

**Oracle® Retail Data Warehouse**  
Operations Guide  
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Primary Author: Kris Lange

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# 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 13.0.2 documentation set:

- *Oracle Retail Data Warehouse Release Notes*
- *Oracle Retail Data Warehouse Installation Guide*
- *Oracle Retail Data Warehouse Implementation Guide*
- *Oracle Retail Data Warehouse User Guide*
- *Oracle Retail Data Warehouse Data Model*
- Oracle Business Intelligence Enterprise Edition (BI 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

If you are installing the application for the first time, you install either a base release (for example, 13.0) or a later patch release (for example, 13.0.2). If you are installing a software version other than the base release, be sure to read the documentation for each patch release (since the base release) before you begin installation. Patch documentation can contain critical information related to the base release 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 (with the exception of the Data Model which is only available with the release packaged code):

[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.

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# 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 standalone 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).

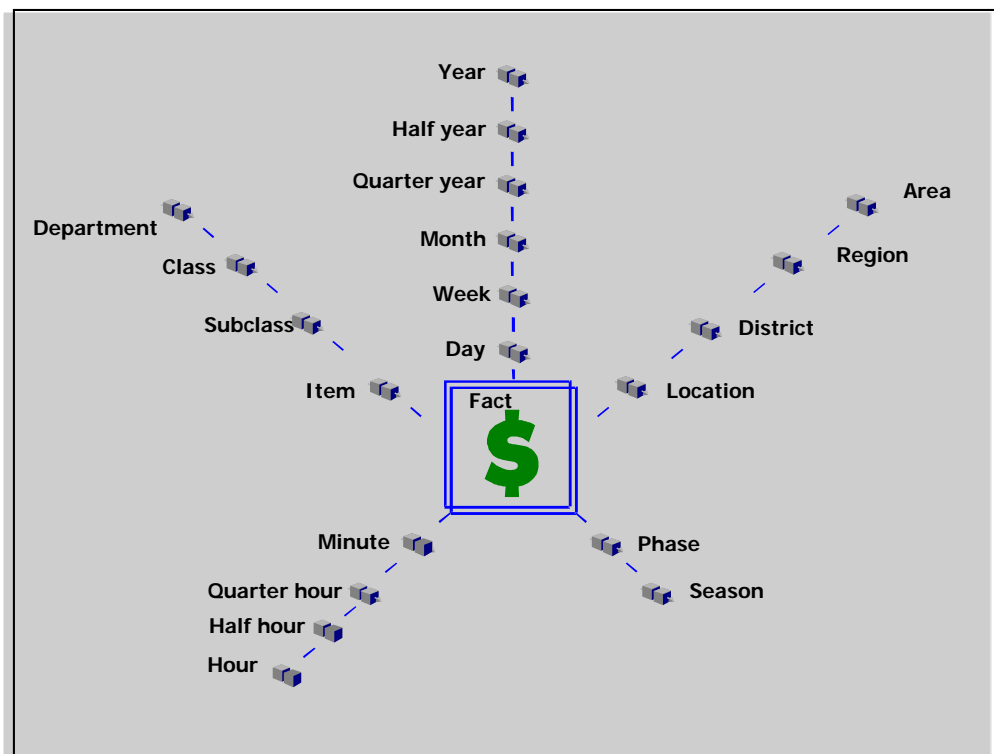
RDW uses sophisticated techniques to populate the data warehouse. Explained in greater detail throughout this guide, these techniques include taking the data provided by source systems (such as RMS) and then rapidly transforming that data and loading it into the data warehouse. Techniques used to load 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: six 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, six 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.

---

## 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.

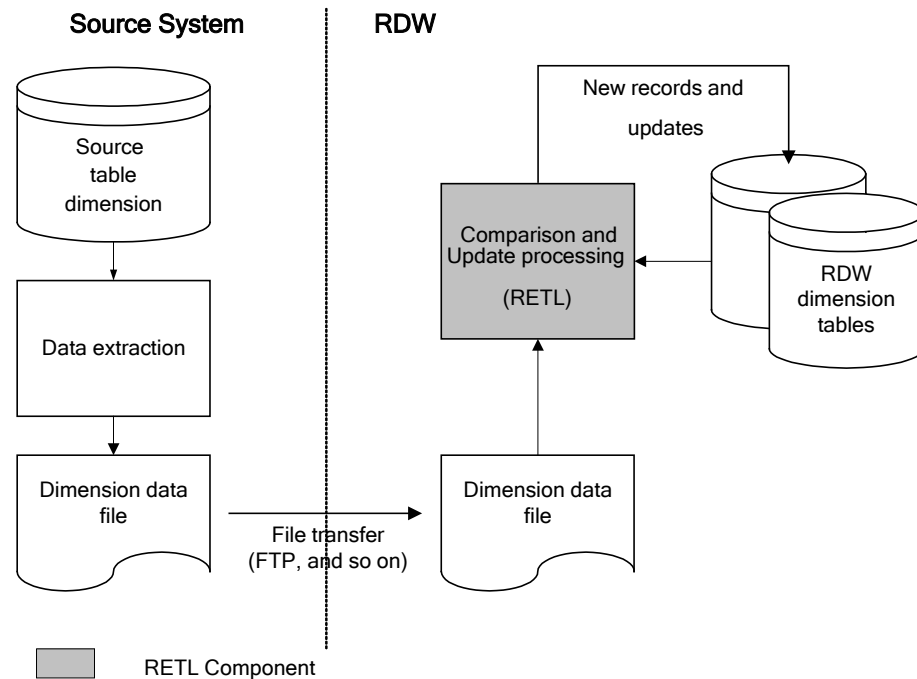
Note that there is an exception to this extraction process (see the section, “Processing for Special Top-Level Dimensions,” later in this chapter. The data file is transferred to the RDW server using a common data transfer process such as FTP.

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 data mart 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”).

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**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.

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### 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 or 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 has 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 data mart dimension table.



## Next\_key\_val

Each data mart 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 do 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 (that is, ORG\_LOC\_TRAIT\_DM).

## 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 is 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 data mart 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 parent 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

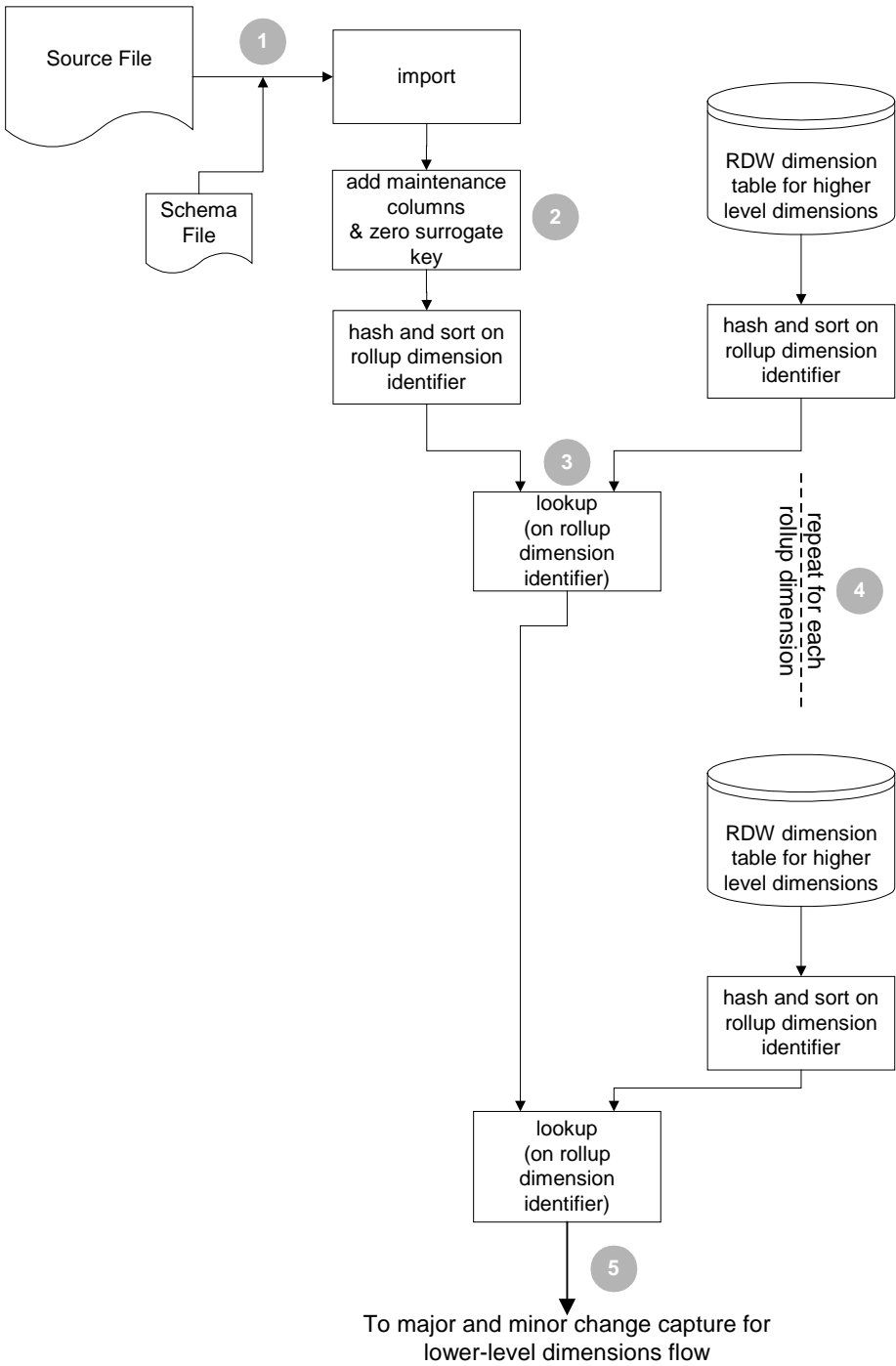
The remainder of this chapter illustrates the flow of dimension data from source tables to RDW data mart tables. The processing described begins with a dimension text file provided from the source system. That file is read by dimension and maintenance RDW libraries, which load the data to the dimensional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

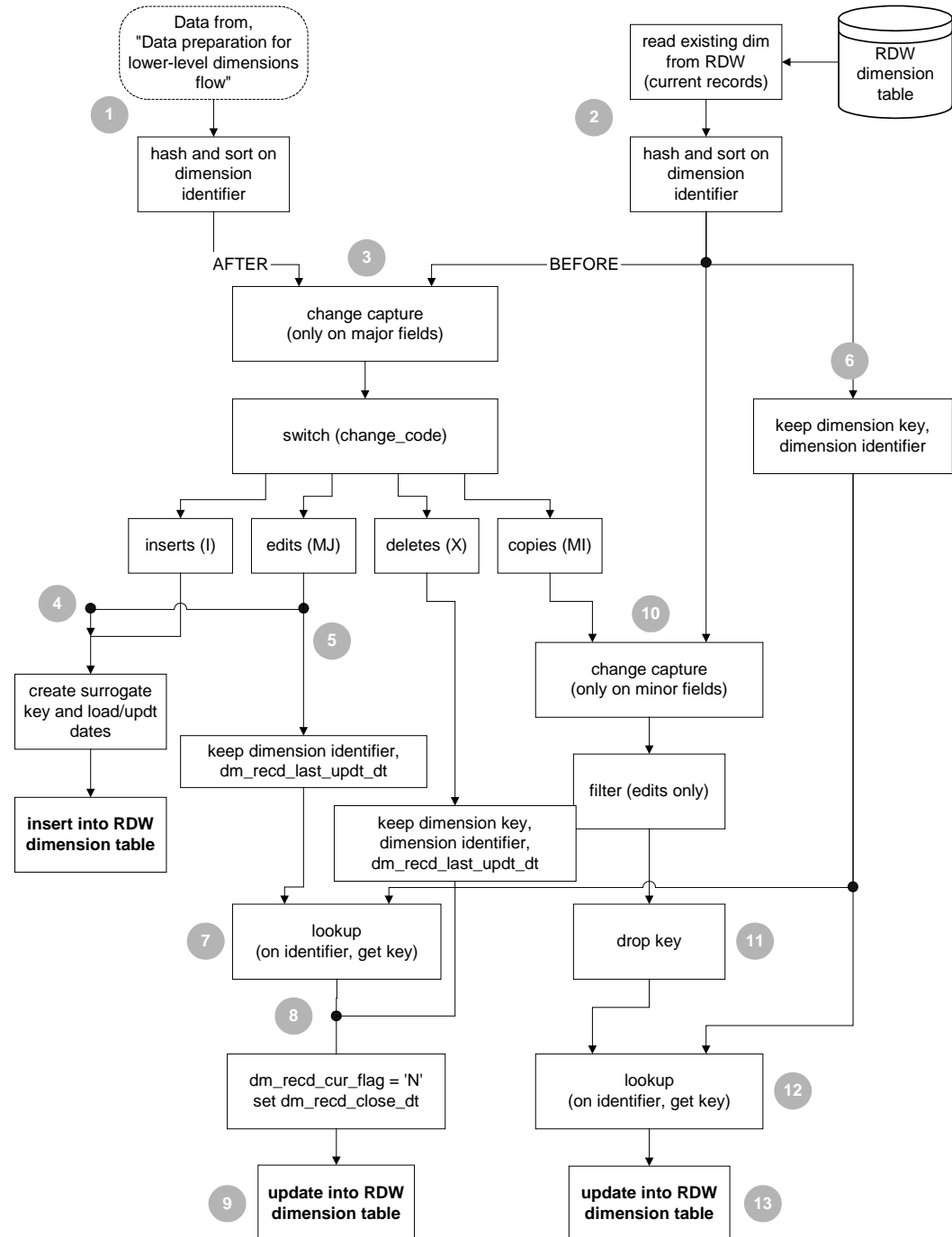
1. The current dimension data file is transferred to RDW and loaded into an RETL dataset using an IMPORT operator and predefined schema file.
2. The GENERATOR operator adds the following maintenance columns to the dataset (see the section, “Maintenance Columns in the DM Table,” earlier in this chapter):
  - 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.

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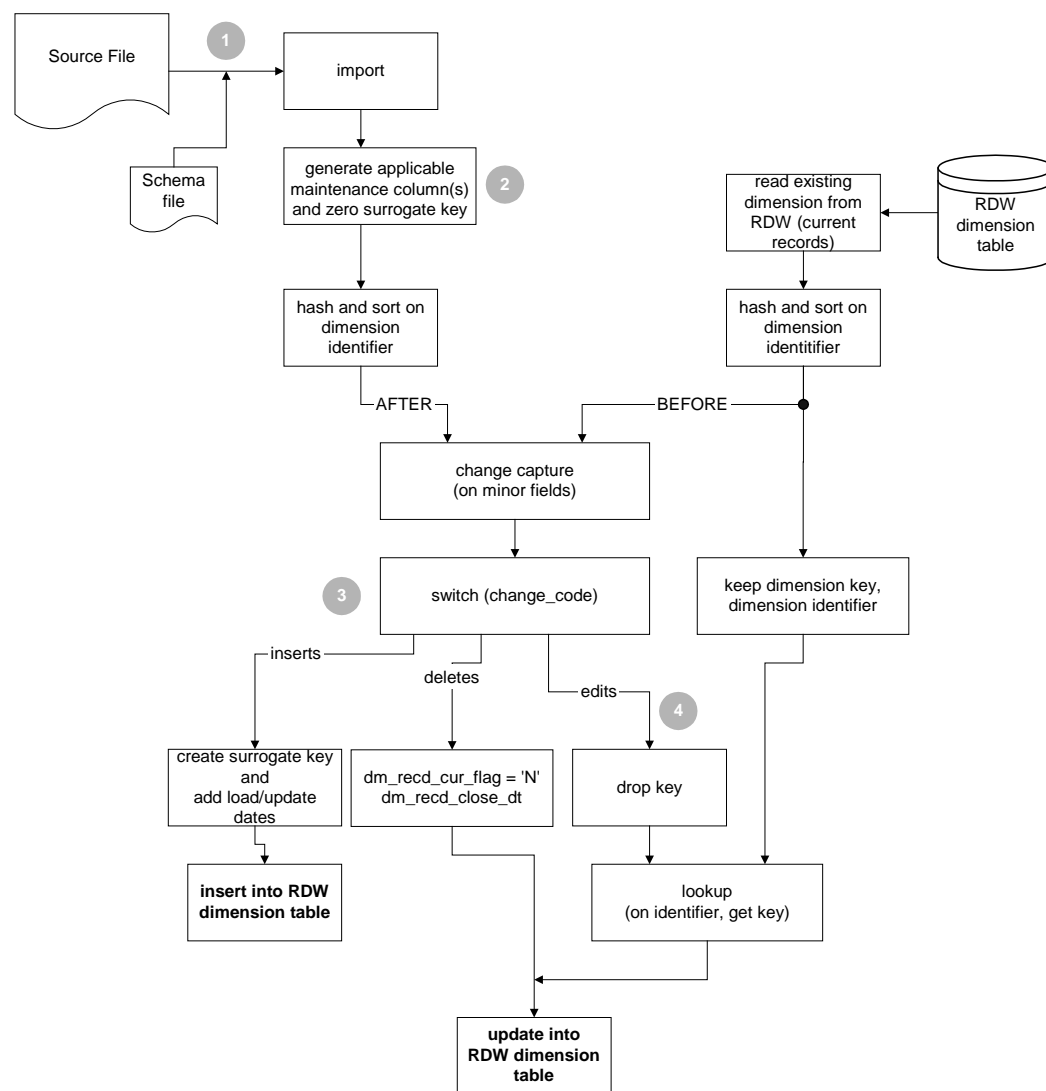
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**Note:** This process flow assumes that the data file from the source system contains the snapshot data of the whole dimension. However, in some exceptional cases (such as the Customer dimension), the source system provides only new or changed data 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.

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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 a RETL dataset using an IMPORT operator and predefined schema file.
2. The GENERATOR operator adds the following maintenance columns to the dataset (see the “Maintenance Columns in the DM Table” section 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.

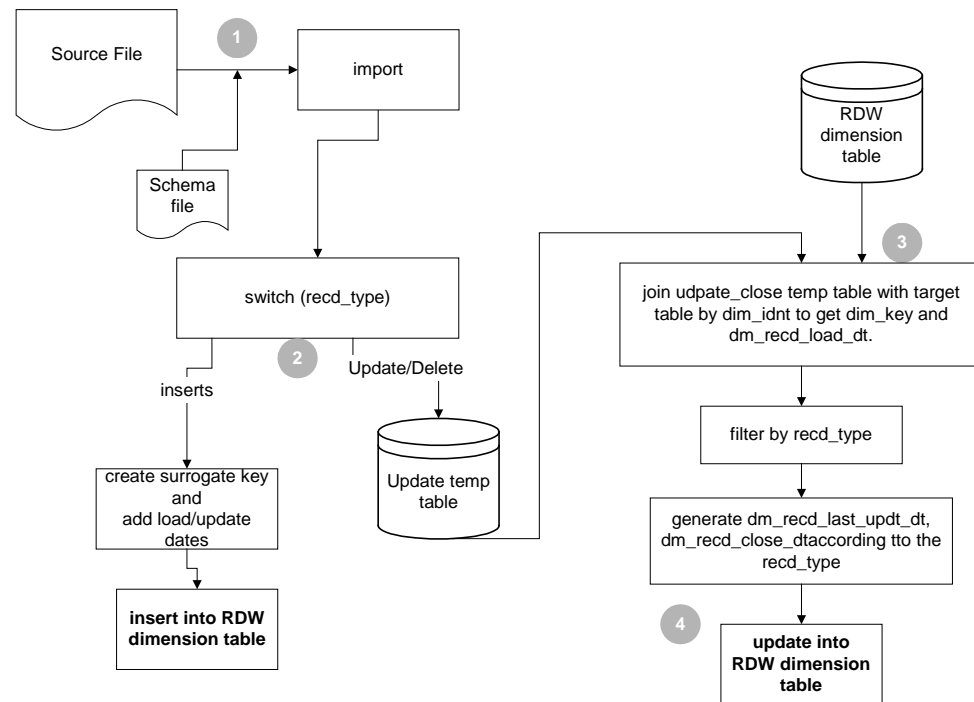
3. The CHANGECAPTURE operator in this case only compares against minor fields, because there are no major fields. Copies are discarded immediately.



4. 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

1. 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.
2. 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.
3. 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.
4. The applicable maintenance columns are attached to these different records. The result is used to update the target table.

## Data Mart Table

The data mart (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 data mart 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 Data Mart (DM) Table

|                        | dm_recd_last_updt_dt    | dm_recd_load_dt           | dm_recd_close_dt        | dm_recd_curr_flag |
|------------------------|-------------------------|---------------------------|-------------------------|-------------------|
| 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                 |

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## 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 are 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.)

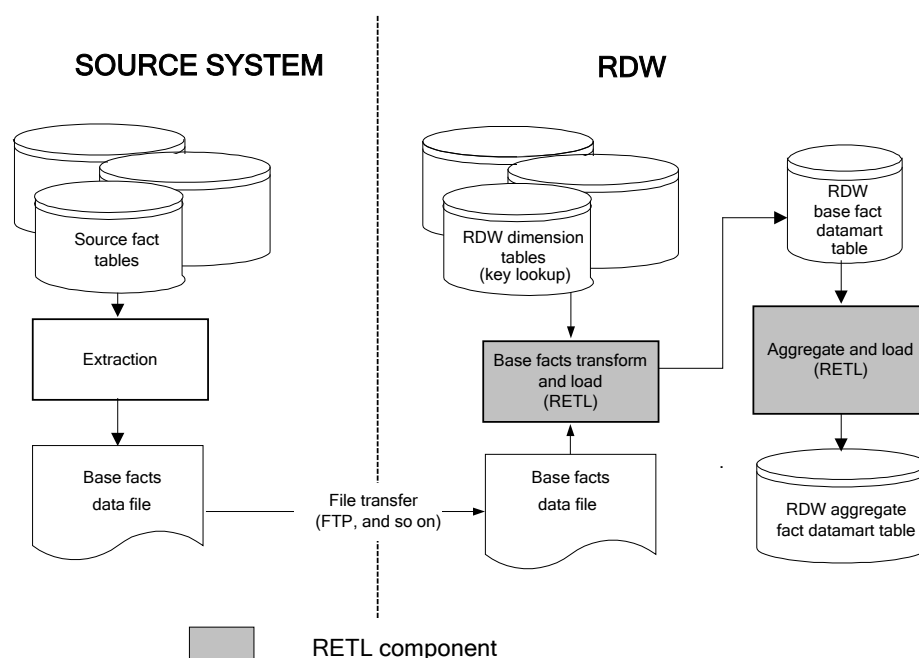
RDW base fact processing programs, which are Korn shell scripts containing RETL operators and RDW library calls, transform and load data to base fact data mart tables. The next step is the aggregation process, where the data is read from one base fact data mart table, aggregated, and then loaded into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

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

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**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.

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**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 data mart 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 or 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.

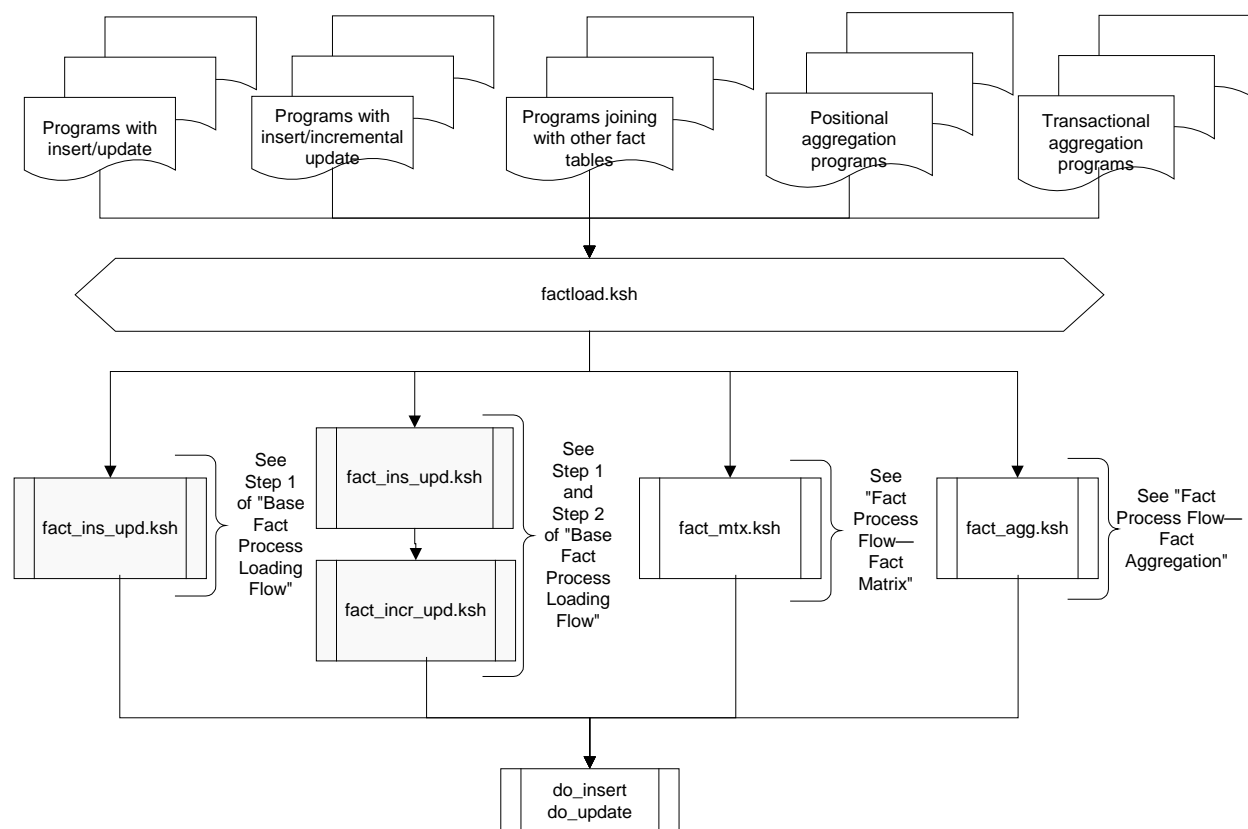
The last program to use a temp table within a data mart drops the temp table. There should be no remaining temp tables by the next business day's processing. Again, the RDW code handles the processing of temp tables, from their creation to their being dropped.

## 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**

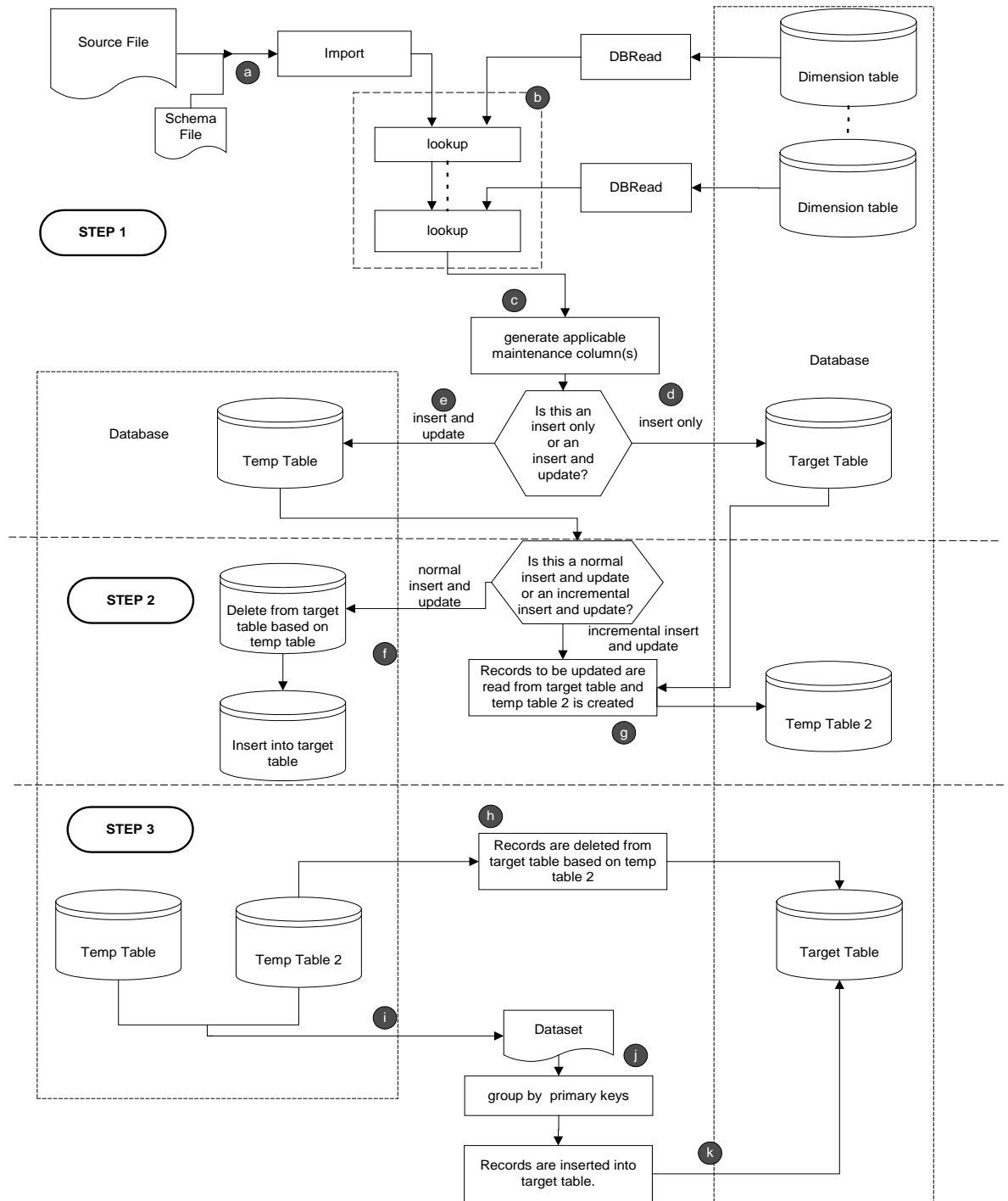
## Detailed Fact Load Description

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 data mart 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 data marts).
- 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 data mart 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 data mart' 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 data mart 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 "Compression and Partitioning" chapter 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.

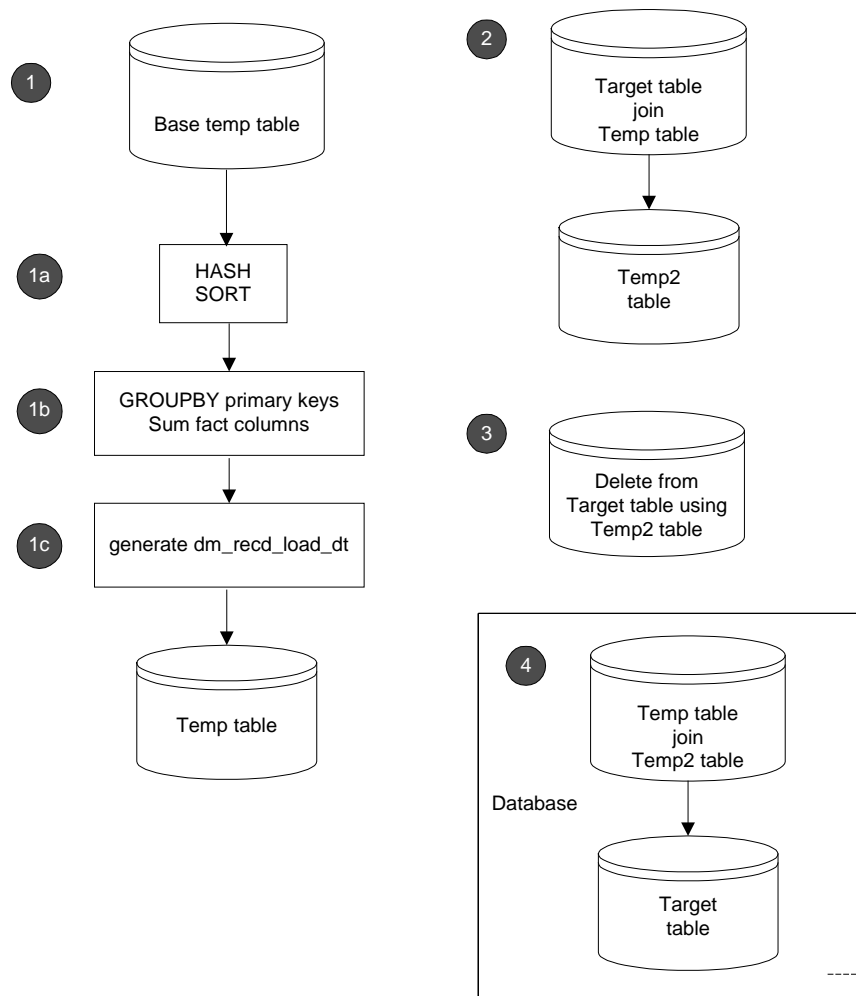
### **Standard Fact Aggregation**

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:

#### Base Temp Table (today)

| Day | Location | Item | Week | Amount |
|-----|----------|------|------|--------|
| 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     |

4. 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**

| Location | Item | Week | Amount |
|----------|------|------|--------|
| A        | B    | 1    | 25     |
| A        | D    | 1    | 70     |
| A        | F    | 1    | 50     |

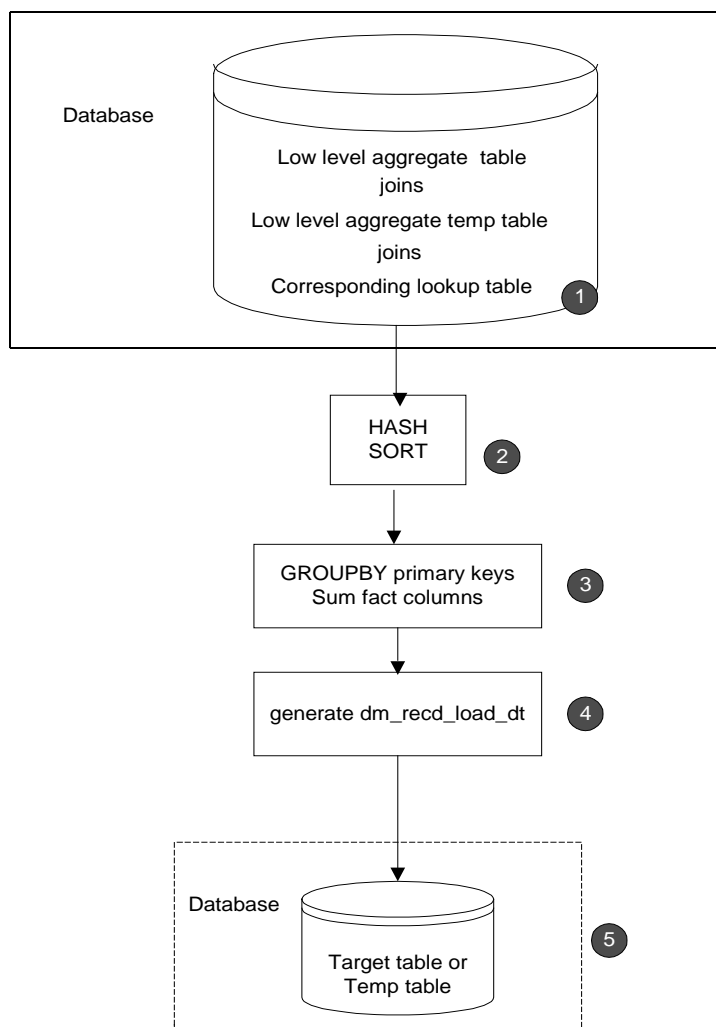
**Data in Aggregation Table**

| Location | Item | Week | Amount |
|----------|------|------|--------|
| 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 Data Marts

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 data mart 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 data marts derived from a lower level. Here is an example.

The Sales data mart contains profit calculated using an item’s weighted average unit cost. The Net Cost data mart 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 data mart is built. By deriving a data mart, the user can view profit analysis reports in the front end without the use of overly complex metrics. An additional benefit of deriving a data mart is that database performance improves.

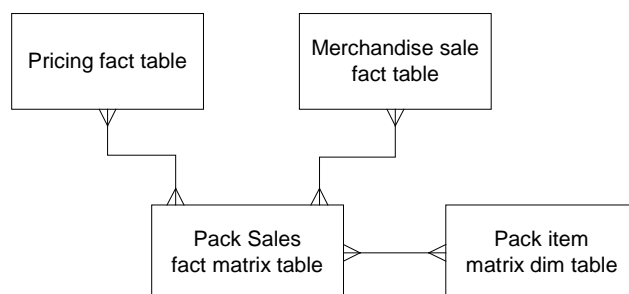
Derived data marts in RDW include the following:

- 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 data mart 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:

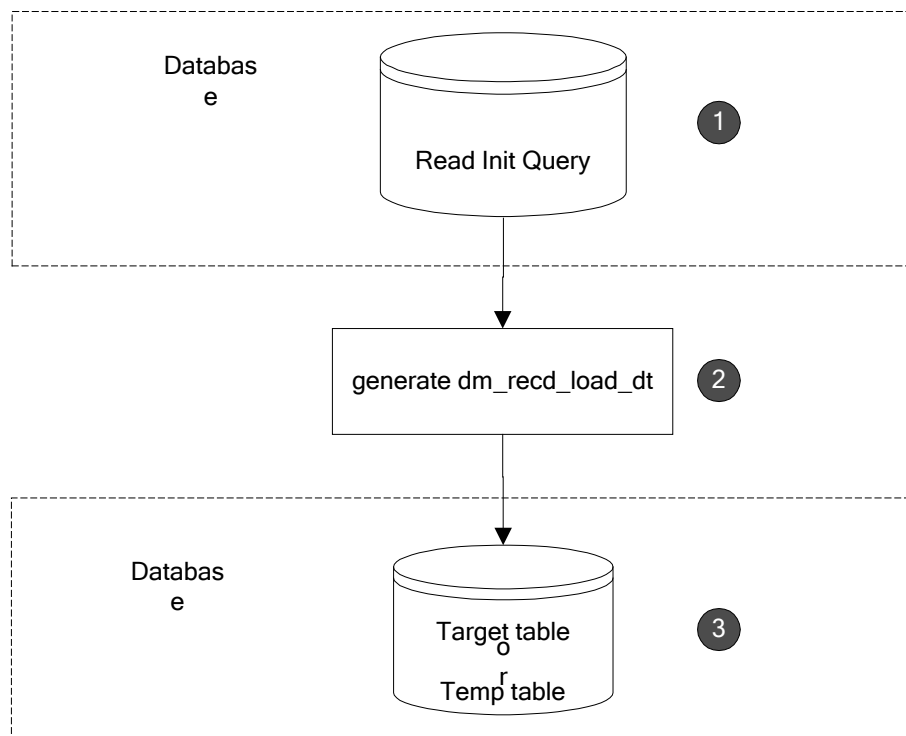


**Fact Matrix Processing**



**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."



---

## 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 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:

- It prevents the loss of data due to program or database failure.
- 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

Data mart 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 rdwl3dev.cust_demog_dm_upd
cusdemogdm 13:20:14: Insert/Update target table.
cusdemogdm 13:20:23: Analyze table rdwl3dm.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 `slsilddm` program would be placed in the following file for the batch run of January 5, 2001:

```
$(MMHOME)/error/slsilddm.slsilddm.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 data mart 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

Data mart base fact load programs require passing in the `input_file_path` and `input_file_name`. Data mart 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 “Program Reference Lists” chapter 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 ensures 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 "Program Flow Diagrams" chapter 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:

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

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

- **Log file:** Today's log file, 20010309.log, does not have the "Program completed successfully..." message for prdpimdm.
- **Data:** Some of the records from the source file `${MMHOME}/data/prdpimdm.txt` may be loaded into the target table.
- **Error file:** The program's error file, prdpimdm.20010309, contains the program's RETL flow and any additional error messages.
- **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'error' where program\_name = prdpimdm and file\_name = `${MMHOME}/data/prdpimdm.txt`.
- **Reject file:** Reject files are not created for RDW programs.
- **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:

- **Log file:** Today's log file, 20010309.log, contains "Program starting...", various informational messages, and "Program completed successfully" messages for vchreschddm.
- **Data:** The records from the source file \${MMHOME}/data/vchreschddm.txt are loaded into the target table.
- **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.
- **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'completed' where program\_name = vchreschddm and file\_name = \${MMHOME}/data/vchreschddm.txt.
- **Reject file:** Reject files are not created for RDW programs.
- **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:

- **Log file:** Today's log file does not contain the "Program completed successfully" message for vchreschddm.
- **Data:** Some of the records from the source file \${MMHOME}/data/vchreschddm.txt may be loaded into the target table.
- **Error file:** The program's error file, vchreschddm.vchreschddm.txt.20010309, contains the program's RETL flow, and any additional error messages.
- **Program status control:** The PROGRAM\_STATUS\_DM table is updated to 'error' where program\_name = vchreschddm and file\_name = \${MMHOME}/data/vchreschddm.txt.
- **Reject file:** Reject files are not created for RDW programs.
- **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

---

## 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 data marts.

Before setting up an RDW program schedule, familiarize yourself with the functional and technical constraints associated with each program. Read through the *RDW Installation Guide* and see the "Program Reference Lists" chapter of this operations guide for additional 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. Also note that batch programs should be scheduled to run daily, unless specified in the Program Reference List chapter of this guide. For example the program `sfcblwdm.ksh` is specified as 'weekly'.
- 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 batch should run after the inventory load, and, 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 `prditmldm.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.

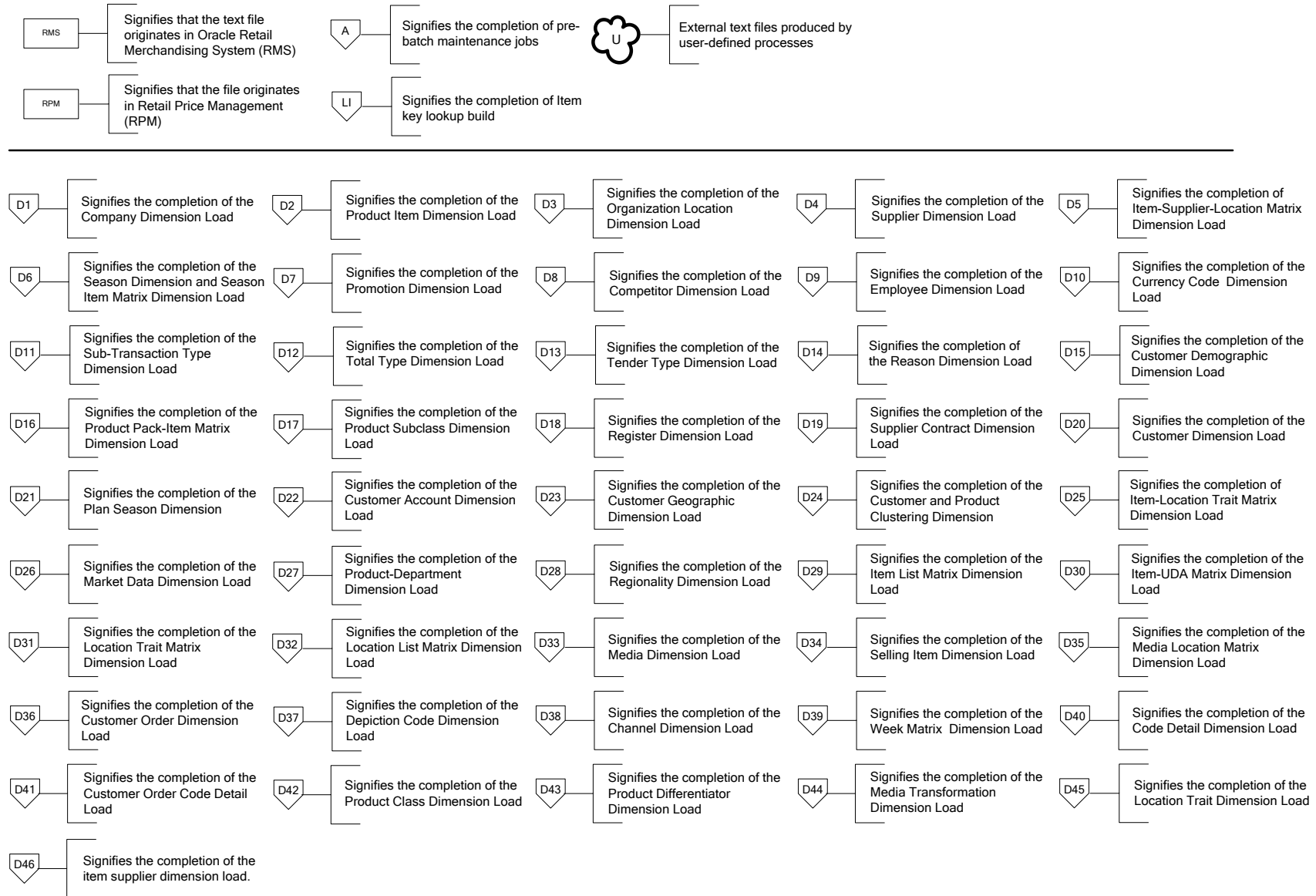
### Data from Undefined Sources

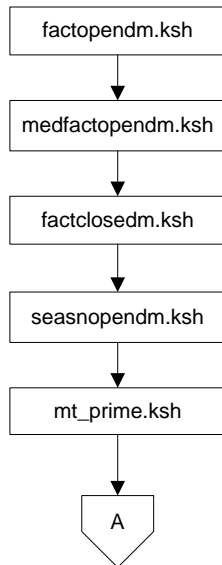
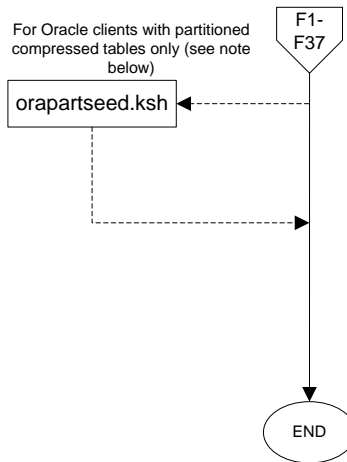
There are no pre-defined sources for some functional areas such as Geographic Dimension, Space Allocation, and Store Traffic fact data. User-defined processes must populate the text files for these areas before their respective loading programs run.

## Program Flow Diagrams

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

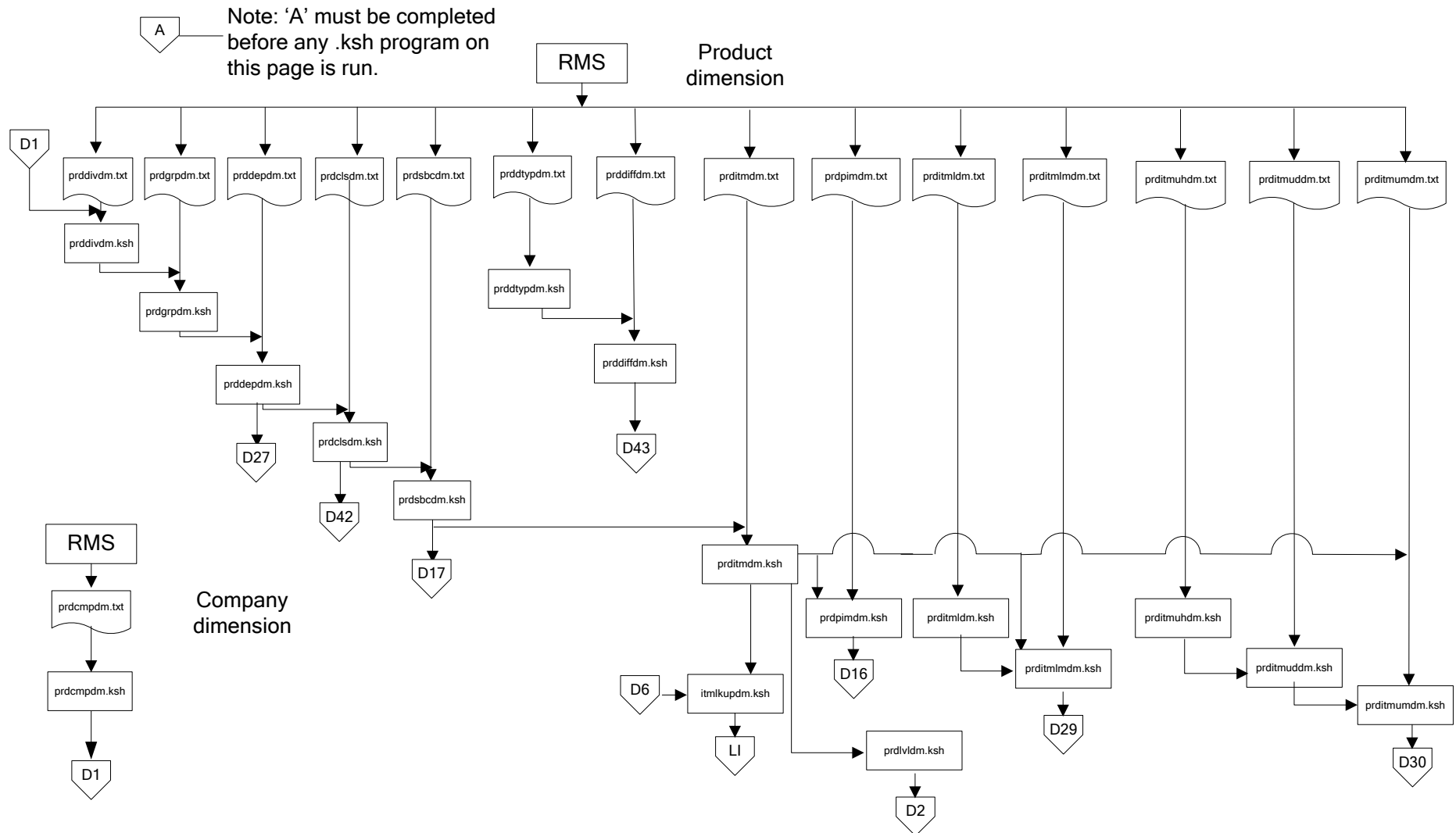
## Legend: RDW Dimension Programs



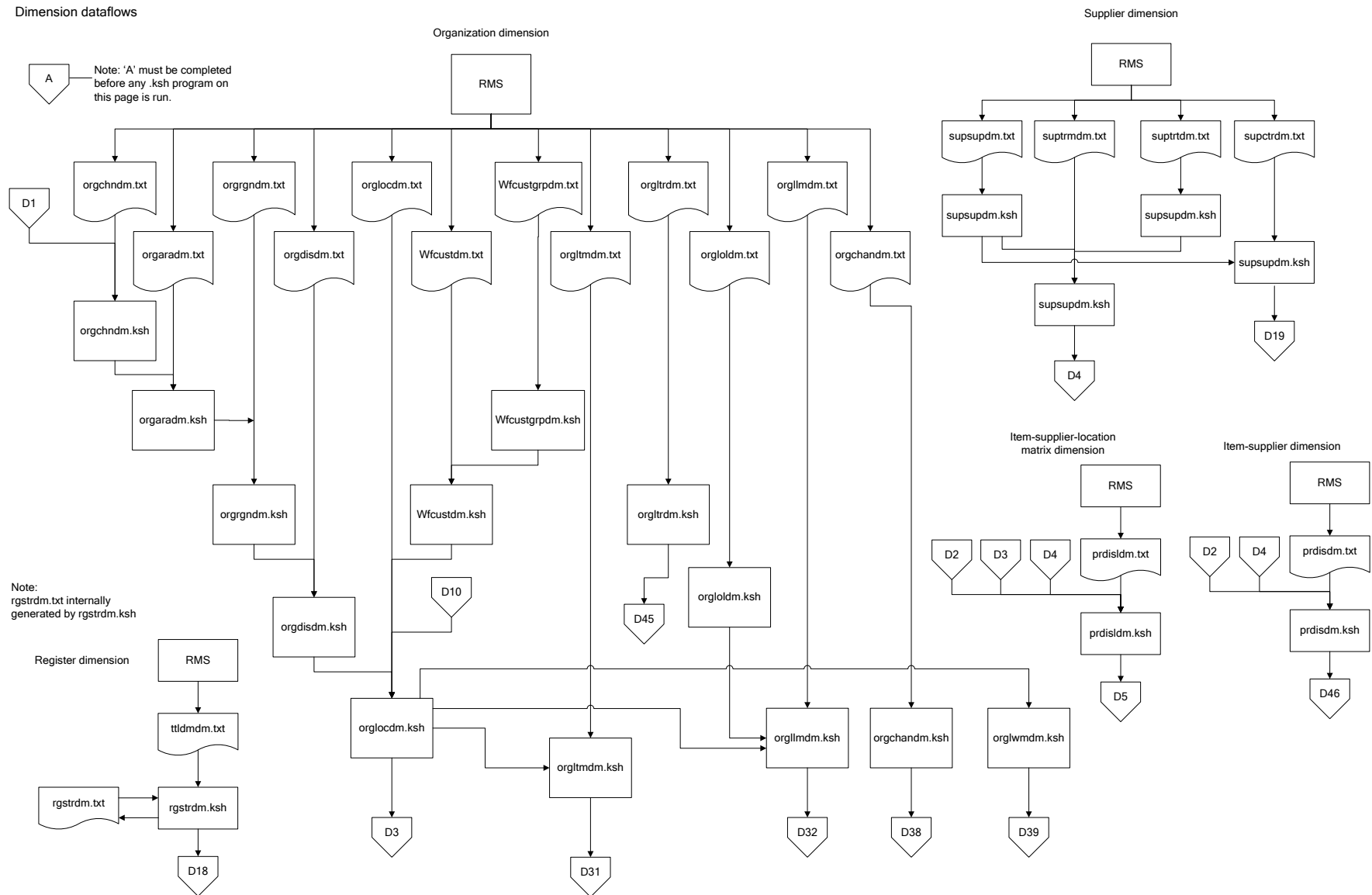
Pre-batch  
maintenancePost-batch  
maintenance**Note:**

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



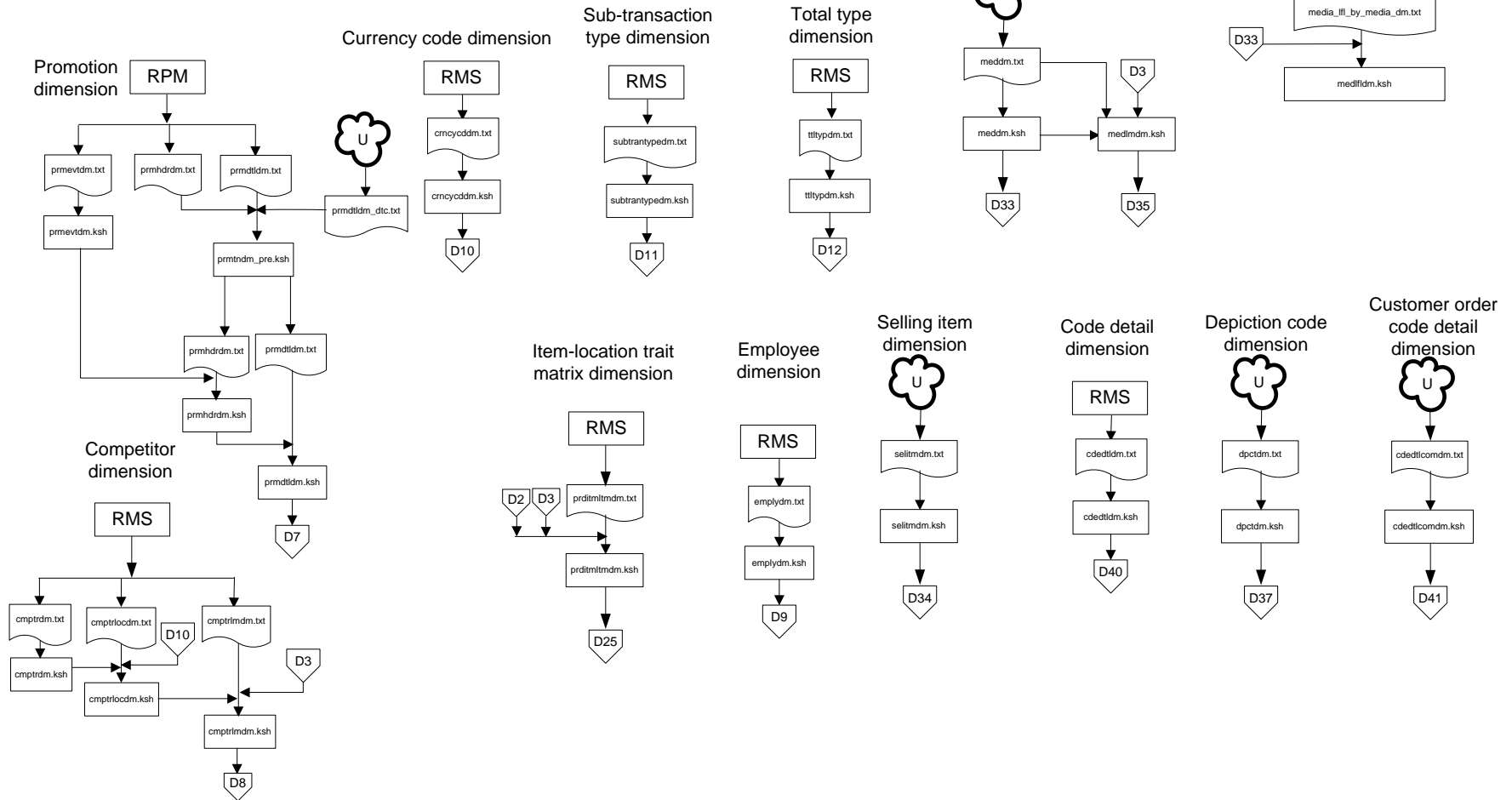
## Dimension dataflows





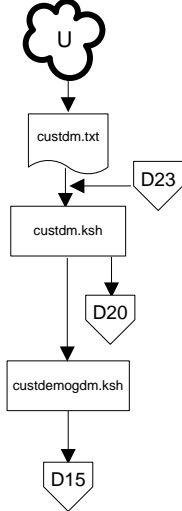
## Dimension dataflows

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

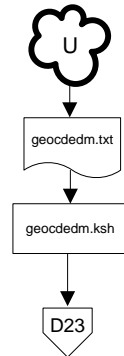


## Dimension dataflows

Customer and  
customer demographic  
dimension

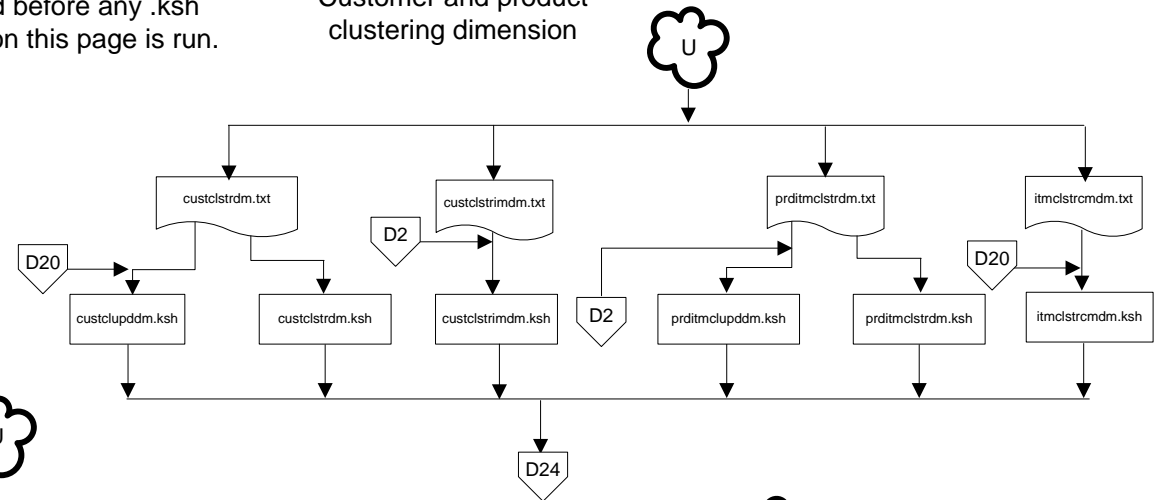


Customer geographic  
dimension

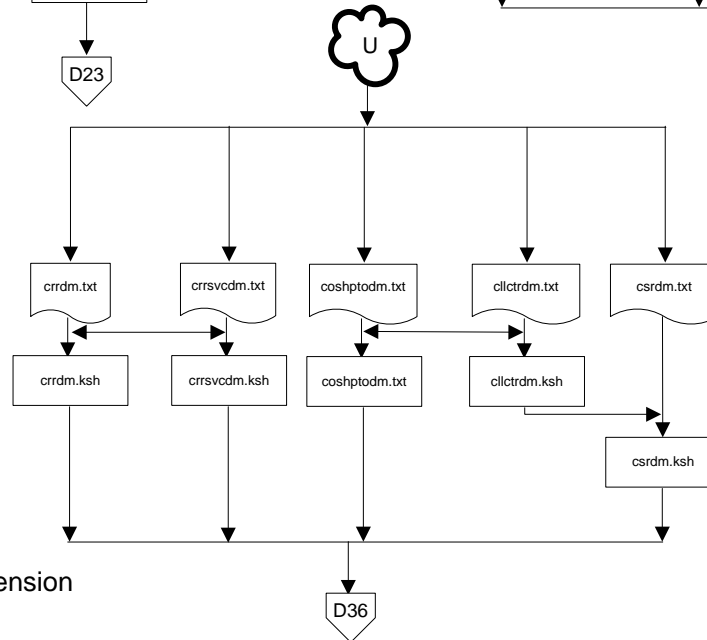


**Note:** 'A' must be  
completed before any .ksh  
program on this page is run.

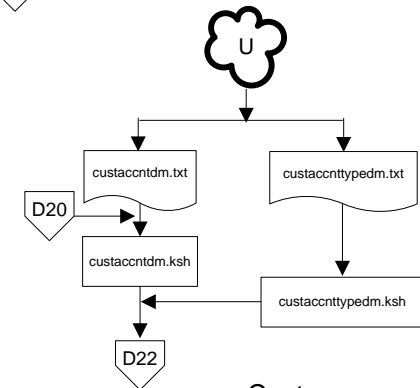
Customer and product  
clustering dimension



Customer order dimension

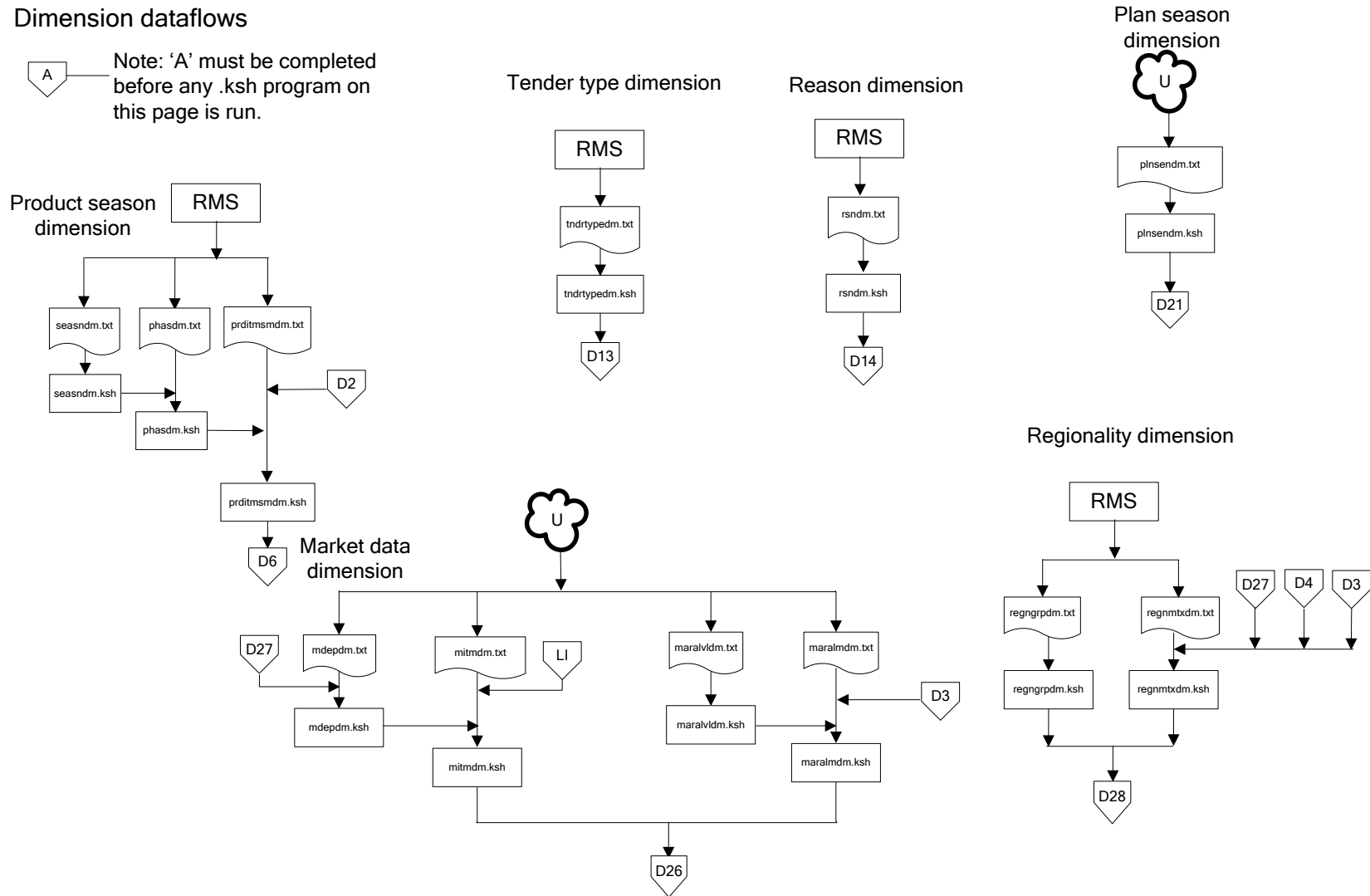


Customer account  
dimension



## 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)

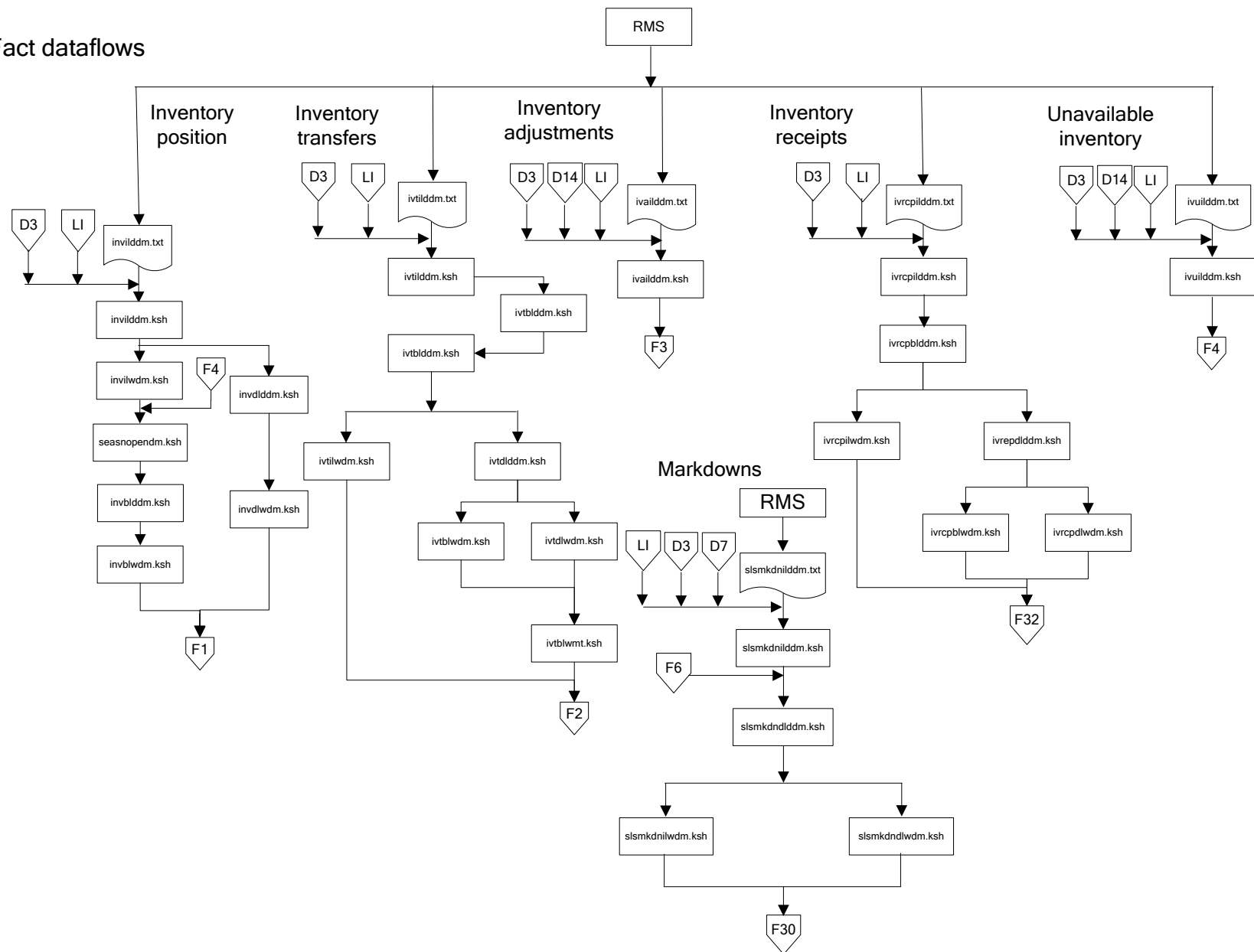
**LI** — signifies the completion of Item key lookup build

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

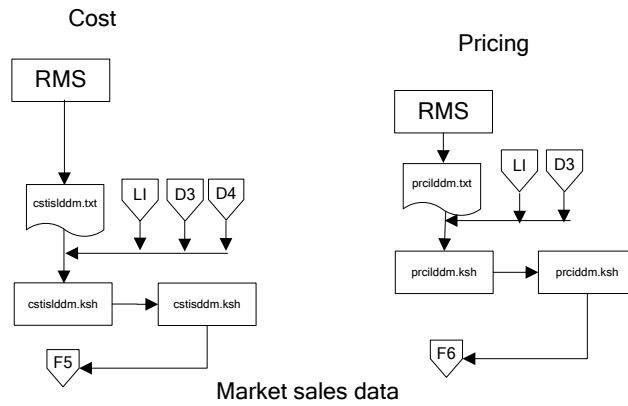
**U** — external text files produced by user-defined processes



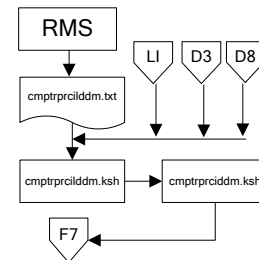
## Fact dataflows



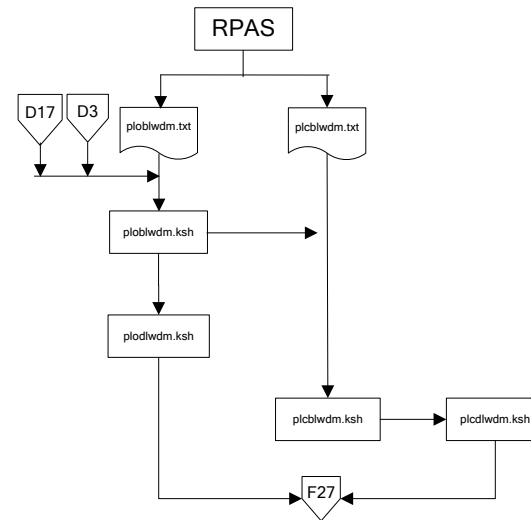
## Fact dataflows



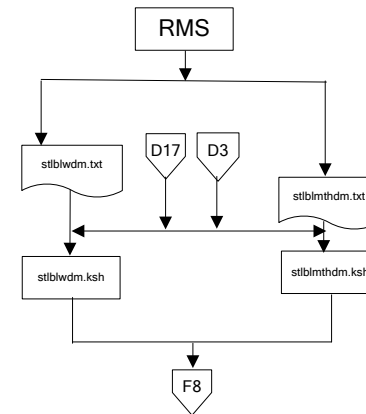
## Competitor pricing



## Planning



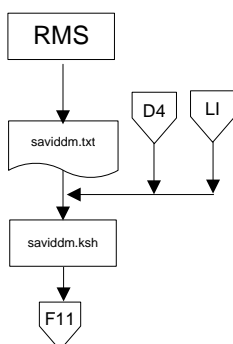
## Stock ledger



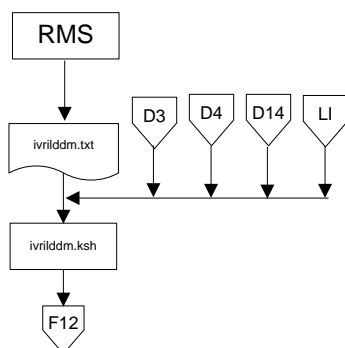
Note:  
If 454 time alone is used,  
run stblwdm.ksh once a  
week. Run stblmthdm.ksh  
once a week because  
some of the stocktake  
columns are updated on a  
weekly basis in RMS. If  
Gregorian time is used, run  
stblmthdm.ksh once a  
month.

## Fact dataflows

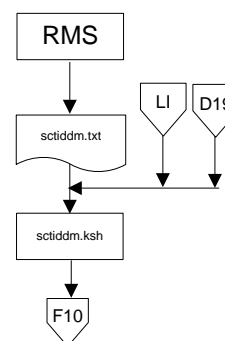
### Supplier availability



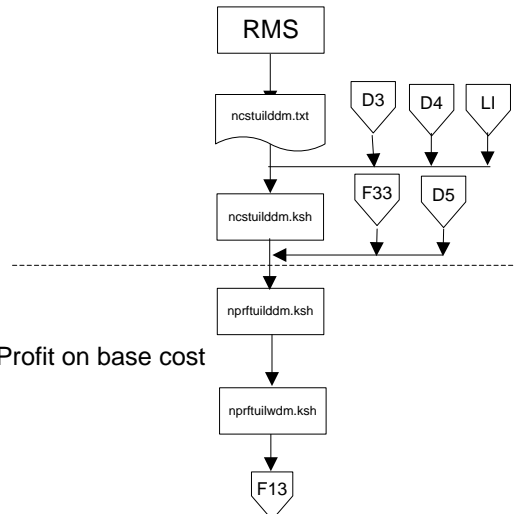
### Return to vendor



### Supplier contract

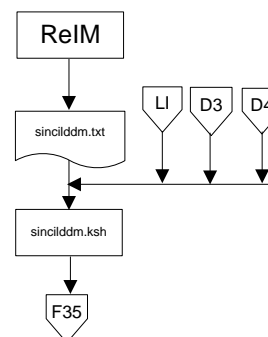


### Net cost



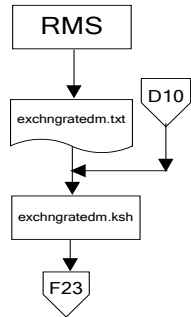
### Profit on base cost

### Supplier invoice cost

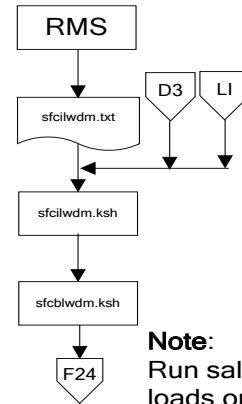


## Fact dataflows

## Exchange rates

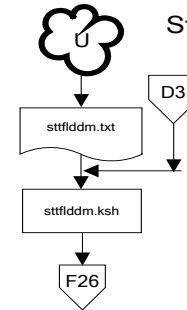


## Sales forecasts

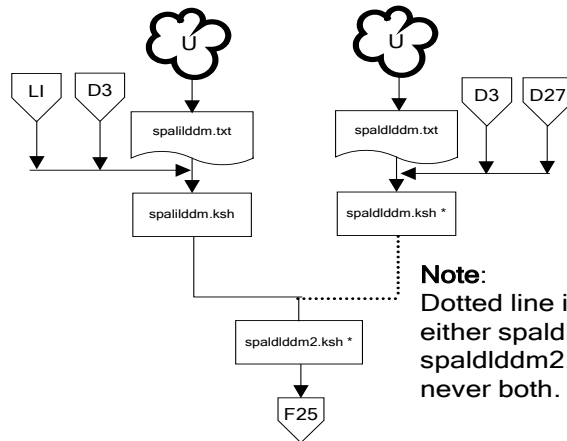


**Note:**  
Run sales forecast fact loads once weekly.

## Store traffic

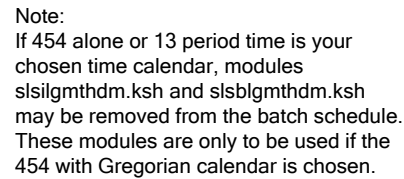


## Space allocation

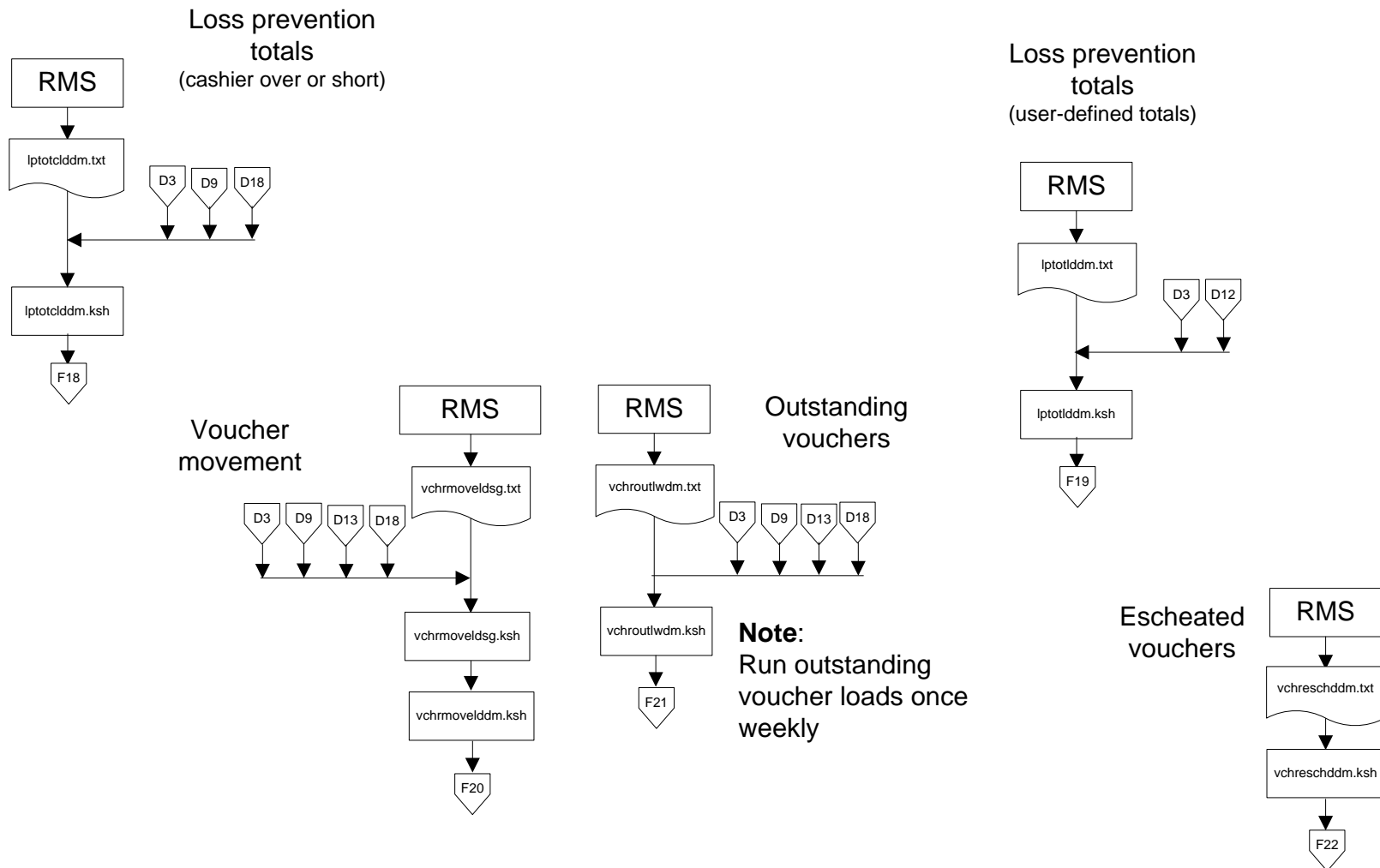


**Note:**  
Dotted line indicates that either spallddm.ksh or spallddm2.ksh runs, never both.

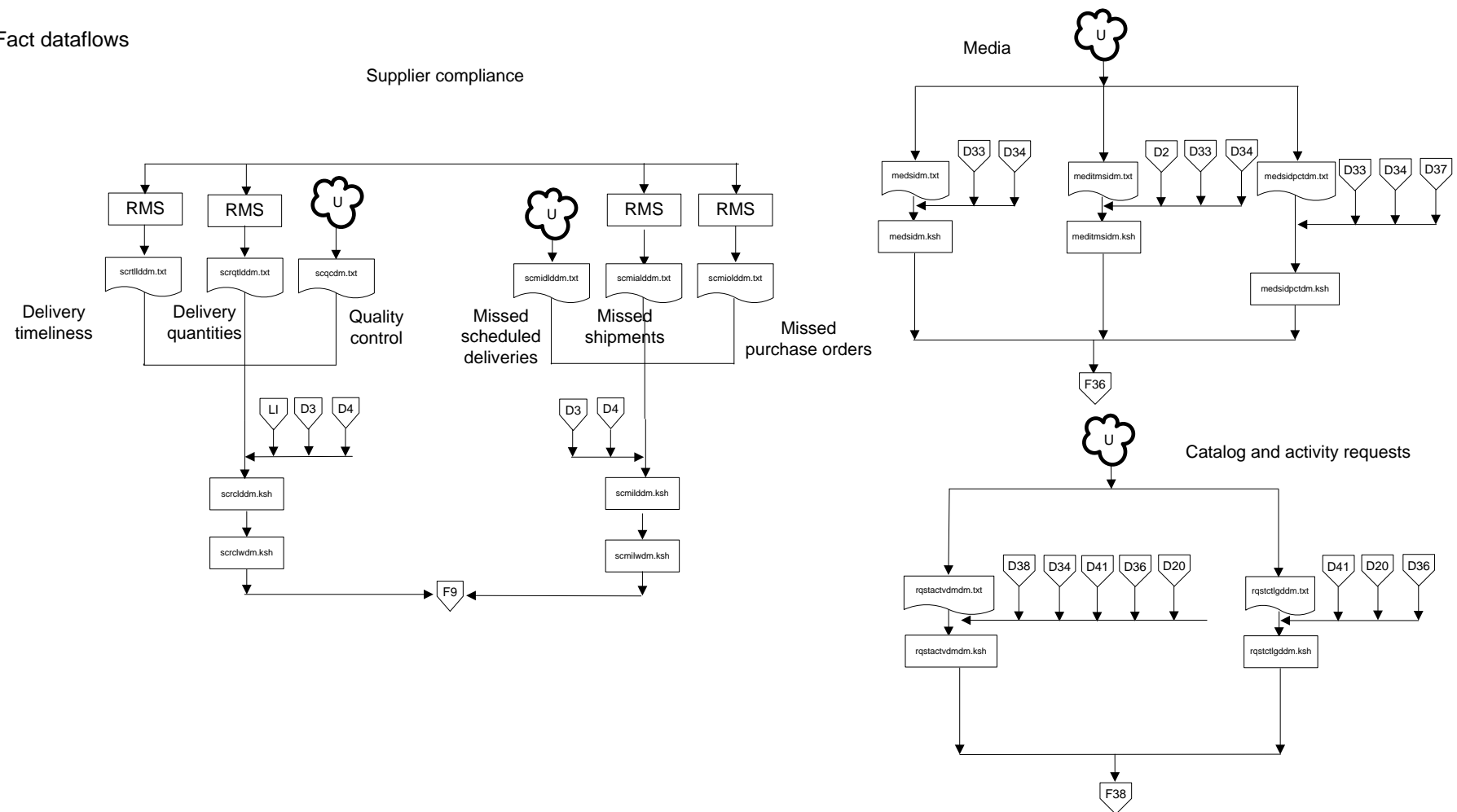


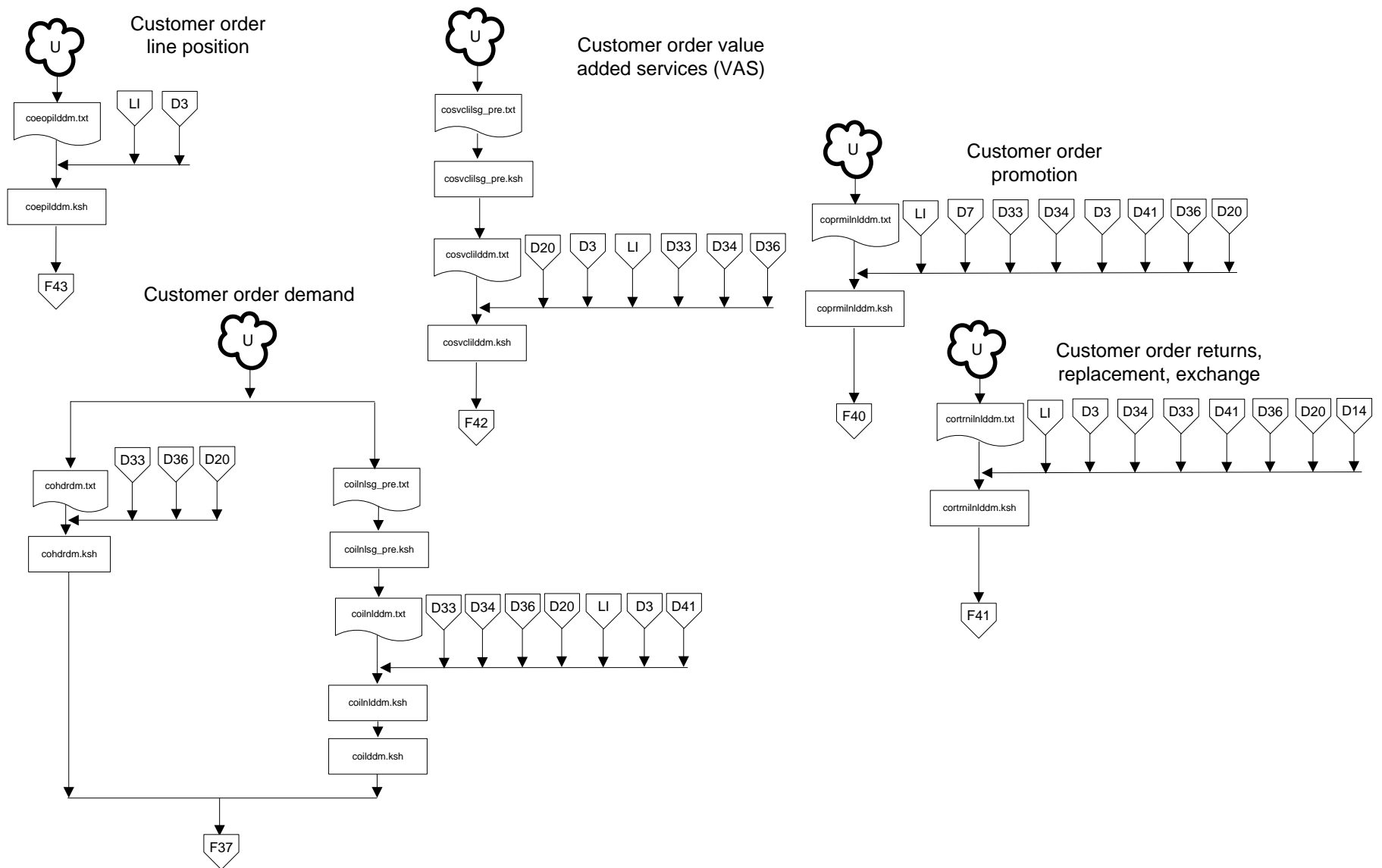


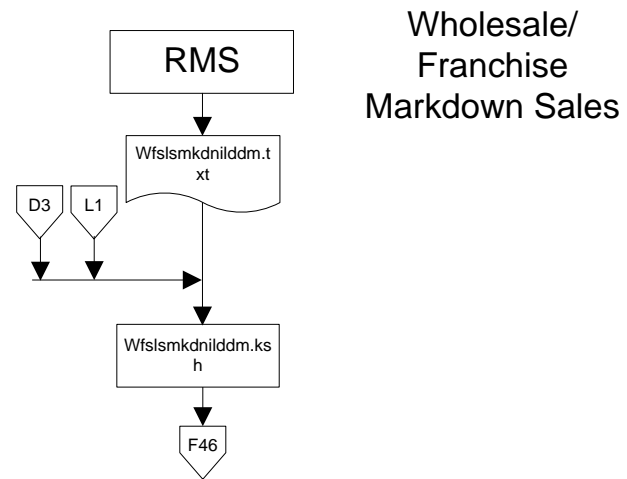
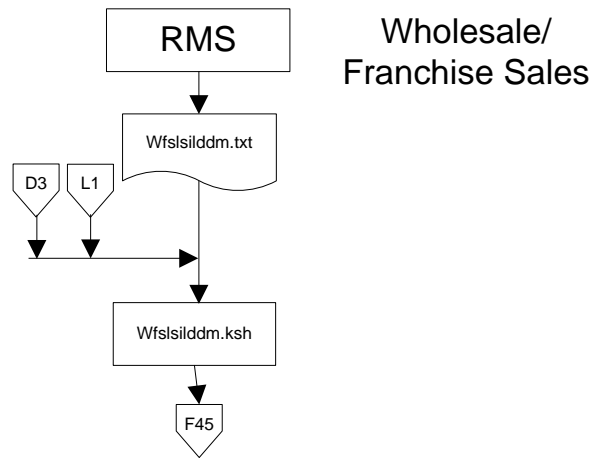
## Fact dataflows



## Fact dataflows









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## 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 “Program Flow Diagrams” chapter 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 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_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Notes   |
|-----------------|----------------------|----------------|----------------------|----------------------|--------------------|----------------------|------------------------------------|--------------------------------------|---|
| cdedtlcomdm.ksh | Customer Order Codes | Dimension Load | See notes            | cdedtlcomdm.txt      | cdedtlcomdm.schema | CDE_DTL_COM_DM       | DIM_TOP                            | UPDATE                               | <p>Source file supplied by client.</p> <p>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.</p> |
| cdedtldm.ksh    | Codes                | Dimension Load | RMS                  | cdedtldm.txt         | cdedtldm.schema    | CDE_DTL_DM           | DIM_STANDALONE                     | UPDATE                               | <p>There is an installation script to load this table initially. However, UOM codes are not 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.</p>  |



| Program         | Functional Area            | Program Type   | External Data Source | Source Table or File | Schema File        | Target File or Table | Program_Control<br>DM.program_type | Program_Control_<br>DM.operation_type | Notes   |
|-----------------|----------------------------|----------------|----------------------|----------------------|--------------------|----------------------|------------------------------------|---------------------------------------|---|
| cllctrdm.ksh    | Customer Order Dimension   | Dimension Load | See notes            | cllctrdm.txt         | cllctrdm.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_LOC_MTX_DM     | DIM_MTX                            | INSERT                                |   |
| cmptrlocdm.ksh  | Competitor Dimension       | Dimension Load | RMS                  | cmptrlocdm.txt       | cmptrlocdm.schema  | CMPTR_LOC_DM         | DIM_LOW                            | UPDATE                                |   |
| coshptodm.ksh   | Customer Order Dimension   | Dimension Load | See notes            | coshptodm.txt        | coshptodm.schema   | CO_SHIP_TO_DM        | DIM_TOP                            | UPDATE                                | Source file supplied by client.   |
| crnycddm.ksh    | Currency Code Dimension    | Dimension Load | RMS                  | crnycddm.txt         | crnycddm.schema    | CRNCY_CDE_DM         | DIM_TOP                            | UPDATE                                |   |
| 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.   |
| csrdm.ksh       | Customer Order Dimension   | Dimension Load | See notes            | csrdm.txt            | csrdm.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_ACCNT_DM        | DIM_TOP_DELTA<br>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). |

| 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 | Notes  |
|---------------------|--|----------------|----------------------|----------------------|------------------------|---|---------------------------------|-----------------------------------|--|
| custacctntypedm.ksh | Customer Account Dimension                   | Dimension Load | See notes            | custacctntypedm.txt  | custacctntypedm.schema | CUST_ACCNT_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_CLSTR_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_CLSTR_ITEM_MTX_DM  | DIM_MTX                         | INSERT                            | Source file supplied by client.  |
| custclupddm.ksh     | Customer and Product Clustering Dimension    | Dimension Load | See notes            | custclstrdm.txt      | custclstrdm.schema     | CUST_DM   | DIM_STANDALONE                  | 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_STANDALONE_TABLE            | UPDATE                            |  |

| 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 | Notes   |
|------------------|--|------------------|----------------------|---|---------------------|--|---------------------------------|-----------------------------------|---|
| 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.                                       |
| emplydm.ksh      | Employee Dimension                           | Dimension Load   | RMS                  | emplydm.txt                             | emplydm.schema      | EMPTY_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,<br>PROD_ITEM_SEASN_MTX_DM |                     | ITEM_KEY_LKUP_TEMP   | DIM_STANDALONE_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,<br>MKT_AREA_LEVEL2_DM,<br>MKT_AREA_LEVEL3_DM | DIM_STANDALONE                  | 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_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Notes  |
|---------------|------------------------|----------------|----------------------|----------------------|------------------|---|------------------------------------|--------------------------------------|--|
| mdepdm.ksh    | Market Data Dimension  | Dimension Load | See notes            | mdepdm.txt           | mdepdm.schema    | MKT_PROD_DEPT_DM,<br>MKT_PROD_DEPT_MTX_DM | DIM_STANDALONE                     | 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_LOC_MTX_DM                          | DIM_STANDALONE                     | UPDATE                               | Source file supplied by client.<br><br>Note that medlmdm.ksh uses meddm.txt and meddm.schema.  |
| mitmdm.ksh    | Market Data Dimension  | Dimension Load | See notes            | mitmdm.txt           | mitmdm.schema    | MKT_PROD_ITEM_DM,<br>MKT_PROD_ITEM_MTX_DM | DIM_STANDALONE                     | UPDATE                               | Source file supplied by client.  |
| orgaradm.ksh  | Organization Dimension | Dimension Load | RMS                  | orgaradm.txt         | orgaradm.schema  | ORG_AREA_DM                               | DIM_LOW                            | UPDATE                               |  |
| orgchandm.ksh | Organization Dimension | Dimension Load | RMS                  | orgchandm.txt        | orgchandm.schema | ORG_CHANNEL_DM                            | DIM_STANDALONE                     | UPDATE                               |  |
| orgchndm.ksh  | Organization Dimension | Dimension Load | RMS                  | orgchndm.txt         | orgchndm.schema  | ORG_CHAIN_DM                              | DIM_LOW                            | UPDATE                               |  |

| Program      | Functional Area          | Program Type   | External Data Source | Source Table or File | Schema File     | Target File or Table | Program_Control<br>DM.program_type | Program_Control_<br>DM.operation_type | Notes  |
|--------------|--------------------------|----------------|----------------------|----------------------|-----------------|----------------------|------------------------------------|---------------------------------------|--|
| orgdisdm.ksh | Organization Dimension   | Dimension Load | RMS                  | orgdisdm.txt         | orgdisdm.schema | ORG_DISTT_DM         | DIM_LOW                            | UPDATE                                |  |
| orgllmdm.ksh | Organization Dimension   | Dimension Load | RMS                  | orgllmdm.txt         | orgllmdm.schema | ORG_LOCLST_MTX_DM    | DIM_MTX                            | INSERT                                |  |
| orglocdm.ksh | Organization Dimension   | Dimension Load | RMS                  | orglocdm.txt         | orglocdm.schema | ORG_LOC_DM           | DIM_LOW                            | UPDATE                                |  |
| orgloldm.ksh | Organization Dimension   | Dimension Load | RMS                  | orgloldm.txt         | orgloldm.schema | ORG_LOCLST_DM        | DIM_TOP_F                          | UPDATE_D                              |  |
| orgltmdm.ksh | Organization Dimension   | Dimension Load | RMS                  | orgltmdm.txt         | orgltmdm.schema | ORG_LOC_TRAIT_MTX_DM | DIM_MTX                            | INSERT                                |  |
| 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_STANDALONE_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_STANDALONE                     | UPDATE                                | Processes comparable location data at week.<br>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                                |  |

| Program       | Functional Area       | Program Type   | External Data Source | Source Table or File | Schema File      | Target File or Table   | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Notes   |
|---------------|-----------------------|----------------|----------------------|----------------------|------------------|--|------------------------------------|--------------------------------------|---|
| plnsendm.ksh  | Plan Season Dimension | Dimension Load | See notes            | plnsendm.txt         | plnsendm.schema  | PLN_SEASN_DM,<br>TIME_PLN_STD_BY_WK_DM,<br>PLN_SEASN_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                               |   |
| 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_DEPT_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                               | 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.<br><br>2. For more information about DIFF type processing and the RDW front end, see the RDW Installation Guide. |
| 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_Control_DM.program_type | Program_Control_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                            | <p>PROD_ITEM_SUPP_LOC_DM table is provided to be used for specific reports that require one of the following attributes/metrics: (Supplier Part Number, Presentation Method or Supplier Case Quantity).</p> <p>For creating the reports at ITEM-SUPPLIER level, PROD_ITEM_SUPP_DM table should be used. Please refer to the prdisdm.ksh program details for more information.</p>   |
| prdisdm.ksh  | Item Supplier Dimension                | Dimension Load | RMS                  | Prdisdm.txt          | Prdisdm.schema  | PROD_ITEM_SUPP_DM     | DIM_STANDALONE                  | UPDATE                            | <p>RDW supplies information at both ITEM-SUPPLIER and ITEM-SUPPLIER-LOCATION levels. Table PROD_ITEM_SUPP_DM (populated by module prdisdm.ksh) stores ITEM_SUPPLIER level information. Table PROD_ITEM_SUPP_LOC_DM (populated by module prdisldm.ksh) stores ITEM-SUPPLIER-LOCATION level information.</p> <p>Both these tables are very large and the reporting off of them deserves special consideration.</p> <p>RDW recommends usage of</p> |

| Program | Functional Area | Program Type | External Data Source | Source Table or File | Schema File | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Notes   |
|---------|-----------------|--------------|----------------------|----------------------|-------------|----------------------|------------------------------------|--------------------------------------|---|
|         |                 |              |                      |                      |             |                      |                                    |                                      | <p>PROD_ITEM_SUPP_DM table for creation of reports at the ITEM-SUPPLIER LEVEL.If</p> <p>PROD_ITEM_SUPP_LOC_DM table is used to create any reports at ITEM-SUPPLIER level, a significant loss in report performance will be noticed.</p> <p>PROD_ITEM_SUPP_LOC_DM table is provided to be used for specific reports that require one of the following attributes/metrics: (Supplier Part Number, Presentation Method or Supplier Case Quantity). If Supplier Part Number, Presentation Method or Supplier Case Quantity from</p> <p>PROD_ITEM_SUPP_LOC_DM table are not required for any report then RDW highly recommends to remove the prdisldm program from RDW schedule for improved batch performance.</p> <p>The population and reporting from PROD_ITEM_SUPP_DM is faster than PROD_ITEM_SUPP_LOC_DM.</p> |



| Program           | Functional Area                           | Program Type   | External Data Source | Source Table or File | Schema File          | Target File or Table        | Program_Control<br>DM.program_type | Program_Control_<br>DM.operation_type | Notes   |
|-------------------|---|----------------|----------------------|----------------------|----------------------|-----------------------------|------------------------------------|---------------------------------------|---|
| 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                                |   |
| prditmsmdm.ksh    | Product Dimension                         | Dimension Load | RMS                  | prditmsmdm.txt       | prditmsmdm.schema    | PROD_SEASN_ITEM_MTX_DM      | DIM_STANDALONE                     | UPDATE                                |   |
| prditmuddm.ksh    | Product Dimension                         | Dimension Load | RMS                  | prditmuddm.txt       | prditmuddm.schema    | PROD_ITEM_UDATA_DTL_DM      | DIM_TOP_F                          | UPDATE_DL                             |   |
| prditmuhdm.ksh    | Product Dimension                         | Dimension Load | RMS                  | prditmuhdm.txt       | prditmuhdm.schema    | PROD_ITEM_UDA_HEAD_DM       | DIM_TOP_F                          | UPDATE_D                              |   |

| 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 | Notes  |
|-----------------|---------------------|--------------------|----------------------|--|------------------------------------|--|---------------------------------|-----------------------------------|--|
| prditmumdm.ksh  | Product Dimension   | Dimension Load     | RMS                  | prditmumdm.txt                                   | prditmumdm.schema                  | PROD_ITEM_UDA_MTX_DM                           | DIM_STANDALONE                  | UPDATE                            |  |
| prdlvldm.ksh    | Product Dimension   | Dimension Load     | RMS                  | PROD_ITEM_DM                                     |                                    | PROD_LEVEL1_DM, PROD_LEVEL2_DM, PROD_LEVEL3_DM | DIM_STANDALONE_TABLE            | UPDATE                            |  |
| prdpimdm.ksh    | Product Dimension   | Dimension Load     | RMS                  | prdpimdm.txt                                     | prdpimdm.schema                    | PROD_PACK_ITEM_MTX_DM                          | DIM_STANDALONE                  | 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                            |  |
| 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                            |  |
| prmtndm_pre.ksh | Promotion Dimension | Dimension Pre-load | See notes            | prmdtldm_dtc.txt<br>prmdtldm.txt<br>prmhdrdm.txt | prmdtldm.schema<br>prmhdrdm.schema | prmdtldm.txt<br>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 |

| 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 | Notes  |
|---------------|-----------------------|----------------|----------------------|--------------------------|--------------------------------|----------------------|---------------------------------|-----------------------------------|--|
|               |                       |                |                      |                          |                                |                      |                                 |                                   | 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 standalone 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. |
| regngrpdm.ksh | Regionality Dimension | Dimension Load | RMS                  | regngrpdm.txt            | regngrpdm.schema               | REGIONALITY_GRP_DM   | DIM_TOP_IDNT                    | UPDATE_D                          |  |
| regnmtxdm.ksh | Regionality Dimension | Dimension Load | RMS                  | regngrpdm.txt            | regnmtxdm.schema               | REGIONALITY_MTX_DM   | 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                            |  |

| Program           | Functional Area                                       | Program Type   | External Data Source | Source Table or File | Schema File          | Target File or Table  | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Notes                           |
|-------------------|---|----------------|----------------------|----------------------|----------------------|---|------------------------------------|--------------------------------------|---------------------------------|
| seasndm.ksh       | Product Season Dimension                              | Dimension Load | RMS                  | seasndm.txt          | seasndm.schema       | SEASN_DM,<br>TIME_STD_BY<br>_DAY_DM,<br>TIME_STD_BY<br>_WK_DM | DIM_TOP                            | UPDATE_L                             |                                 |
| selitmdm.ksh      | Media   | Dimension Load | See notes            | selitmdm.txt         | selitmdm.schema      | SELLING_<br>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_<br>TYPE_DM  | DIM_TOP                            | UPDATE                               |                                 |
| supctrdm.ksh      | Supplier Dimension                                    | Dimension Load | RMS                  | supctrdm.txt         | supctrdm.schema      | SUPP_CNTRC<br>T_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_<br>MTX_DM   | DIM_MTX                            | INSERT                               |                                 |
| suptrtdm.ksh      | Supplier Dimension                                    | Dimension Load | RMS                  | suptrtdm.txt         | suptrtdm.schema      | SUPP_TRAIT_<br>DM   | DIM_TOP_IDNT                       | UPDATE                               |                                 |
| tndrtypedm.ksh    | Tender Type Dimension                                 | Dimension Load | RMS                  | tndrtypedm.txt       | tndrtypedm.schema    | TNDR_TYPE_<br>DM  | DIM_TOP                            | UPDATE                               |                                 |
| ttltypdm.ksh      | Total Type Dimension                                  | Dimension Load | RMS                  | ttltypdm.txt         | ttltypdm.schema      | TOTAL_<br>TYPE_DM   | DIM_TOP                            | UPDATE                               |                                 |
| Wfcustdm.ksh      | Organization Dimension (wholesale/franchise customer) | Dimension Load | RMS                  | Wfcustdm.txt         | Wfcustdm.schema      | WF_CUST_D<br>M  | DIM_LOW                            | UPDATE                               |                                 |

| Program         | Functional Area   | Program Type   | External Data Source | Source Table or File | Schema File        | Target File or Table | Program_Control<br>_DM.program_type | Program_Control_<br>DM.operation_type | Notes |
|-----------------|---|----------------|----------------------|----------------------|--------------------|----------------------|-------------------------------------|---------------------------------------|-------|
| Wfcustgrpdm.ksh | Organization Dimension (wholesale/franchise customer group) | Dimension 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 data mart. 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 holds today's changes/new facts and is used by slsmkdnilwdm.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 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<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                         | 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_UPDATE                    | 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. |
| cmptrprciddm.ksh  | Competitor Pricing           | Aggregation                     |                      |                      |                      | CMPTR_PRICING_ITEM_DAY_DIM                       | FACT_AGG_POSS                      | UPDATE_ME                            |                                   |  |
| coeopilddm.ksh    | Customer Order Line Position | Base Fact                       | See notes            | coeopilddm.txt       | coeopilddm.schema    | CO_EOP_ITEM_LD_DM                                | BASEFACT_INSERT                    | 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_UPDATE                    | UPDATE_A                             | \${MMHOME}/data/cohdrdm.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<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments  | Notes   |
|-------------------|-----------------|--------------------------|----------------------|----------------------|----------------------|---|------------------------------------|--------------------------------------|--|---|
| coilddm.ksh       | Customer Order  | Aggregation              |                      |                      |                      | CO_ITEM_LD_DM                             | FACT_STANDALONE                    | UPDATE                               |  | This program aggregates customer order line transactions for the current day.   |
| coilnlddm.ksh     | Customer Order  | Base Fact                |                      | coilnlddm.txt        | coilnlddm.schema     | CO_ITEM_LINE_LD_SG,<br>CO_ITEM_LINE_LD_DM | BASEFACT_UPDATE                    | 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. |
| coilnls_g_pre.ksh | Customer Order  | Base Fact Transformation | See notes            | coilnls_g_pre.txt    | coilnls_g_pre.schema | CO_ITEM_LL_CUR_SG,<br>coilnlddm.txt       | FACT_STANDALONE                    | UPDATE                               | \${MMHOME}/data/coilnls_g_pre.txt<br>\${MMHOME}/data/coilnlddm.txt | Source file supplied by client. This program processes the incoming file coilnls_g_pre.txt. The results are written into an output file,  |



| Program           | Functional Area      | Program Type             | External Data Source | Source Table or File | Schema File          | Target File or Table                  | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments   | Notes  |
|-------------------|----------------------|--------------------------|----------------------|----------------------|----------------------|---------------------------------------|------------------------------------|--------------------------------------|---|--|
|                   |                      |                          |                      |                      |                      |                                       |                                    |                                      |   | coilnllddm.txt. The current day's open CO line record is inserted/updated into the table, CO_ITEM_LL_CUR_SG  |
| coprmlnllddm.ksh  | DTC Promotion        | Base Fact                | See notes            | coprmlnllddm.txt     | coprmlnllddm.schema  | CO_PRMTN_ITEM_LLD_DM                  | BASEFACT_UPDATE                    | UPDATE                               | \${MMHOME}/data/coprmlnllddm.txt                                    | Source file supplied by client.  |
| cortrnlnllddm.ksh | DTC Returns          | Base Fact                | See notes            | cortrnlnllddm.txt    | cortrnlnllddm.schema | CO_RTRN_ITEM_LLD_DM                   | BASEFACT_UPDATE                    | UPDATE_A                             | \${MMHOME}/data/cortrnlnllddm.txt                                   | Source file supplied by client.  |
| cosvcllsg_pre.ksh | Value Added Services | Base Fact Transformation | See notes            | cosvcllsg_pre.txt    | cosvcllsg_pre.schema | CO_SVC_ITEM_LL_CUR_SG, cosvcllddm.txt | FACT_STANDALONE                    | UPDATE                               | \${MMHOME}/data/cosvcllsg_pre.txt<br>\${MMHOME}/data/cosvcllddm.txt | Source file supplied by client.<br>This program processes the incoming file cosvcllsgpre.txt. The results are written into an output file, cosvcllddm.txt. The current day's CO service line record will also be inserted/update into the table CO_SVC_ITEM_LL_CUR_SG. |

| Program          | Functional Area      | Program Type                     | External Data Source | Source Table or File | Schema File         | Target File or Table                  | Program_Contr ol<br>DM.program_ty pe | Program_ Control<br>DM.operation_ type | Argu- ments                        | Notes   |
|------------------|----------------------|----------------------------------|----------------------|----------------------|---------------------|---------------------------------------|--------------------------------------|--|------------------------------------|---|
| cosvcllddm.ksh   | Value Added Services | Base Fact                        |                      | cosvcllddm.txt       | cosvcllddm.schema   | CO_SVC_ITEM_LLD_DM                    | BASEFACT_INS                         | INSERT                                 | \$(MMHOM E)/data /cosvclld dm.txt  |   |
| cstisddm.ksh     | Cost                 | Aggre gation                     |                      |                      |                     | COST_ITEM_SU PP_DAY_DM                | FACT_AGG_PO S                        | UPDATE_ME                              |                                    |   |
| cstislddm.ksh    | Cost                 | Base Fact with compr essed table | RMS                  | cstislddm.txt        | cstislddm.schema    | COST_ITEM_SUPP_LD_DM, COST_ISL_CUR_DM | BASEFACT_UP D                        | UPDATE_L                               | \$(MMHOM E)/data /cstislddm .txt   | See the, “Compression and Partitioning” chapter for more information on compression and cur tables. |
| exchngratedm.ksh | Exchange Rates       | Base Fact with insert            | RMS                  | exchngratedm.txt     | exchngratedm.schema | EXCHNG_RATE _CRNCY_DAY_DM             | BASEFACT_INS                         | INSERT                                 | \$(MMHOM E)/data /exchngratedm.txt | Compressed program without cur table.   |
| invbllddm.ksh    | Inventory Position   | Position al Aggreg ation         |                      |                      |                     | INV_SBC_LD_DM                         | FACT_AGG_PO S                        | UPDATE_ME                              |                                    |   |
| invblwdm.ksh     | Inventory Position   | Position al Aggreg ation         |                      |                      |                     | INV_SBC_LW_DM                         | FACT_AGG_PO S                        | UPDATE_F                               |                                    |   |
| invdllddm.ksh    | Inventory Position   | Position al Aggreg ation         |                      |                      |                     | INV_DEPT_LD_DM                        | FACT_AGG_PO S                        | UPDATE_G                               |                                    |   |

| Program        | Functional Area      | Program Type                      | External Data Source | Source Table or File | Schema File     | Target File or Table             | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                    | Notes  |
|----------------|----------------------|-----------------------------------|----------------------|----------------------|-----------------|----------------------------------|------------------------------------|--------------------------------------|------------------------------|--|
| invdlwddm.ksh  | Inventory Position   | Positional Aggregation            |                      |                      |                 | INV_DEPT_LW_DM                   | FACT_AGG_PO S                      | UPDATE_F                             |                              |  |
| inviddm.ksh    | Inventory Position   | Aggregation                       |                      |                      |                 | INV_ITEM_DAY_DM                  | FACT_AGG_PO S                      | UPDATE_ME                            |                              |  |
| invilddm.ksh   | Inventory Position   | Base Fact with compressed table   | RMS                  | invilddm.txt         | invilddm.schema | INV_ITEM_LD_DM,<br>INV_IL_CUR_DM | BASEFACT_UPD                       | UPDATE_L                             | \${MMHOME}/data/invilddm.txt | See the "Compression and Partitioning" chapter for more information on compression and cur tables. Inv position cannot be back posted. |
| invilwddm.ksh  | Inventory Position   | Positional Aggregation            |                      |                      |                 | INV_ITEM_LW_DM                   | FACT_AGG_PO S                      | INSERT                               |                              |  |
| inviwddm.ksh   | Inventory Position   | Positional Aggregation            |                      |                      |                 | INV_ITEM_WK_DM                   | FACT_AGG_PO S                      | INSERT                               |                              |  |
| ivailddm.ksh   | Inventory Adjustment | Base Fact with incremental update | RMS                  | ivailddm.txt         | ivailddm.schema | INV_ADJ_ITEM_LD_DM               | BASEFACT_INC<br>R_UPD              | UPDATE                               | \${MMHOME}/data/ivailddm.txt |  |
| ivrcpblddm.ksh | Inventory Receipts   | Aggregation                       |                      |                      |                 | INV_RCPTS_SBC_LD_DM              | FACT_AGG_ST D                      | UPDATE_S                             |                              |  |

| Program         | Functional Area     | Program Type                      | External Data Source | Source Table or File | Schema File       | Target File or Table    | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                    | Notes                      |
|-----------------|---------------------|-----------------------------------|----------------------|----------------------|-------------------|-------------------------|------------------------------------|--------------------------------------|------------------------------|----------------------------|
| ivrcpblwdm.ksh  | Inventory Receipts  | Aggregation                       |                      |                      |                   | INV_RCPTS_SBC_LW_DM     | FACT_AGG_STD                       | UPDATE_FS                            |                              |                            |
| ivrcpdllddm.ksh | Inventory Receipts  | Aggregation                       |                      |                      |                   | INV_RCPTS_DEPT_LD_DM    | FACT_AGG_STD                       | UPDATE_S                             |                              |                            |
| ivrcpdlwdm.ksh  | Inventory Receipts  | Aggregation                       |                      |                      |                   | INV_RCPTS_DEPT_LW_DM    | FACT_AGG_STD                       | UPDATE_F                             |                              |                            |
| 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_FS                            |                              |                            |
| ivtdlldm.ksh    | Inventory Transfers | Aggregation                       |                      |                      |                   | INV_TSF_DEPT_LD_DM      | FACT_AGG_STD                       | UPDATE_S                             |                              |                            |
| ivtdlwdm.ksh    | Inventory Transfers | Aggregation                       |                      |                      |                   | INV_TSF_DEPT_LW_DM      | FACT_AGG_STD                       | UPDATE_F                             |                              |                            |
| ivtilddm.ksh    | Inventory Transfers | Base fact                         | RMS                  | ivtilddm.txt         | ivtilddm.schema   | INV_TSF_ITEM_LD_DM      | BASEFACT_INCR_UPD                  | UPDATE_A                             | {MMHOME}/data                |                            |

| Program        | Functional Area                                | Program Type                                | External Data Source | Source Table or File | Schema File       | Target File or Table                         | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                      | Notes  |
|----------------|--|---|----------------------|----------------------|-------------------|--|------------------------------------|--------------------------------------|--------------------------------|--|
|                |  | with incremental update                     |                      |                      |                   |  |                                    |                                      | /ivtilddm.txt                  |  |
| 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,<br>INV_UNAVL_IL_CUR_DM | BASEFACT_UPD                       | UPDATE_L                             | \${MMHOME}/data/ivuilddm.txt   | See the "Compression and Partitioning" chapter 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                            |                                |  |
| lptotclddm.ksh | Loss Prevention Totals (cashier over or short) | Base Fact with incremental update           | RMS                  | lptotclddm.txt       | lptotclddm.schema | LP_TOT_CSHR_LD_DM                            | BASEFACT_INCR_UPD                  | UPDATE_G                             | \${MMHOME}/data/lptotclddm.txt |  |

| Program         | Functional Area                              | Program Type                      | External Data Source | Source Table or File | Schema File        | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                       | Notes   |
|-----------------|--|-----------------------------------|----------------------|----------------------|--------------------|----------------------|------------------------------------|--------------------------------------|---------------------------------|---|
| lptotlddm.ksh   | Loss Prevention Totals (user defined totals) | Base Fact with incremental update | RMS                  | lptotlddm.txt        | lptotlddm.schema   | LP_TOT_LD_DM         | BASEFACT_INCREMENT_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_UPDATE                    | 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. |
| medsidm.ksh     | Media (media/selling item)                   | Base Fact with update             | See notes            | medsidm.txt          | medsidm.schema     | MEDIA_SI_DM          | BASEFACT_UPDATE                    | 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/selling item/depiction code)    | Base Fact with update             | See notes            | medsidpctdm.txt      | medsidpctdm.schema | MEDIA_SI_DPCT_DM     | BASEFACT_UPDATE                    | 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<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                      | Notes   |
|----------------|-------------------|---|----------------------|--|-------------------|--|------------------------------------|--------------------------------------|--------------------------------|---|
| mslsdlwdm.ksh  | Market Sales Data | Fact Standalone                             | See Notes            | mslsdlwdm.txt,<br>MKT_PROD_DEPT_DM,<br>TIME_WK_DM<br>/<br>MKT_AREA_LEVEL1_DM,<br>MKT_AREA_LEVEL2_DM,<br>MKT_AREA_LEVEL3_DM | mslsdlwdm.schema  | MKT_SLS_DEPT_<br>LEVEL1_W_DM,<br>MKT_SLS_DEPT_<br>LEVEL2_W_DM,<br>MKT_SLS_DEPT_<br>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 standalone                             | See notes            | mslsilwdm.txt,<br>MKT_PROD_ITEM_DM,<br>TIME_WK_DM<br>/<br>MKT_AREA_LEVEL1_DM,<br>MKT_AREA_LEVEL2_DM,<br>MKT_AREA_LEVEL3_DM | mslsilwdm.schema  | MKT_SLS_ITEM_<br>LEVEL1_W_DM,<br>MKT_SLS_ITEM_<br>LEVEL2_W_DM,<br>MKT_SLS_ITEM_<br>LEVEL3_W_DM | FACT_STANDALONE                    | UPDATE                               | \${MMHOME}/data/mslsilwdm.txt  | This program is using the fact matrix concept. Source file supplied by client.  |
| ncstuilddm.ksh | Net Cost          | Base Fact with update, for compressed table | RMS                  | ncstuilddm.txt   | ncstuilddm.schema | NET_COST_SUPP_ITEM_LD_DM,<br>NET_COST_SIL_CUR_DM   | BASEFACT_UPDATE                    | UPDATE_L                             | \${MMHOME}/data/ncstuilddm.txt | See the "Compression and Partitioning" chapter for more information on compression and cur tables. This program does not allow backposted data. |

| Program          | Functional Area     | Program Type          | External Data Source | Source Table or File  | Schema File      | Target File or Table                      | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                     | Notes  |
|------------------|---------------------|-----------------------|----------------------|---|------------------|---|------------------------------------|--------------------------------------|-------------------------------|--|
| nprftuilddm.ksh  | Profit on Base Cost | Derivation, see notes |                      | SLS_ITEM_LD_DM,<br>NET_COST_SUPP_ITEM_LD_DM,<br>PROD_ITEM_SUPP_LOC_DM,<br>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. |
| nprftuilwldm.ksh | Profit on Base Cost | Aggregation           |                      |   |                  | NET_PRFT_SUPP_ITEM_LW_DM                  | FACT_AGG_DW                        | UPDATE_F                             |                               |  |
| plcblwldm.ksh    | Planning            | Base Fact with update | MFP                  | plcblwldm.txt   | plcblwldm.schema | PLN_CURR_SBC_LW_DM                        | BASEFACT_UPDATE                    | UPDATE                               | \$(MMHOME)/data/plcblwldm.txt | .  |
| plcdlwldm.ksh    | Planning            | Aggregation           |                      |   |                  | PLN_CURR_DEPT_LW_DM                       | FACT_STANDALONE                    | UPDATE                               |                               |  |
| ploblwldm.ksh    | Planning            | Base Fact with update | MFP                  | ploblwldm.txt   | ploblwldm.schema | PLN_ORIG_SBC_LW_DM,<br>PLN_CURR_SBC_LW_DM | BASEFACT_UPDATE                    | UPDATE_L                             | \$(MMHOME)/data/ploblwldm.txt | .  |
| plodlwldm.ksh    | Planning            | Aggregation           |                      |   |                  | PLN_ORIG_DEPT_LW_DM                       | FACT_STANDALONE                    | UPDATE                               |                               |  |



| Program          | Functional Area  | Program Type                                 | External Data Source | Source Table or File | Schema File         | Target File or Table                     | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                        | Notes  |
|------------------|------------------|--|----------------------|----------------------|---------------------|--|------------------------------------|--------------------------------------|----------------------------------|--|
| prcilddm.ksh     | Pricing          | Base Fact with update, for compressed tables | RMS                  | prcilddm.txt         | prcilddm.schema     | PRICING_ITEM_LD_DM,<br>PRICING_IL_CUR_DM | BASEFACT_UPDATE                    | UPDATE_LOAD                          | \${MMHOME}/data/prcilddm.txt     | See the “Compression and Partitioning” chapter for more information on compression and cur tables. |
| prciddm.ksh      | Pricing          | Aggregation                                  |                      |                      |                     | PRICING_ITEM_DAY_DM                      | FACT_AGG_POSS                      | UPDATE_MESSAGES                      |                                  |  |
| rplcilddm.ksh    | Replacements     | Base Fact with incremental update            | RMS                  | rplcilddm.txt        | rplcilddm.schema    | RPLC_ITEM_LD_DM                          | BASEFACT_INCREMENT_UPDATE          | UPDATE                               | \${MMHOME}/data/rplcilddm.txt    |  |
| rqstactvdmdm.ksh | Customer Request | Base Fact with insert                        | See notes            | rqstactvdmdm.txt     | rqstactvdmdm.schema | RQST_ACTIV_MIN_DM                        | BASEFACT_INSERT                    | 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_INSERT                    | INSERT                               | \${MMHOME}/data/rqstctlgddm.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<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments   | Notes  |
|--------------|-----------------------|---|----------------------|---|--|---|------------------------------------|--------------------------------------|---|--|
| saviddm.ksh  | Supplier Availability | Base Fact with update for compressed tables | RMS                  | saviddm.txt                                 | saviddm.schema                                       | SUPP_AVAIL_ITEM_DAY_DM, SUPP_AVAIL_CUR_DM | BASEFACT_UPDATE                    | UPDATE_L                             | \${MMHOME}/data/saviddm.txt   | See the "Compression and Partitioning" chapter for more information on compression and cur tables.   |
| scmidddm.ksh | Supplier Compliance   | Base Fact with insert                       | See notes            | scmidlddm.txt, scmialddm.txt, scmiolddm.txt | scmidlddm.schema, scmialddm.schema, scmiolddm.schema | SCMP_RCPT_MISS_LD_DM                      | FACT_MATRIX                        | UPDATE_A                             | \${MMHOME}/data/scmidlddm.txt<br>\${MMHOME}/data/scmialddm.txt<br>\${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 (scmidlddm.txt) is supplied by the retailer. |
| scmilwdm.ksh | Supplier Compliance   | Aggregation                                 |                      |   |  | SCMP_RCPT_MISS_LW_DM                      | FACT_AGG_UPDATE                    | UPDATE_FS                            |   |  |
| scrclddm.ksh | Supplier Compliance   | Base Fact with insert                       | See notes            | scrtllddm.txt, scrqtllddm.txt, scqcddm.txt  | scrtllddm.schema, scrqtllddm.schema, scqcddm.schema  | SCMP_RCPT_ITEM_LD_DM                      | FACT_STANDALONE                    | UPDATE                               | \${MMHOME}/data/scrtllddm.txt<br>\${MMHOME}/data/scrqtllddm.txt<br>\${MMHOME}/data/scqcddm.txt  | This program joins facts supplied in three text files. Delivery timeliness (scrtllddm.txt) and delivery quantities (scrqtllddm.txt) are supplied by RMS. Quality control (scqcddm.txt) is  |

| Program         | Functional Area                | Program Type                                | External Data Source | Source Table or File                  | Schema File      | Target File or Table                          | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                     | Notes  |
|-----------------|--------------------------------|---|----------------------|---------------------------------------|------------------|---|------------------------------------|--------------------------------------|-------------------------------|--|
|                 |                                |   |                      |                                       |                  |   |                                    |                                      | /scqcdm.txt                   | 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_CNTRCT_ITEM_DAY_DM, SUPP_CNTRCT_I_CUR_DM | BASEFACT_UPD                       | UPDATE_L                             | \${MMHOME}/data/sctiddm.txt   | See the "Compression and Partitioning" chapter for more information on compression and cur tables. |
| sfcblwdm.ksh    | Sales Forecasts                | Aggregation                                 |                      | See notes on the top for aggregation. |                  | SLS_FCST_SBC_LW_DM                            | FACT_AGG_POS                       | UPDATE_GF                            |                               | This program runs weekly.  |
| 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              | Aggregation                                 |                      |                                       |                  | SLS_SBC_LGMTH_DM                              | FACT_AGG_STD                       | UPDATE_KO                            |                               | This module should not be run  |

| Program         | Functional Area                | Program Type                      | External Data Source | Source Table or File | Schema File      | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                     | Notes   |
|-----------------|--------------------------------|-----------------------------------|----------------------|----------------------|------------------|----------------------|------------------------------------|--------------------------------------|-------------------------------|---|
|                 | Transactions                   |                                   |                      |                      |                  |                      |                                    |                                      |                               | 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                            |                               |   |
| slsldddm.ksh    | Sales and Returns Transactions | Aggregation                       |                      |                      |                  | SLS_DEPT_LD_DM       | FACT_AGG_STD                       | UPDATE_S                             |                               |   |
| slsdlwdm.ksh    | Sales and Returns Transactions | Aggregation                       |                      |                      |                  | SLS_DEPT_LW_DM       | FACT_AGG_STD                       | UPDATE_F                             |                               |   |
| slsiddm.ksh     | Sales and Returns Transactions | Aggregation                       |                      |                      |                  | SLS_ITEM_DAY_DM      | FACT_STANDALONE                    | UPDATE                               |                               |   |
| 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                             | \${MMHOME}/data/slsildmdm.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. |

| Program          | Functional Area                | Program Type          | External Data Source | Source Table or File  | Schema File         | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                        | Notes  |
|------------------|--------------------------------|-----------------------|----------------------|---|---------------------|----------------------|------------------------------------|--------------------------------------|----------------------------------|--|
| slsilwldm.ksh    | Sales and Returns Transactions | Aggregation           |                      |   |                     | SLS_ITEM_LW_DM       | FACT_AGG_STD                       | UPDATE_F                             |                                  |  |
| slsilmdlddm.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                             |                                  |  |
| slsmkdndlddm.ksh | Markdowns                      | Aggregation           |                      |   |                     | SLS_MKDN_DEPT_LD_DM  | FACT_AGG_STD                       | UPDATE_S                             |                                  |  |
| slsmkdndlwdm.ksh | Markdowns                      | Aggregation           |                      |   |                     | SLS_MKDN_DEPT_LW_DW  | FACT_AGG_STD                       | UPDATE_F                             |                                  |  |
| slsmkdnilddm.ksh | Markdowns                      | Base Fact with update | RMS                  | slsmkdnilddm.txt  | slsmkdnilddm.schema | SLS_MKDN_ITEM_LD_DM  | BASEFACT_INCR_UPD                  | UPDATE_G                             | \$(MMHOME)/data/slsmkdnilddm.txt |  |
| slsmkdnilwdm.ksh | Markdowns                      | Aggregation           |                      |   |                     | SLS_MKDN_ITEM_LW_DM  | FACT_AGG_STD                       | UPDATE_FS                            |                                  |  |
| slspilddm.ksh    | Pack Sales                     | Derivation, see notes |                      | SLS_ITEM_LD_DM,<br>PRICING_ITEM_LD_DM,<br>PROD_PACK_ITEM_MTX_DM,<br>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. |

| Program           | Functional Area  | Program Type                                | External Data Source | Source Table or File | Schema File          | Target File or Table                          | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                         | Notes   |
|-------------------|------------------|---|----------------------|----------------------|----------------------|---|------------------------------------|--------------------------------------|-----------------------------------|---|
| slsprmilnlmdm.ksh | Promotion Sales  | Base Fact with incremental update           | RMS                  | slsprmilnlmdm.txt    | slsprmilnlmdm.schema | SLS_PRMTN_ITEM_LLM_DM                         | BASEFACT_INCREMENT_UPD             | UPDATE_G                             | \${MMHOME}/data/slsprmilnlmdm.txt |   |
| spaldlddm.ksh     | Space Allocation | Base Fact with update, for compressed table | See Notes            | spaldlddm.txt        | spaldlddm.schema     | SPACE_ALLOC_DEPT_LD_DM, SPACE_ALLOC_DL_CUR_DM | BASEFACT_UPDATE                    | 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_ALLOC_DEPT_LD_DM, SPACE_ALLOC_DL_CUR_DM | FACT_STANDALONE                    | UPDATE                               |                                   | This program aggregates space allocation.   |
| spalilddm.ksh     | Space Allocation | Base Fact with update, for compressed table | See notes            | spalilddm.txt        | spalilddm.schema     | SPACE_ALLOC_ITEM_LD_DM, SPACE_ALLOC_IL_CUR_DM | BASEFACT_UPDATE                    | UPDATE_L                             | \${MMHOME}/data/spalilddm.txt     | Space allocation item source data supplied by the client. This program allows backposted data to process to compressed table.   |
| stlblwdm.ksh      | Stock            | Base fact                                   | RMS                  | stlblwdm.txt         | stlblwdm.s           | INV_VAL_SBC_                                  | BASEFACT_UPDATE                    | UPDATE_ME                            | \${MMHOME}/data                   | This program runs   |

| Program       | Functional Area                     | Program Type                      | External Data Source | Source Table or File | Schema File      | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                     | Notes   |
|---------------|-------------------------------------|-----------------------------------|----------------------|----------------------|------------------|----------------------|------------------------------------|--------------------------------------|-------------------------------|---|
|               | Ledger                              | with update                       |                      |                      | chema            | LW_DM                | D                                  |                                      | /stblwldm.txt                 | weekly.   |
| stblmthdm.ksh | Stock Ledger                        | Base fact with update             | RMS                  | stblmthdm.txt        | stblmthdm.schema | INV_VAL_SBC_LMTH_DM  | BASEFACT_UPDATE                    |                                      | \${MMHOME}/data/stblmthdm.txt | If 454 time alone is loaded, this module runs once a week.<br>If Gregorian time is loaded, this module runs once a month. |
| stflddm.ksh   | Store Traffic                       | Base Fact                         | See notes            | stflddm.txt          | stflddm.schema   | STORE_TRAFLD_DM      | BASEFACT_UPDATE                    |                                      | \${MMHOME}/data/stflddm.txt   | Source file supplied by client.   |
| tsilddm.ksh   | Sales productivity                  | Aggregation                       |                      |                      |                  | SLS_LD_DM            | FACT_AGG_QD                        | UPDATE_FS                            |                               |   |
| tsildqdm.ksh  | Sales productivity                  | Aggregation                       |                      |                      |                  | SLS_LQ_DM            | FACT_AGG_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_UPDATE               | UPDATE_G                             | \${MMHOME}/data/ttldmdm.txt   |   |
| ttldqdm.ksh   | Tender Transaction(Loss Prevention) | Aggregation                       |                      |                      |                  | TNDR_TRAN_LQ_DM      | FACT_AGG_UPDATE                    | UPDATE_MS                            |                               |   |

| Program          | Functional Area    | Program Type                              | External Data Source | Source Table or File | Schema File         | Target File or Table | Program_Control<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                         | Notes  |
|------------------|--------------------|---|----------------------|----------------------|---------------------|----------------------|------------------------------------|--------------------------------------|-----------------------------------|--|
| vchreschddm.ksh  | Escheated Vouchers | Base Fact with incremental update         | RMS                  | vchreschlddm.txt     | vchreschlddm.schema | VCHR_ESCH_DAY_DM     | BASEFACT_INCREMENT_UPD             | UPDATE                               | \${MMHOMES}/data/vchreschlddm.txt |  |
| vchrmovelddm.ksh | Voucher Movement   | Base Fact aggregated from a staging table |                      |                      |                     | VCHR_MOVE_LD_DM      | FACT_AGGSTD                        | UPDATE_F                             |                                   |  |
| vchrmoveldsg.ksh | Voucher Movement   | Staging Table                             | RMS                  | vchrmoveldsg.txt     | vchrmoveldsg.schema | VCHR_MOVE_LD_SG      | FACT_MATRIX                        | UPDATE                               | \${MMHOMES}/vchrmovelddm.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<br>DM.program_type | Program_Control<br>DM.operation_type | Arguments                       | 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    |                           |
| Wfslsmkdnildm.ksh | Wholesale/franchise markdown sales | Base Fact with incremental update | RMS                  | Wfslsmkdnildm.txt    | Wfslsmkdnildm.schema | WF_SLS_MKDN_ITEM_LD_DM | BASEFACT_INCR_UPD                  | UPDATE_G                             | \$MMHOME/data/wfslsmkdnildm.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,<br>INV_UNAVL_IL_CUR_DM,<br>COST_ISL_CUR_DM,<br>SPACE_ALLOC_IL_CUR_DM,<br>SPACE_ALLOC_DL_CUR_DM,<br>NET_COST_SIL_CUR_DM,<br>CMPTR_PRICING_IL_CUR_DM,<br>SUPP_AVAIL_I_CUR_DM,<br>SUPP_CNTRCT_I_CUR_DM,<br>PRICING_IL_CUR_DM,<br>INVSBC_LW_DM,<br>PROD_ITEM_RECLASS_DM<br>PROD_DEPT_RECLASS_DM<br>S_DM<br>ORG_LOC_RECLASS_DM |             | INV_ITEM_LD_DM,<br>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<br>SUPP_AVAIL_ITEM_DAY_DM<br>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,<br>INV_UNAVL_IL_CUR_DM,<br>COST_ISL_CUR_DM,<br>SPACE_ALLOC_IL_CUR_DM,<br>SPACE_ALLOC_DL_CUR_DM,<br>NET_COST_SIL_CUR_DM,<br>CMPTR_PRICING_IL_CUR_DM,<br>SUPP_AVAIL_I_CUR_DM,<br>SUPP_CNTRCT_I_CUR_DM,<br>PRICING_IL_CUR_DM,<br>PROD_ITEM_RECLASS_DM,<br>PROD_DEPT_RECLASS_DM,<br>ORG_LOC_RECLASS_DM |             | INV_ITEM_LW_DM,<br>INV_ITEM_LD_DM,<br>INV_UNAVL_ITEM_LD_DM,<br>COST_ITEM_SUPP_LD_DM,<br>SPACE_ALLOC_ITEM_LD_DM,<br>CMPTR_PRICING_ITEM_LD_DM,<br>PRICING_ITEM_LD_DM,<br>NET_COST_SUPP_ITEM_LD_DM,<br>SUPP_CNTRCT_ITEM_DAY_DM,<br>SPACE_ALLOC_DEPT_LD_DM,<br>INV_IL_CUR_DM,<br>INV_UNAVL_IL_CUR_DM,<br>COST_ISL_CUR_DM,<br>SPACE_ALLOC_IL_CUR_DM,<br>SPACE_ALLOC_DL_CUR_DM,<br>NET_COST_SIL_CUR_DM,<br>CMPTR_PRICING_IL_CUR_DM,<br>SUPP_AVAIL_I_CUR_DM,<br>SUPP_CNTRCT_I_CUR_DM,<br>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<br>m.ksh | Pre-Batch<br>Maintenance | Maintenance  |                      | PROD_ITEM_RECLASS<br>-<br>DM,<br>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   |
|---------------|----------------------|--|----------------------|---------------------------|------------------------------|-----------------------|-----------|---|
| medlfl_dm.ksh | Media Transformation | Ad hoc<br><br>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,<br>TIME_DAY_DM,<br>TIME_WK_DM |             | datekey.txt,<br>nextdatekey.txt,<br>curridayidnt.txt,<br>nextdayidnt.txt,<br>currwkidnt.txt,<br>wkenddt.txt,<br>nextwkidnt.txt<br>mthidnt.txt,<br>MAINT_LOAD_DT_DM,<br>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 data mart table | table_name<br>cur_table_name<br>table_level | For partitioned, compressed data marts, 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<br>PROD_SEASN_ITEM_MTX_DM<br>INV_UNAVL_IL_CUR_DM, INV_IL_CUR_DM |             | INV_UNAVL_ITEM_LD_DM,<br>INV_UNAVL_IL_CUR_DM,<br>INV_IL_CUR_DM,<br>INV_ITEM_LD_DM,<br>INV_ITEM_LW_DM |           | When an item crosses from one product season to another, a new prod_seasn_key is associated with the item_key. This change needs to be reflected in compressed facts that contain prod_seasn_key, namely Inventory Position. Seasnpendm maintains the inventory position data mart 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\_lkup\_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> | INSERT (the same as UPDATE)<br>UPDATE<br>UPDATE_L | Both temporary tables will be dropped in dim_top_ksh.<br><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**

| Program Type  | Program Type Description  | Operation Type | Operation Type Description   |
|---------------|---|----------------|--|
| 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         | Both temporary tables will be dropped in dim_top_delta.ksh.  |
|               |   | UPDATE_D       | <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**

| Program Type       | Program Type Description  | Operation Type | Operation Type Description                                  |
|--------------------|---|----------------|---|
| 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> | UPDATE_D<br><br>UPDATE_DL | <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**

| Program Type | Program Type Description  | Operation Type         | Operation Type Description   |
|--------------|---|------------------------|--|
| 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> | UPDATE<br><br>UPDATE_D | <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\_LOW**

| Program Type | Program Type Description  | Operation Type | Operation Type Description   |
|--------------|---|----------------|--|
| DIM_LOW      | <ul style="list-style-type: none"> <li>Used for dimension programs at the lower level of the hierarchy, which have surrogate keys for all dimensional identifiers and all maintenance columns.</li> <li>Records are joined with parental tables to populate the parental information.</li> <li>Inserts and major changed 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, major changes deletes and minor changes are treated as updated records; therefore, some maintenance fields are updated before being inserted into the 'update' temporary table.</li> <li>A reclass temporary table might be created to keep all major changed records if defined in the program. This temporary table will be used by maintenance programs later.</li> </ul> | UPDATE         | The dim_low.ksh library will handle all the processes.   |
|              |   | UPDATE_L       | <ul style="list-style-type: none"> <li>Both temporary tables will be kept around for the program itself so that the program can perform more processing.</li> <li>The program will manually update program status to 'completed.'</li> </ul> |

**DIM\_MTX**

| Program Type | Program Type Description   | Operation Type | Operation Type Description  |
|--------------|--|----------------|---|
| 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**

| Program Type | Program Type Description   | Operation Type | Operation Type Description   |
|--------------|--|----------------|--|
| 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**

| Program Type      | Program Type Description  | Operation Type | Operation Type Description  |
|-------------------|---|----------------|---|
| 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>  |

**FACT\_AGG\_STD**

| Program Type | Program Type Description  | Operation Type                      | Operation Type Description  |
|--------------|---|-------------------------------------|---|
| FACT_AGG_STD | <ul style="list-style-type: none"> <li>Used for programs that aggregate from a lower level to a higher level in the time and product hierarchy.</li> <li>The base temporary table has been created to hold the current day's new or changed data.</li> <li>The aggregation temporary table is created to hold the current day's aggregated data.</li> <li>The second temporary table is created to hold the target table joined with the aggregation temporary table. This contains the target table records that need to be re-aggregated because data has been changed on and/or inserted into the base temporary table today.</li> </ul> | UPDATE<br>(UPDATE or UPDATE_S)      | <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 previous programs in the aggregation flow will be kept around for another program in the flow.</li> <li>The temporary table from the current program will be kept around for another program in the scheduling flow.</li> </ul> |
|              |   | UPDATE_F<br>(UPDATE_F or UPDATE_FS) | <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 dropped.</li> <li>The temporary table from the current program will be dropped.</li> </ul>   |
|              |   | UPDATE_M<br>(UPDATE_M or UPDATE_MS) | <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 dropped.</li> <li>The temporary table from the current program will be kept around for another program later in the flow.</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<br>(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<br>(UPDATE_F or<br>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**

| Program type | Program type description  | Operation type                 | Operation type description   |
|--------------|---|--------------------------------|--|
| 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<br>(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**

| Program Type | Program Type Description  | Operation Type                 | Operation Type Description   |
|--------------|---|--------------------------------|--|
| 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<br>(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<br>(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**

| Program Type    | Program Type Description  | Operation Type | Operation Type Description   |
|-----------------|---|----------------|--|
| 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**

| Program Type | Program Type Description   | Operation Type | Operation Type Description  |
|--------------|--|----------------|---|
| 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 warrant 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 data mart 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.

| Name             | Description   | Data Type/Bytes | Field order | Required field |
|------------------|---|-----------------|-------------|----------------|
| 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 |
|---------------------------|--|-----------------|-------------|----------------|
| CMPTR_LOC_IDNT            | The unique identifier of the competitor location | CHARACTER(10)   | 1           | Yes            |
| CMPTR_IDNT                | The unique identifier of the competitor          | CHARACTER(10)   | 2           | Yes            |
| CMPTR_LOC_DESC            | The competitor store description                 | CHARACTER(160)  | 3           | No             |
| CMPTR_LOC_ADDR            | The competitor store's address                   | CHARACTER(72)   | 4           | No             |
| CMPTR_LOC_CITY_NAME       | The competitor store city                        | CHARACTER(120)  | 5           | No             |
| CMPTR_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            |

**cmptrprcilddm.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             |

**coeopilddm.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.                     | CHARACTER(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_DLVR_Y_AMT          | The shipping and handling charge applied to the entire customer order in primary currency.               | NUMBER(18,4)    | 13          | No             |
| F_DLVR_Y_AMT_LCL      | The shipping and handling charge applied to the entire customer order in local currency.                 | NUMBER(18,4)    | 14          | No             |
| F_RTRN_DLVR_Y_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_DLVR_Y_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             |

**coilnlldm.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.

| 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 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_DLVRY_AMT            | The additional shipping and handling charge applied to the order line, in primary currency.                         | NUMBER(18,4)    | 41          | No             |
| F_ADDL_DLVRY_AMT_LCL        | The additional shipping and handling charge applied to the order line, in local currency.                           | NUMBER(18,4)    | 42          | No             |
| F_CNCL_ADDL_DLVRY_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_DLVRY_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<br>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<br>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<br>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_<br>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_PRVNC_CDE | The code of the state or province this order line is shipped to.  | CHARACTER(30)   | 14          | Yes            |
| CO_SHIP_TO_CNTRY_CDE       | 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             |

| Name                              | Description   | Data Type/Bytes | Field Order | Required Field |
|-----------------------------------|---|-----------------|-------------|----------------|
| F_CNCL_PRMTN_L_DSCN<br>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<br>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<br>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<br>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<br>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             |



| Name                    | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------|--|-----------------|-------------|----------------|
| 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             |

**coprmilnlddm.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, prmt\_n\_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\_prmt\_n\_dscnt\_amt and f\_prmt\_n\_dscnt\_amt\_lcl must be populated (f\_prmt\_n\_l\_dscnt\_amt and f\_prmt\_n\_l\_dscnt\_amt\_lcl will not be populated). If the promotion is at the order line level, column f\_prmt\_n\_l\_dscnt\_amt and f\_prmt\_n\_l\_dscnt\_amt\_lcl must be populated, and column f\_prmt\_n\_dscnt\_amt and f\_prmt\_n\_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\_prmt\_n\_dscnt\_amt, f\_prmt\_n\_dscnt\_amt\_lcl, f\_prmt\_n\_l\_dscnt\_amt, f\_prmt\_n\_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<br>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             |

**cortrnlnlldm.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_DLVR_Y_AMT   | The total shipping and handling charge refunded to customers, in primary currency.   | NUMBER(18, 4)   | 20          | No             |
| F_RFND_DLVR_Y_AMT_L | 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_DSCN T_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_DSCN T_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_A MT       | 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_A MT_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_A M T         | The amount taken off from the original merchandise tax due to returns, in primary currency.  | NUMBER(18, 4)   | 30          | No             |

| Name                         | Description   | Data Type/Bytes | Field Order | Required Field |
|------------------------------|---|-----------------|-------------|----------------|
| 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_PRV NC_CDE  | The customer order ship-to state or province code.        | CHARACTER(3)    | 3           | Yes            |
| CO_SHIP_TO_ST_OR_PRV NC_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            |

**cosvclliddm.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             |

**crncyddm.txt**

Business rules:

- This interface file contains currency code information.
- This interface file cannot contain duplicate records for a crncy\_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            |

| Name         | Description                  | Data Type/Bytes | Field Order | Required Field |
|--------------|------------------------------|-----------------|-------------|----------------|
| CARRIER_DESC | Description for the carrier. | CHARACTER(1 20) | 2           | 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             |

**csrdm.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.

| Name            | Description   | Data Type/Bytes | Field Order | Required Field |
|-----------------|---|-----------------|-------------|----------------|
| 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            |

**custclstrmdm.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             |

| Name                | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------------|--|-----------------|-------------|----------------|
| 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.

| Name      | Description  | Data Type/Bytes | Field Order | Required Field |
|-----------|--|-----------------|-------------|----------------|
| 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.

| Name       | Description   | Data Type/Bytes | Field order | Required field |
|------------|---|-----------------|-------------|----------------|
| 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             |

| Name                     | Description   | Data Type/Bytes | Field order | Required field |
|--------------------------|---|-----------------|-------------|----------------|
| 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             |



| Name                 | Description   | Data Type/Bytes | Field order | Required field |
|----------------------|---|-----------------|-------------|----------------|
| 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.

| 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            |
| 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            |

**ivrcpildm.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             |

**ivrilddm.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             |

| Name                          | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|--|-----------------|-------------|----------------|
| 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.

| 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_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            |

**lptldmdm.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            |

| Name                | Description   | Data Type/Bytes | Field Order | Required Field |
|---------------------|---|-----------------|-------------|----------------|
| 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             |

**mdepdm.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             |

| Name                      | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------------------|--|-----------------|-------------|----------------|
| 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_DLVRY_AMT     | The additional domestic delivery charge associated to the item in the media, in primary currency.      | NUMBER(18,4)    | 8           | No             |
| F_ADDL_DMSTC_DLVRY_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_DLVRY_AMT      | The additional international delivery charge associated to the item in the media, in primary currency. | NUMBER(18,4)    | 10          | No             |
| F_ADDL_INTL_DLVRY_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.

| Name              | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------|--|-----------------|-------------|----------------|
| 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<br>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            |

**mslsdlwdm.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_RECD_CURR_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_MMACV_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_RECD_CURR_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             |
| F_MKT_AVG_MMACV_SL_S_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_L_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             |

**ncstuiddm.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.

| 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            |
| 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 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             |

| Name                             | Description  | Data Type/Bytes | Field Order | Required Field |
|----------------------------------|--|-----------------|-------------|----------------|
| F_SUPP_DEAD_NET_COST<br>_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_CDE | 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_DISTANCE | 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_DESC | The description or name of the state or province in which the store or warehouse is located.              | CHARACTER(120)  | 52          | No             |
| LOC_TRNSFR_ZNE_DESC  | 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_DESC   | 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_CDE | 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_ZNE_DESC  | The description or name of the transfer zone code of this location. Only valid for the store locations.   | CHARACTER(120)  | 51          | No             |

| Name               | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------|--|-----------------|-------------|----------------|
| LOC_PRMTN_ZNE_DESC | 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.

| 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_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.

| Name          | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------|--|-----------------|-------------|----------------|
| 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.

| Name           | Description                            | Data Type/Bytes | Field Order | Required Field |
|----------------|--|-----------------|-------------|----------------|
| 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.

| Name                     | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------|---|-----------------|-------------|----------------|
| 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<br>DN_AMT  | The current plan clearance markdown amount.   | NUMBER(18,4)    | 14          | No             |
| F_PLN_CURR_PRMTN_M<br>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<br>_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<br>_AMT   | The current plan beginning inventory cost amount  | NUMBER(18,4)    | 19          | No             |
| F_PLN_CURR_BOP_RTL_<br>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<br>_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_<br>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<br>Y      | The current plan quantity of goods to be received in stock.   | NUMBER(12,4)    | 24          | No             |
| F_PLN_CURR_RCPTS_CO<br>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<br>_AMT  | The current plan retail of planned quantity of goods to be received in stock.   | NUMBER(18,4)    | 26          | No             |

| Name                           | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|--|-----------------|-------------|----------------|
| 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<br>LD_COST_AMT | The current plan on order cancel cost amount.  | NUMBER(18,4)    | 42          | No             |
| F_PLN_CURR_ORD_COST<br>_AMT        | The current plan cost of goods that have been ordered but not received.  | NUMBER(18,4)    | 43          | No             |
| F_PLN_CURR_CMTS_COS<br>T_AMT       | The current plan cost amount of commitments made to suppliers.   | NUMBER(18,4)    | 44          | No             |
| F_PLN_CURR_CUM_MKU<br>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<br>T            | The current plan cost of goods sold amount   | NUMBER(18,4)    | 48          | No             |
| F_PLN_CURR_EXCL_<br>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<br>C_AMT      | The current plan employee discount at retail.  | NUMBER(18,4)    | 50          | No             |
| F_PLN_CURR_FRGHT_CO<br>ST_AMT      | The current plan freight cost amount.  | NUMBER(18,4)    | 51          | No             |
| F_PLN_CURR_WRKRM_C<br>OST_AMT      | The current plan workroom cost amount.   | NUMBER(18,4)    | 52          | No             |
| F_PLN_CURR_RTRNS_SLS<br>_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\_seasn\_idnt.
- This interface file follows the dimension flat file interface layout standard.

| Name               | Description                              | Data Type/Bytes | Field Order | Required Field |
|--------------------|--|-----------------|-------------|----------------|
| 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, sbclass\_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.

| Name                    | Description   | Data Type/Bytes | Field Order | Required Field |
|-------------------------|---|-----------------|-------------|----------------|
| 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_MKD_N_AMT | The original plan regular markdown amount.   | NUMBER(18,4)    | 13          | No             |
| F_PLN_ORIG_CLRC_MKD_N_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_RTL_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_RTL_AMT        | The original plan retail amount of commitments made to suppliers.   | NUMBER(18,4)    | 24          | No             |
| F_PLN_ORIG_ORD_CNCL_LD_RTL_AMT | The original plan on order cancel retail amount.  | NUMBER(18,4)    | 25          | No             |
| F_PLN_ORIG_ORD_RTL_AMT         | The original plan retail of goods that have been ordered but not received.                                    | NUMBER(18,4)    | 26          | No             |
| F_PLN_ORIG_RECL_IN_RTL_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_RTL_AMT    | The original plan retail amount of inventory transferred out as a result of reclassification.                 | NUMBER(18,4)    | 28          | No             |
| F_PLN_ORIG_RTV_RTL_AMT         | 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_CNCL_LD_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_QTY         | 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_WKRM_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             |

**prdcldsmd.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             |

**prddepdm.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             |



| Name                | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------------|--|-----------------|-------------|----------------|
| 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.

| Name          | Description   | Data Type/Bytes | Field Order | Required Field |
|---------------|---|-----------------|-------------|----------------|
| 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 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             |

**prdisdm.txt**

## Business rules

- This interface file contains records tracking level items that have a primary supplier.
- 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 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            |

**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             |
| 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.

| Name        | Description   | Data Type/Bytes | Field Order | Required Field |
|-------------|---|-----------------|-------------|----------------|
| 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            |



| Name                 | Description  | Data Type/Bytes | Field Order | Required Field |
|----------------------|--|-----------------|-------------|----------------|
| 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             |

| Name           | Description   | Data Type/Bytes | Field Order | Required Field |
|----------------|---|-----------------|-------------|----------------|
| 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 |
|---------------|---|-----------------|-------------|----------------|
| ITEMLIST_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            |
| ITEMLIST_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 |
|---------------|--|-----------------|-------------|----------------|
| ITEMLIST_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             |



| Name                  | Description  | Data Type/Bytes | Field Order | Required Field |
|-----------------------|--|-----------------|-------------|----------------|
| 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:<br>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            |

**rplcildm.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            |
| 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.

| Name                | Description   | Data Type/Bytes | Field Order | Required Field |
|---------------------|---|-----------------|-------------|----------------|
| 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             |

**scmialddm.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             |

**scmidlddm.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             |

**scqcqdm.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             |

**scrqtllddm.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_UNSCHD_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.

| Name                    | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------|--|-----------------|-------------|----------------|
| 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            |

| Name                     | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------|---|-----------------|-------------|----------------|
| 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             |

| Name                    | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------|--|-----------------|-------------|----------------|
| 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_EMPTY_DISC_AMT      | The total employee retail discount amount in primary currency for sales transactions                        | NUMBER (18,4)   | 52          | No             |
| F_SLS_EMPTY_DISC_AMT_LCL  | The total employee retail discount amount in local currency for sales transactions                          | NUMBER (18,4)   | 53          | No             |
| F_RTRN_EMPTY_DISC_AMT     | The total employee retail discount amount in primary currency for return transactions                       | NUMBER (18,4)   | 54          | No             |
| F_RTRN_EMPTY_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             |

**sismkdnilddm.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 an 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             |

| Name                | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------------|--|-----------------|-------------|----------------|
| 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            |



| Name                 | Description  | Data Type/Bytes | Field Order | Required Field |
|----------------------|--|-----------------|-------------|----------------|
| 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.

| 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            |
| 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 an 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 item (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             |

**start\_of\_half\_month.txt**

- This file contains the start of the half month information which is required for loading the Gregorian time calendar.
- If RMS is not used as a source for RDW, then this file should be manually created by the client for loading Gregorian time calendar.

| Name               | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------|--|-----------------|-------------|----------------|
| START_OF_HALF_MNTH | This is the month number of the first month of the first half of any year. The month number must be from -12 to 12, excluding 0 and -1. A negative number indicates that the first half of a year starts in the previous year with -2 = February, -3 = March etc. A positive number corresponds to the normal calendar month number. | CHARACTER (2)   | 1           | Yes            |

**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            |

| Name                           | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|---|-----------------|-------------|----------------|
| 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<br>MT     | The beginning of period stock on hand total cost, in primary currency   | NUMBER (18,4)   | 7           | N              |
| F_IVL_BEG_SOH_COST_A<br>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<br>T      | The beginning of period stock on hand total retail, in primary currency | NUMBER (18,4)   | 9           | N              |
| F_IVL_BEG_SOH_RTL_AM<br>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<br>MT     | The value at cost of stock on hand adjustments, in primary currency.    | NUMBER (18,4)   | 11          | N              |
| F_IVL_SOH_ADJ_COST_A<br>MT_LCL | The value at cost of stock on hand adjustments, in local currency.      | NUMBER (18,4)   | 12          | N              |
| F_IVL_SOH_ADJ_RTL_AM<br>T      | The value at retail of stock on hand adjustments, in primary currency   | NUMBER (18,4)   | 13          | N              |
| F_IVL_SOH_ADJ_RTL_AM<br>T_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              |

| Name                      | Description   | Data Type/Bytes | Field Order | Required Field |
|---------------------------|---|-----------------|-------------|----------------|
| 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              |
| 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              |



| Name                           | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|---|-----------------|-------------|----------------|
| F_IVL_TSF_OUT_COST_A<br>MT     | The value at cost of inventory transferred out, in primary currency                             | NUMBER (18,4)   | 27          | N              |
| F_IVL_TSF_OUT_COST_A<br>MT_LCL | The value at cost of inventory transferred out, in local currency                               | NUMBER (18,4)   | 28          | N              |
| F_IVL_TSF_OUT_RTL_AM<br>T      | The value at retail of inventory transferred out, in primary currency                           | NUMBER (18,4)   | 29          | N              |
| F_IVL_TSF_OUT_RTL_AM<br>T_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_<br>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              |
| F_IVL_SHRK_RTL_AMT_<br>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_AM<br>T       | The value at cost of inventory returned from sales, in primary currency                         | NUMBER (18,4)   | 35          | N              |
| F_IVL_RTRNS_COST_AM<br>T_LCL   | The value at cost of inventory returned from sales, in local currency                           | NUMBER (18,4)   | 36          | N              |

| 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          | 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              |
| F_IVL_RECLASS_OUT_COST_AMT     | The value at cost of inventory reclassified from this location, in primary currency   | NUMBER (18,4)   | 43          | N              |
| F_IVL_RECLASS_OUT_COST_AMT_LCL | The value at cost of inventory reclassified from this location, in local currency     | NUMBER (18,4)   | 44          | N              |
| F_IVL_RECLASS_OUT_RTL_AMT      | The value at retail of inventory reclassified from this location, in primary currency | NUMBER (18,4)   | 45          | N              |
| F_IVL_RECLASS_OUT_RTL_AMT_LCL  | The value at retail of inventory reclassified from this location, in local currency   | NUMBER (18,4)   | 46          | N              |

| Name                       | Description  | Data Type/Bytes | Field Order | Required Field |
|----------------------------|--|-----------------|-------------|----------------|
| 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_LCL     | 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_LCL      | The value at retail of inventory sold, in local currency.          | NUMBER (18,4)   | 50          | N              |
| F_IVL_END_SOH_COST_AMT     | The end of period stock on hand total cost, in primary currency.   | NUMBER (18,4)   | 51          | N              |
| F_IVL_END_SOH_COST_AMT_LCL | The end of period stock on hand total cost, in local currency      | NUMBER (18,4)   | 52          | N              |
| F_IVL_END_SOH_RTL_AMT      | The end of period stock on hand total retail, in primary currency. | NUMBER (18,4)   | 53          | N              |
| F_IVL_END_SOH_RTL_AMT_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_LCL     | 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              |

| Name                          | Description   | Data Type/Bytes  | Field Order | Required Field |
|-------------------------------|---|------------------|-------------|----------------|
| F_IVL_MKUP_CNCLLD_A<br>MT     | The value of corrections to a upward revisions in price, in primary currency.                                   | NUMBER<br>(18,4) | 60          | N              |
| F_IVL_MKUP_CNCLLD_A<br>MT_LCL | The value of corrections to a upward revisions in price, in local currency.                                     | NUMBER<br>(18,4) | 61          | N              |
| F_IVL_MKDN_CNCLLD_<br>AMT     | The value of markdown cancellation to correct an unintentional error in a previous markup, in local currency.   | NUMBER<br>(18,4) | 62          | N              |
| F_IVL_MKDN_CNCLLD_<br>AMT_LCL | The value of markdown cancellation to correct an unintentional error in a previous markup, in primary currency. | NUMBER<br>(18,4) | 63          | N              |
| F_IVL_PERM_MKDN_AM<br>T       | The value of permanent reduction in price, in primary currency.   | NUMBER<br>(18,4) | 64          | N              |
| F_IVL_PERM_MKDN_AM<br>T_LCL   | The value of permanent reduction in price, in local currency.   | NUMBER<br>(18,4) | 65          | N              |
| F_IVL_PRMTN_MKDN_A<br>MT      | The value of promotion reductions of the price, in primary currency.  | NUMBER<br>(18,4) | 66          | N              |
| F_IVL_PRMTN_MKDN_A<br>MT_LCL  | The value of promotion reductions of the price, in local currency.  | NUMBER<br>(18,4) | 67          | N              |
| F_IVL_CLRC_MKDN_AM<br>T       | The value of clearance reductions of the price, in primary currency.  | NUMBER<br>(18,4) | 68          | N              |

| Name                     | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------|---|-----------------|-------------|----------------|
| 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              |
| 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              |

| Name                           | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|--|-----------------|-------------|----------------|
| 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              |
| F_IVL_FRGHT_CLAIM_COST_AMT     | The value at cost of freight claim, in primary currency.   | NUMBER (18,4)   | 87          | N              |
| F_IVL_FRGHT_CLAIM_COST_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_AMT        | The value at retail of inventory transferred in for intercompany transfers, in primary currency. | NUMBER (18,4)   | 91          | N              |

| Name                          | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|--|-----------------|-------------|----------------|
| 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)   | 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              |
| 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              |

| Name                              | Description  | Data Type/Bytes  | Field Order | Required Field |
|-----------------------------------|--|------------------|-------------|----------------|
| F_IVL_IC_MKDN_RTL_A<br>MT_LCL     | The markdown at retail of merchandise transferred out for intercompany transfers, in local currency.                               | NUMBER<br>(18,4) | 100         | N              |
| F_IVL_IC_MKUP_RTL_AM<br>T         | The markup at retail of merchandise transferred out for intercompany transfers, in primary currency.                               | NUMBER<br>(18,4) | 101         | N              |
| F_IVL_IC_MKUP_RTL_AM<br>T_LCL     | The markup at retail of merchandise transferred out for intercompany transfers, in local currency.                                 | NUMBER<br>(18,4) | 102         | N              |
| F_IVL_WO_UPD_INV_CO<br>ST_AMT     | The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in primary currency.  | NUMBER<br>(18,4) | 103         | N              |
| F_IVL_WO_UPD_INV_CO<br>ST_AMT_LCL | The value at cost of merchandise required work order activity, update inventory, for intercompany transfers, in local currency.    | NUMBER<br>(18,4) | 104         | N              |
| F_IVL_WO_POST_FIN_CO<br>ST_AMT    | The value at cost of merchandise required work order activity, post to financial, for intercompany transfers, in primary currency. | NUMBER<br>(18,4) | 105         | N              |



| Name                           | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|--|-----------------|-------------|----------------|
| 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)   | 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_AMT         | The value at retail of stock adjustments that affect COGS, in primary currency.  | NUMBER (18,4)   | 109         | N              |
| F_IVL_ADJ_COGS_RTL_AMT_LCL     | The value at retail of stock adjustments that affect COGS, in local currency.  | NUMBER (18,4)   | 110         | N              |
| F_IVL_RESTOCK_FEE_AMT          | The value at cost of restocking fees received, in primary currency.  | NUMBER (18,4)   | 111         | N              |
| 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              |

| Name                          | Description   | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|---|-----------------|-------------|----------------|
| 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              |
| F_IVL_RTL_COST_VAR_AMT        | The cost variance using retail based accounting, in primary currency.   | NUMBER (18,4)   | 119         | N              |
| F_IVL_RTL_COST_VAR_AMT_LCL    | The cost variance using retail based accounting, in local currency.   | NUMBER (18,4)   | 120         | N              |
| F_IVL_MARGIN_COST_VAR_AMT     | The cost variance using cost based accounting, in primary currency.   | NUMBER (18,4)   | 121         | N              |
| F_IVL_MARGIN_COST_VAR_AMT_LCL | The cost variance using cost based accounting, in local currency.   | NUMBER (18,4)   | 122         | N              |
| F_IVL_UP_CHRG_PRFT_AMT        | The value of profit up charge costs incurred, in primary currency.  | NUMBER (18,4)   | 123         | N              |

| Name                              | Description   | Data Type/Bytes  | Field Order | Required Field |
|-----------------------------------|---|------------------|-------------|----------------|
| F_IVL_UP_CHRG_PRFT_A<br>MT_LCL    | The value of expense up charge costs incurred, in primary currency.                           | NUMBER<br>(18,4) | 124         | N              |
| F_IVL_UP_CHRG_EXP_A<br>MT         | The value of expense up charge costs incurred, in primary currency.                           | NUMBER<br>(18,4) | 125         | N              |
| F_IVL_UP_CHRG_EXP_A<br>MT_LCL     | The value of expense up charge costs incurred, in local currency.                             | NUMBER<br>(18,4) | 126         | N              |
| F_IVL_TSF_IN_BK_COST_<br>AMT      | The value at cost of inventory transferred in through a book transfer, in primary currency.   | NUMBER<br>(18,4) | 127         | N              |
| F_IVL_TSF_IN_BK_COST_<br>AMT_LCL  | The value at cost of inventory transferred in through a book transfer, in local currency.     | NUMBER<br>(18,4) | 128         | N              |
| F_IVL_TSF_IN_BK_RTL_A<br>MT       | The value at retail of inventory transferred in through a book transfer, in primary currency. | NUMBER<br>(18,4) | 129         | N              |
| F_IVL_TSF_IN_BK_RTL_A<br>MT_LCL   | The value at retail of inventory transferred in through a book transfer, in local currency.   | NUMBER<br>(18,4) | 130         | N              |
| F_IVL_TSF_OUT_BK_COS<br>T_AMT     | The value at cost of inventory transferred out through a book transfer, in primary currency.  | NUMBER<br>(18,4) | 131         | N              |
| F_IVL_TSF_OUT_BK_COS<br>T_AMT_LCL | The value at cost of inventory transferred out through a book transfer, in local currency.    | NUMBER<br>(18,4) | 132         | N              |

| Name                         | Description   | Data Type/Bytes | Field Order | Required Field |
|------------------------------|---|-----------------|-------------|----------------|
| 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              |
| 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              |

| Name                         | Description   | Data Type/Bytes | Field Order | Required Field |
|------------------------------|---|-----------------|-------------|----------------|
| 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_AMT        | 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              |
| 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_AMT       | 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_AMT_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              |

| Name                          | Description   | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|---|-----------------|-------------|----------------|
| F_IVL_BK_STOCK_RTL_AMT        | The value at retail of book stock, in primary currency.   | NUMBER (18,4)   | 143         | N              |
| F_IVL_BK_STOCK_RTL_AMT_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              |
| 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            |
| 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             |

| Name                       | Description   | Data Type/Bytes | Field Order | Required Field |
|----------------------------|---|-----------------|-------------|----------------|
| 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             |
| 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             |



| Name                           | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|---|-----------------|-------------|----------------|
| F_IVL_SHRK_COST_AMT_L          | 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             |
| 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             |

| Name                          | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|--|-----------------|-------------|----------------|
| 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             |
| 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             |

| Name                      | Description   | Data Type/Bytes | Field Order | Required Field |
|---------------------------|---|-----------------|-------------|----------------|
| F_IVL_ADJ_STOCK_RT_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             |
| 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             |

| Name                           | Description   | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|---|-----------------|-------------|----------------|
| 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             |
| 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             |

| Name                          | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|--|-----------------|-------------|----------------|
| 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             |
| F_IVL_IC_TSF_OUT_COST_AMT     | 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_AMT_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_AMT      | 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_AMT_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_LCL       | 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             |

| Name                           | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------------------|--|-----------------|-------------|----------------|
| 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             |
| 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             |

| Name                          | Description   | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|---|-----------------|-------------|----------------|
| 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             |
| 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             |

| Name                          | Description  | Data Type/Bytes | Field Order | Required Field |
|-------------------------------|--|-----------------|-------------|----------------|
| 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             |
| 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             |



**sttflddm.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.

| Name                  | Description   | Data Type/Bytes | Field Order | Required Field |
|-----------------------|---|-----------------|-------------|----------------|
| 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.

| Name                | Description  | Data Type/Bytes | Field Order | Required Field |
|---------------------|--|-----------------|-------------|----------------|
| 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.

| Name                   | Description  | Data Type/Bytes | Field Order | Required Field |
|------------------------|--|-----------------|-------------|----------------|
| 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.

| Name               | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------|--|-----------------|-------------|----------------|
| 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.<br>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            |

| Name               | Description  | Data Type/Bytes | Field Order | Required Field |
|--------------------|--|-----------------|-------------|----------------|
| 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            |
| 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, tndr\_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_LCL      | 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_LCL       | 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             |

**wfslsmkdnilddm.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            |