(18,4)	15	No

**ttltypdm.txt**

Business rules

- This interface file contains user-defined totals.
- This interface file cannot contain duplicate records for a total\_type\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
TOTAL_TYPE_IDNT	The original identifier for the total to be reconciled.	CHARACTER(10)	1	Yes
TOTAL_TYPE_DESC	The description of the total type.	CHARACTER(255)	2	Yes

### vchr\_age\_band\_dm.txt

#### Business rules

- This interface file contains one row for every voucher age band. The voucher age dimension provides a static age band dimension that is used to categorize gift certificates and other vouchers based on their age upon redemption. Each age band is a client-defined range of age, expressed in calendar days. The age of a voucher is used to determine the age band into which it falls.
- Voucher age bands cannot overlap. That is, if voucher age band 1 has a min of 12 and a max of 20, the next age band must have a min of 21 and a max greater than or equal to 21.
- This interface file cannot contain duplicate records for a vchr\_age\_band\_key.
- This data is loaded during installation.

Name	Description	Data Type/Bytes	Field Order	Required Field
VCHR_AGE_BAND_KEY	Surrogate key for the age range into which a voucher falls.	NUMBER (6)	1	Yes
VCHR_AGE_BAND_MIN	The minimum age for a band. The limits to the age band are inclusive. That is, if the age band min is 12 and the max is 20, then all vouchers of age 12 to 20, inclusive of the limits, belong to this age band.	NUMBER (6)	2	Yes
VCHR_AGE_BAND_MAX	The maximum age for a band. The limits to the age band are inclusive. For example, if the age band min is 12 and the max is 20, then all vouchers of age 12 to 20, inclusive of the limits, belong to this age band.	NUMBER (6)	3	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
VCHR_AGE_BAND_DESC	The description of the voucher age band. This description can be whatever the client prefers to use to identify an age band. That is, the description could be "Age band 4", "Seven weeks old", or "12 to 20 days".	CHARACTER (30)	4	No

### vchreschddm.txt

#### Business rules

- This interface file contains the date and count of escheated vouchers. When a voucher escheats, the retailer releases all liability of the voucher to the state government. The quantity of escheated vouchers and the dates on which they are escheated are captured from this text file.
- This interface file cannot contain duplicate transactions for a day\_dt.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
DAY_DT	The calendar day on which the transaction occurred.	DATE	1	Yes
F_ESCH_COUNT	The total count of the escheated vouchers on a particular day.	NUMBER (16,4)	2	No
F_ESCH_AMT	The monetary amount of the escheated vouchers. If the voucher was never issued, the escheat amount is 0. If it was issued, the escheat amount is the issue amount.	NUMBER (18,4)	3	No

**vchreschddm.txt**

## Business rules:

- This interface file contains the date and count of escheated vouchers. When a voucher escheats, the retailer releases all liability of the voucher to the state government. The quantity of escheated vouchers and the dates on which they are escheated are captured from this text file.
- This interface file cannot contain duplicate transactions for a day\_dt.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
DAY_DT	The calendar day on which the transaction occurred.	DATE	1	Yes
F_ESCH_COUNT	The total count of the escheated vouchers on a particular day.	NUMBER (16,4)	2	No
F_ESCH_AMT	The monetary amount of the escheated vouchers. If the voucher was never issued, the escheat amount is 0. If it was issued, the escheat amount is the issue amount.	NUMBER (18,4)	3	No

**vchrmoveldsgdm.txt**

## Business rules:

- This interface file contains issued and redeemed voucher information at the individual voucher level.
- This interface file cannot contain duplicate transactions for a vchr\_line\_no, vchr\_status\_cde combination.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
VCHR_LINE_NO	The unique identifier for an entry on this table. Corresponds to the unique identifier for a voucher in the source system.	CHARACTER (20)	1	Yes
VCHR_STATUS_CDE	Indicates whether this is an issue (I) or redemption (R) record for this voucher.	CHARACTER (1)	2	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	3	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	4	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
VCHR_AGE	The age of the voucher in days.	NUMBER (6)	5	Yes
TNDR_TYPE_ID_IDNT	The unique identifier for the tender type ID. An example of a tender type ID is Discover Card, Master Card, or Visa.	CHARACTER (6)	6	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER (10)	7	Yes
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER (10)	8	Yes
F_AMT	Amount for which this voucher was issued/redeemed in primary currency.	NUMBER (18,4)	9	No
F_AMT_LCL	Amount for which this voucher was issued/redeemed in the issue/redemption location's local currency.	NUMBER (18,4)	10	No

### vchroutlwdm.txt

#### Business rules

- This interface file contains outstanding voucher information 'as of' the day\_dt. A voucher is outstanding if it has been issued but not yet redeemed or escheated (that is, fully outstanding).
- This interface file cannot contain duplicate transactions for loc\_idnt, week, vchr\_age, tnдр\_type\_id\_idnt, rgstr\_idnt, cshr\_idnt combination.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
LOC_IDNT	The unique identifier of the location.	CHARACTER (10)	1	Yes
DAY_DT	The calendar day on which the transaction occurred.	DATE	2	Yes
VCHR_AGE	The age of the voucher in days.	NUMBER(6)	3	Yes
TNDR_TYPE_ID_IDNT	The unique identifier for the tender type ID. An example of a tender type ID is Discover Card, Master Card, or Visa.	CHARACTER (6)	4	Yes
RGSTR_IDNT	The unique identifier of the register.	CHARACTER (10)	5	Yes

Name	Description	Data Type/Bytes	Field Order	Required Field
CSHR_IDNT	The unique identifier for a cashier.	CHARACTER (10)	6	Yes
F_OUT_COUNT	The number of outstanding vouchers in this age band.	NUMBER (16,4)	7	No
F_OUT_AMT	The monetary amount of the outstanding vouchers, in primary currency.	NUMBER (18,4)	8	No
F_OUT_AMT_LCL	The monetary amount of the outstanding vouchers, in local currency.	NUMBER (18,4)	9	No

**wfcustdm.txt**

## Business rules

- This interface file contains wholesale/franchise customer information
- This interface file cannot contain duplicate records for a wf\_cust\_idnt.
- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
WF_CUST_IDNT	The unique identifier of a wholesale/franchise customer	CHARACTER(10)	1	Yes
WF_CUST_GRP_IDNT	The unique identifier of a wholesale/franchise customer group.	CHARACTER(10)	2	Yes
WF_CUST_TYPE_CDE_IDNT	Type of the wholesale/franchise customer. Valid values are 'W'holesale or 'F'ranchise	CHARACTER(6)	3	Yes
WF_CUST_NAME	Name of the wholesale/franchise customer	CHARACTER(120)	4	Yes
CREDIT_IND	Indicates whether the customer has a good credit. Valid values are 'Y'/'N'	CHARACTER(1)	5	Yes

**wfcustgrpdm.txt**

## Business rules

- This interface file contains wholesale/franchise customer group information
- This interface file cannot contain duplicate records for a wf\_cust\_grp\_idnt.

- This interface file follows the dimension flat file interface layout standard.
- This interface file contains the complete snapshot of active information.

Name	Description	Data Type/Bytes	Field Order	Required Field
WF_CUST_GRP_IDNT	The unique identifier of a wholesale/franchise customer group.	CHARACTER(10)	1	Yes
WF_CUST_GRP_NAME	Name of the wholesale/franchise customer group	CHARACTER(120)	2	Yes

### wfslsiddm.txt

#### Business rules

- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the customer order was created.	DATE	3	Yes
F_WF_SLS_AMT	The value of the wholesale/franchise sale in primary currency.	NUMBER(18,4)	4	No
F_WF_SLS_AMT_LCL	The value of the wholesale/franchise sale in local currency.	NUMBER(18,4)	5	No
F_WF_SLS_QTY	The number of items involved in the wholesale/franchise sale.	NUMBER(12,4)	6	No
F_WF_ACQ_COST_AMT	The sales acquisition cost of the item/location on a given day in primary currency. It is defined as base cost minus any deal pass throughs from the primary supplier's off invoice deals. It will include ELC (estimate landing cost).	NUMBER(18,4)	7	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_WF_ACQ_COST_AMT_L CL	The sales acquisition cost of the item/location on a given day in local currency. It is defined as base cost minus any deal pass throughs from the primary supplier's off invoice deals. It will include ELC (estimate landing cost).	NUMBER(18,4)	8	No
F_WF_RTRN_AMT	The value of the wholesale/franchise return in primary currency	NUMBER(18,4)	9	No
F_WF_RTRN_AMT_LCL	The value of the wholesale/franchise return in local currency.	NUMBER(18,4)	10	No
F_WF_RTRN_QTY	The number of items involved in the wholesale/franchise return	NUMBER(12,4)	11	No
F_WF_RTRN_ACQ_COST_ AMT	The return acquisition cost of the item/location on a given day in primary currency. It is defined as base cost minus any deal pass throughs from the primary supplier's off invoice deals. It will include ELC (estimate landing cost).	NUMBER(18,4)	12	No
F_WF_RTRN_ACQ_COST_ AMT_LCL	The return acquisition cost of the item/location on a given day in local currency. It is defined as base cost minus any deal pass throughs from the primary supplier's off invoice deals. It will include ELC (estimate landing cost).	NUMBER(18,4)	13	No
F_WF_SLS_VAT_AMT	The value of the wholesale sales value added tax in primary currency	NUMBER(18,4)	14	No
F_WF_SLS_VAT_AMT_LC L	The value of the wholesale sales value added tax in local currency	NUMBER(18,4)	15	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_WF_RTRN_VAT_AMT	The value of the wholesale return value added tax in primary currency	NUMBER(18,4)	16	No
F_WF_RTRN_VAT_AMT_LCL	The value of the wholesale return value added tax in local currency	NUMBER(18,4)	17	No
F_WF_RTRN_RESTOCK_FEE_AMT	The value of the wholesale return restock fee in primary currency	NUMBER(18,4)	18	No
F_WF_RTRN_RESTOCK_FEE_AMT_LCL	The value of the wholesale return restock fee in local currency	NUMBER(18,4)	19	No

### wfslsmkdnlddm.txt

#### Business rules

- If a dimension identifier is required but is not available, a value of -1 is needed.
- This interface file follows the fact flat file interface layout standard.

Name	Description	Data Type/Bytes	Field Order	Required Field
ITEM_IDNT	The unique identifier of an item.	CHARACTER(25)	1	Yes
LOC_IDNT	The unique identifier of the location.	CHARACTER(10)	2	Yes
DAY_DT	The calendar day on which the customer order was created.	DATE	3	Yes
F_WF_MKDN_AMT	The value of the wholesale/franchise markdown, in primary currency.	NUMBER(18,4)	4	No
F_WF_MKDN_AMT_LCL	The value of the wholesale/franchise markdown, in local currency.	NUMBER(18,4)	5	No
F_WF_MKDN_QTY	The quantity of the wholesale/franchise markdown	NUMBER(12,4)	6	No
F_WF_MKUP_AMT	The value of the wholesale/franchise markup, in primary currency	NUMBER(18,4)	7	No
F_WF_MKUP_AMT_LCL	The value of the wholesale/franchise markup, in local currency	NUMBER(18,4)	8	No

Name	Description	Data Type/Bytes	Field Order	Required Field
F_WF_MKUP_QTY	The quantity of the wholesale/franchise markup	NUMBER(12,4)	9	No
F_WF_MKDN_RTRN_AMT	The value of the wholesale/franchise markdown return, in primary currency	NUMBER(18,4)	10	No
F_WF_MKDN_RTRN_AMT_LCL	The value of the wholesale/franchise markdown return, in local currency	NUMBER(18,4)	11	No
F_WF_MKDN_RTRN_QTY	The quantity of the wholesale/franchise markdown return	NUMBER(12,4)	12	No
F_WF_MKUP_RTRN_AMT	The value of the wholesale/franchise markup return, in primary currency	NUMBER(18,4)	13	No
F_WF_MKUP_RTRN_AMT_LCL	The value of the wholesale/franchise markup return, in local currency	NUMBER(18,4)	14	No
F_WF_MKUP_RTRN_QTY	The quantity of the wholesale/franchise markdown return	NUMBER(12,4)	15	No

### wkday.txt

#### Business rules

- This text file contains only one record. That record displays the day description of the first day of the week.

Name	Description	Data Type/Bytes	Field Order	Required Field
WKDAY_DESC	The description of the weekday number, calendar weekday.	CHARACTER (120)	1	Yes