

**Oracle® Retail Data Warehouse**  
Operations Guide Addendum  
Release 10.2.8

December 2006

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# Preface

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

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

This Operations Guide Addendum should be used in conjunction with previously released Oracle Retail Data Warehouse 10.x documentation.

Anyone with an interest in developing a deeper understanding of the underlying processes and architecture supporting Oracle Retail Data Warehouse functionality will find valuable information in this guide. There are three audiences in general for whom this guide is written:

- Business analysts looking for information about processes and interfaces to validate the support for business scenarios within RDW and other systems across the enterprise.
- System analysts and system operations personnel:
  - Who are looking for information about RDW's processes internally or in relation to the systems across the enterprise.
  - Who operate RDW regularly.
- Integrators and implementation staff with overall responsibility for implementing RDW.

## Related Documents

For more information, see the following documents in the Oracle Retail Data Warehouse Release 10.2.8 documentation set:

- Oracle Retail Data Warehouse Installation Guide
- Oracle Retail Data Warehouse Release Notes

## Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

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

## 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.”

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

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This is a code sample

It is used to display examples of code

[A hyperlink appears like this.](#)

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# Introduction

The information in this document reflects modifications and updates to the latest Oracle Retail Data Warehouse (RDW) Operations Guide. Using this guide in conjunction with that guide provides retailers with a complete overview of the application.

For more specific information regarding enhancements and modifications (performance, functional, operational, and so on) made to the previous RDW release, refer to the RDW 10.2.8 Release Notes.





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## RDW Interfaces

This chapter provides a functional summary of data interfaces with RDW, which can receive data through these interfaces in one of two ways.

First, RDW can extract data from a source system through the use of its data warehouse interface (DWI) code (the sources are RMS and ReSA). The APIs/schema files associated with this method are illustrated in the “Extraction and load” subsections for both dimensions and facts in Appendix A, “Application programming interface (API) flat file specifications” of the RDW 10.2 Operations Guide. The data from the DWI extraction is then loaded to the RDW side using the same schema files. More information about schema files can be found in the RETL 10.2 Programmer’s Guide.

A second way to load data to RDW is through externally populated interfaces provided by the client or other Oracle Retail applications. RDW code does not extract this data, but does load this external data to RDW. The APIs/schema files associated with this method are illustrated in the “Load only” subsections for both dimensions and facts in Appendix A, “Application programming interface (API) flat file specifications” of the RDW 10.2 Operations Guide.

The following text and section is new information for the RDW 10.2.8 release.

RDW also integrates with ReIM and has the option of pulling invoice related information from either RMS or ReIM.

### Oracle Retail Invoice Matching (ReIM)

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



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## Program Flow Diagrams

This chapter presents the new flow diagram for RDW 10.2.8 fact data processing from source systems. Included are descriptions of the source system's program or output file, as the case may be, that is required to run or be present, along with the RDW program or process that interfaces with the source. After initial interface processing of the source, the diagrams illustrate the flow of the data into the respective datamarts.

Before setting up an RDW program schedule, familiarize yourself with the functional and technical constraints associated with each program. Read through the RDW 10.2 Database Installation Guide and Chapter 8, "Program Reference Lists", in the RDW 10.2 Operations Guide for more details.

### Program Flow Diagrams

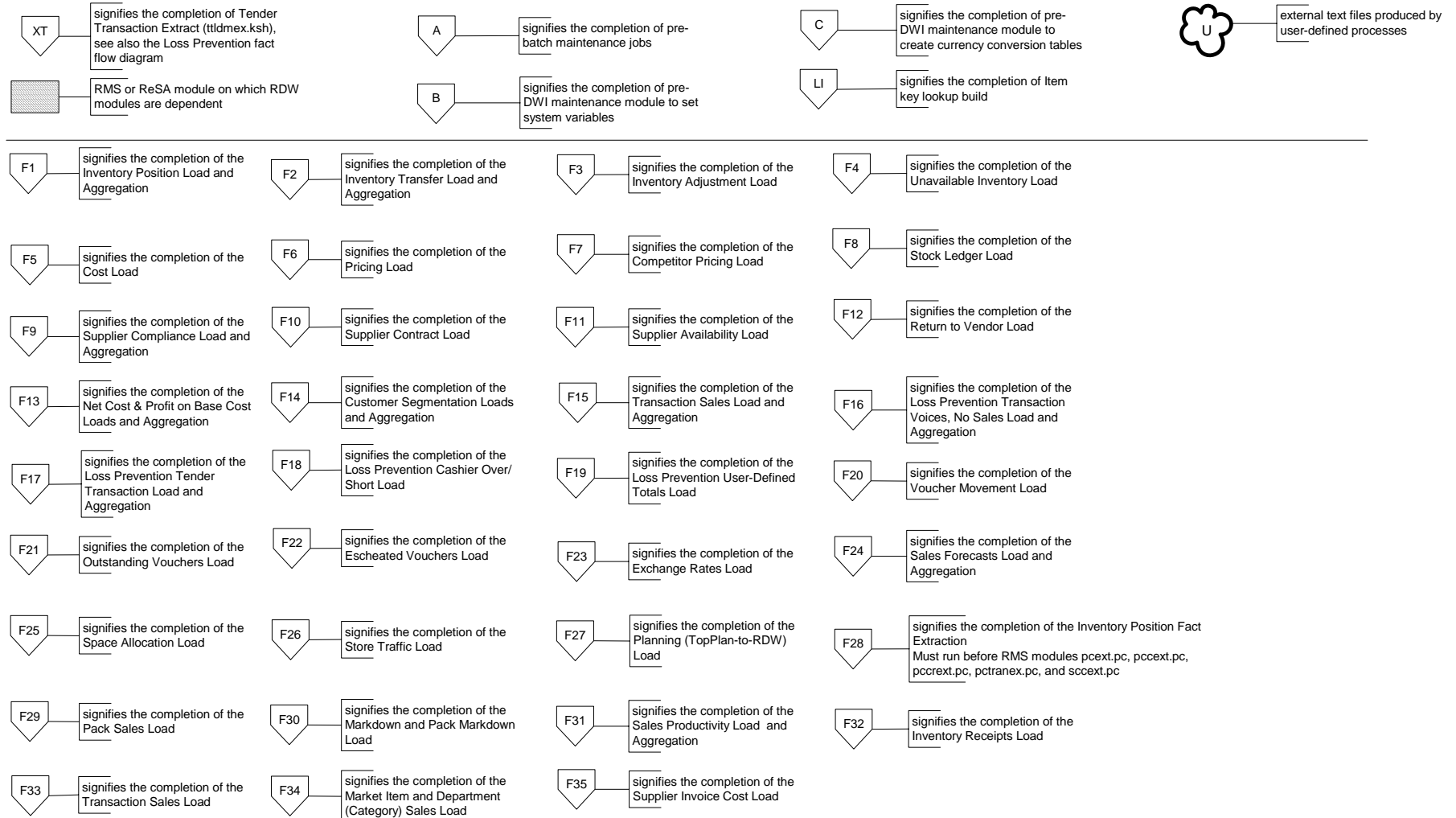
Below is the Fact Program Legend and the diagram of RDW's new program flow for RDW 10.2.8:

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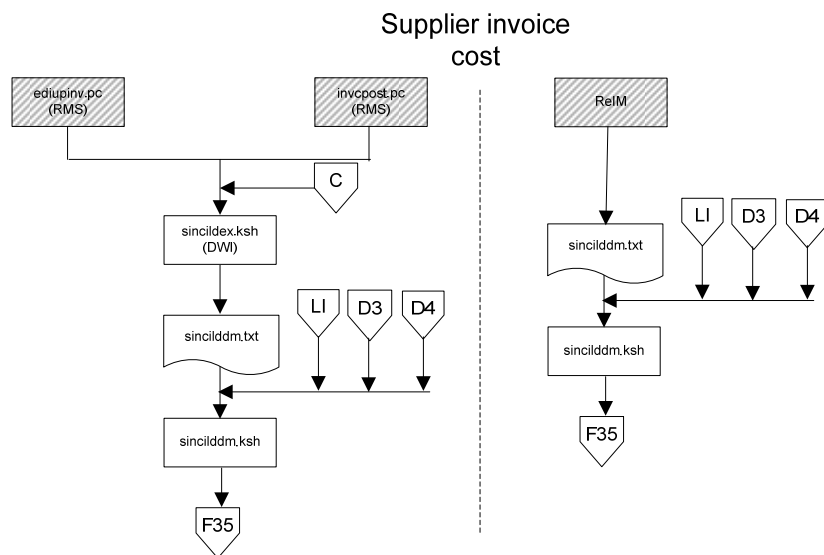
**Note:** The full key is included for reference. Only portions of the key apply to the updated flow diagram.

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## Legend: RDW 10.2.8 Fact Programs



## Fact dataflows





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## Program Reference Lists

### Fact Programs

When referencing the table below, note the following:

- All aggregation modules will derive data from temporary table \*\_TEMP that is created by the module that loads lowest-level facts from a source system for the fact datamart. For example, slsmkdnilddm.ksh is at item-location-day level. For markdwns, day is the lowest level for time, and week is the next level for time. The lowest level (or base) fact load module, slsmkdnilddm.ksh, needs to create a temp table for the next level aggregation. This temp table will hold today's changes/new facts and will be used by slsmkdnilwddm.ksh to aggregate today's changes to the target week table. The "Source Table or File" column for fact aggregation modules, therefore, is left blank in the program reference list.
- The "Arguments" column lists all the command line parameters that exist in addition to the module name itself.
- For the base fact DM Kornshell modules 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/cmptrcildm.txt. If clients wish to change this default path, they will need to substitute their own path/file\_name at the command line.
- Unless otherwise noted, the number of days that a transaction can be back posted is limited by the stock ledger. If a transaction is extracted with a date prior to or equal to the last closed end-of-month, then the date will be changed during the extraction to the current business virtual date.

## Fact Program Reference List

Program	Functional Area	Module Type	External Data Source	Source Table or File	Schema File	Target File or Table	Program _Control DM. program _type	Program_Control DM.operation_ type	Arguments	Notes
sincildex.ksh	Supplier Invoice Cost	Fact Extraction	RMS	INVC_HEAD, INVC_DETAIL, INVC_XREF, SHIPMENT	sincilddm.schema	sincilddm.txt	N/A	N/A	output_file_ path/filename	
			ReIM	IM_DOC_HEAD, IM_INVOICE_DETAIL						