

**Oracle[®] Retail Data Warehouse
Operations Guide Addendum
Release 10.2.7
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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.

Audience

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

You can find more information about this release of Oracle Retail Data Warehouse (RDW) in these resources:

- Oracle Retail Data Warehouse Data Model
- 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.

Introduction

The information in this document reflects modifications and updates to the latest Oracle Retail Date Warehouse Operations Guide. Each chapter title and section title in this document corresponds to a chapter title and a section title in the RDW Operations Guide. Please note that entire sections where modifications have occurred have been included from the original RDW Operations Guide for your reference. Changes that have been made to those sections are in bold or in crossed-out text (signifying deletions).

Compression and Partitioning

This back dated transaction example is a new addition to the RDW Operations Guide.

Back Dated Transactions

Posting of back dated transactions is not allowed on any of the RDW compressed tables. This may result in wrong data population in case of seeding or reclassification.

Consider the following example:

On Day 1 a record is loaded in the RDW compressed table CMPTR_PRICING_ITEM_LD_DM.

| ITEM_KEY | DAY_IDNT | LOC_KEY | CMPTR_L OC_KEY | RTL_TYPE_ KEY | DM_RECD_LOA D_DT | F_CMPTR_UNIT_RTL _AMT |
|----------|-------------|---------|-------------------|------------------|---------------------|--------------------------|
| 8124 | 20061 23 | 818 | 2 | 4 | 5/30/2006 | 9.0001 |

On Day 2 the item gets reclassified. There are now two rows in the CMPTR_PRICING_ITEM_LD_DM table with the new item key.

| ITEM_KEY | DAY_IDNT | LOC_KEY | CMPTR_L OC_KEY | RTL_TYPE_ KEY | DM_RECD_LOA D_DT | F_CMPTR_UNIT_RTL _AMT |
|----------|-------------|---------|-------------------|------------------|---------------------|--------------------------|
| 8124 | 20061 23 | 818 | 2 | 4 | 5/30/2006 | 9.0001 |
| 8226 | 20061 55 | 818 | 2 | 4 | 6/2/2006 | 9.9001 |

If seeding takes place at this point then the second record with item key 8226 gets seeded.

If a back dated transaction comes back for this item (transaction date before Day 2) then the row with the old item key (8124) gets updated with the new fact values and the seeded row is not updated.

| ITEM_KEY | DAY_IDNT | LOC_KEY | CMPTR_L OC_KEY | RTL_TYPE_ KEY | DM_RECD_LOAD _DT | F_CMPTR_UNIT_RTL _AMT |
|----------|-------------|---------|-------------------|------------------|---------------------|--------------------------|
| 8124 | 20061 23 | 818 | 2 | 4 | 5/30/2006 | 12.0001 |
| 8226 | 20061 55 | 818 | 2 | 4 | 6/2/2006 | 9.9001 |

This makes the seeded row hold wrong fact information.

Application Programming Interface (API) Flat File Specifications

Summary of Modifications to API Flat Files

The following table contains a summary of the changes made to the specified API flat files. More detailed information is included in each API File Specification section.

| API Flat File | Modification |
|-----------------------|---|
| cmptrlocdm.txt | Maximum column length of the cmptr_crncy_cde_idnt column is increased to 10 from 3. |
| ploblwdm.txt | Columns class_idnt and sbclass_idnt are mandatory fields and hence the Required Field is marked as “Yes” instead of “No”. |
| custacctdm.txt | Maximum column lengths for acct_type_idnt and acct_grp_idnt are modified to 6 from 3. |

cmptrlocdm.txt File Specification

Business Rules:

- This text file contains non-historical information about competitors and their individual locations.
- This text file cannot contain duplicate records for the same cmptr_loc_idnt, cmptr_idnt combination.

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|---------------------|---|-------------------|--------------------|----------------|
| CMPTR_LOC_IDNT | The unique identifier for competitor store. | 10 | Character | Yes |
| CMPTR_IDNT | The unique identifier for competitor. | 10 | Character | Yes |
| CMPTR_LOC_DESC | The description of competitor store. | 30 | Character | No |
| CMPTR_LOC_ADDR | The competitor store's address. | 100 | Character | No |
| CMPTR_LOC_CITY_NAME | Competitor store city. | 20 | Character | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|---------------------------|---|-------------------|--------------------|----------------|
| CMPTR_LOC_ST_OR_PRVNC_CDE | Competitor store state. | 3 | Character | No |
| CMPTR_LOC_CNTRY_CDE | Competitor store country. | 3 | Character | No |
| ESTIMATED_VOLUME | This field is assigned to a competitor's location and indicates the competitor's estimated yearly sales volume. | 18 | Number(18,4) | No |
| CMPTR_CRNCY_CDE_IDNT | The unique identifier for currency code. For example, USD is the local currency code for US Dollar. | 3 10 | Character | Yes |

custacctdm.txt File Specification

Business Rules:

- This text file contains customer and account number relationships. It 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 text file cannot contain duplicate records for the same cust_idnt, acct_nbr, acct_type_idnt combination.

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|------------|---|-------------------|--------------------|----------------|
| CUST_IDNT | The unique identifier for a customer. | 15 | Character | Yes |
| ACCNT_NBR | Customer account number, possibly from a checking, credit card or loyalty card account. | 30 | Character | Yes |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|-----------------|---|-------------------|--------------------|----------------|
| ACCNT_TYPE_IDNT | The unique identifier for an account type. | 36 | Character | Yes |
| ACCNT_TYPE_DESC | The description of an account type (for example, checking, VISA, Master Card, etc.). | 30 | Character | Yes |
| ACCNT_GRP_IDNT | The unique identifier for an account group. | 36 | Character | Yes |
| ACCNT_GRP_DESC | The description of an account group (for example, credit cards, loyalty cards, etc.). | 30 | Character | Yes |

poblwdm.txt File Specification

Business Rules:

- This text file contains original planning data for a department, class, subclass, and location on a given week.
- This text file cannot contain duplicate transactions for the same A-B-C

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|------------|--|-------------------|--------------------|----------------|
| DAY_DT | The calendar date for the end day of a week in which the transaction occurred. | | Date (YYYYMMDD) | Yes |
| DEPT_IDNT | The unique identifier for a department. | 4 | Character | Yes |
| CLASS_IDNT | The unique identifier for a class to which this item belongs in the product hierarchy. | 4 | Character | No Yes |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|---------------------------|---|-------------------|--------------------|----------------------|
| SBCLASS_IDNT | The unique identifier for a subclass to which this item belongs in the product hierarchy. | 4 | Character | No Yes |
| LOC_IDNT | The unique identifier for a location. | 10 | Character | Yes |
| F_PLN_ORIG_SLS_QTY | Original plan total sales quantity, which includes regular, clearance and promotional sales minus customer returns. | 12 | Number(12,4) | No |
| F_PLN_ORIG_SLS_AMT | Original plan total sales amount, which includes regular, clearance and promotional sales minus customer returns. | 18 | Number(18,4) | No |
| F_PLN_ORIG_GRS_PRFT_AMT | Original plan gross margin amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RGLR_MKDN_AMT | Original plan regular markdown amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_CLRC_MKDN_AMT | Original plan clearance markdown amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_PRMTN_MKDN_AMT | Original plan promotion markdown amount. | 18 | Number(18,4) | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|---------------------------|--|-------------------|--------------------|----------------|
| F_PLN_ORIG_SHRK_QTY | Original plan shrinkage units, the total units of loss of inventory over time due to damage, misplacement, or theft. | 12 | Number(12,4) | No |
| F_PLN_ORIG_SHRK_RTL_AMT | Original plan shrinkage retail value, the total retail value of loss of inventory over time due to damage, misplacement, or theft. | 18 | Number(18,4) | No |
| F_PLN_ORIG_BOP_QTY | Original plan beginning inventory units. | 12 | Number(12,4) | No |
| F_PLN_ORIG_BOP_COST_AMT | Original plan beginning inventory cost amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_BOP_RTL_AMT | Original plan beginning inventory retail amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RCPTS_QTY | Original plan quantity of goods that may be received in stock without exceeding planned inventory levels. | 12 | Number(12,4) | No |
| F_PLN_ORIG_RCPTS_COST_AMT | Original plan cost of goods that may be received in stock without exceeding planned inventory levels. | 18 | Number(18,4) | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|--------------------------------|---|-------------------|--------------------|----------------|
| F_PLN_ORIG_RCPTS_RTL_AMT | Original plan retail of goods that may be received in stock without exceeding planned inventory levels. | 18 | Number(18,4) | No |
| F_PLN_ORIG_CMTS_RTL_AMT | Original plan retail amount of commitments made to suppliers. | 18 | Number(18,4) | No |
| F_PLN_ORIG_ORD_CNCLLD_COST_AMT | Original plan on order cancel cost amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_ORD_RTL_AMT | Original plan retail of goods that have been ordered but not received. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RECL_IN_RTL_AMT | Original plan retail amount of inventory transferred in as a result of reclassification. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RECL_OUT_RTL_AMT | Original plan retail amount of inventory transferred out as a result of reclassification. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RCVD_RTL_AMT | Original plan retail of goods received into inventory. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RTV_RTL_AMT | Original plan goods returned to vendor expressed in retail amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_CMTS_QTY | Original plan units ordered but not approved. | 12 | Number(12,4) | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|-------------------------------|--|-------------------|--------------------|----------------|
| F_PLN_ORIG_ORD_CNCLLD_QTY | Original plan cancelled orders expressed in units. | 12 | Number(12,4) | No |
| F_PLN_ORIG_ORD_QTY | Original plan quantity of goods that have been ordered but not received. | 12 | Number(12,4) | No |
| F_PLN_ORIG_RECL_IN_QTY | Original plan quantity of inventory transferred in as a result of reclassification. | 12 | Number(12,4) | No |
| F_PLN_ORIG_RECL_OUT_QTY | Original plan quantity of inventory transferred out as a result of reclassification. | 12 | Number(12,4) | No |
| F_PLN_ORIG_RCVD_QTY | Original plan goods received into inventory. | 12 | Number(12,4) | No |
| F_PLN_ORIG_RTV_QTY | Original plan goods returned to vendor expressed in units. | 12 | Number(12,4) | No |
| F_PLN_ORIG_EOP_RTL_AMT | Original plan ending inventory retail amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_EOP_QTY | Original plan ending inventory units. | 12 | Number(12,4) | No |
| F_PLN_ORIG_ORD_COST_AMT | Original plan cost of goods that have been ordered but not received. | 18 | Number(18,4) | No |
| F_PLN_ORIG_ORD_CNCLLD_RTL_AMT | Original plan on order cancel retail amount. | 18 | Number(18,4) | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|---------------------------|---|-------------------|--------------------|----------------|
| F_PLN_ORIG_CMTS_COST_AMT | Original plan cost amount of commitments made to suppliers. | 18 | Number(18,4) | No |
| F_PLN_ORIG_RCVD_COST_AMT | Original plan cost of goods received into inventory. | 18 | Number(18,4) | No |
| F_PLN_ORIG_CUM_MKUP_AMT | 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. | 18 | Number(18,4) | No |
| F_PLN_ORIG_COGS_AMT | Original plan cost of goods sold amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_SLS_VAT_AMT | Original plan total value added tax amount, which includes regular, clearance and promotional sales minus customer returns. | 18 | Number(18,4) | No |
| F_PLN_ORIG_EMPTY_DISC_AMT | Original plan employee discount at retail. | 18 | Number(18,4) | No |
| F_PLN_ORIG_FRGHT_COST_AMT | Original plan freight cost amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_WKRM_COST_AMT | Original plan workroom cost amount. | 18 | Number(18,4) | No |

| FIELD NAME | DESCRIPTION | MAX COLUMN LENGTH | DATA TYPE / FORMAT | REQUIRED FIELD |
|--------------------------|--|-------------------|--------------------|----------------|
| F_PLN_ORIG_RTRNS_SLS_AMT | Original plan customer sales return retail amount. | 18 | Number(18,4) | No |
| F_PLN_ORIG_EOP_COST_AMT | Original plan ending cost amount. | 18 | Number(18,4) | No |