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This document highlights the features and enhancements in release 14.1.1 of the Oracle Retail Reference Library. It describes new or changed functionality only. Existing functionality from prior releases is not described.

## Overview

The Oracle Retail Reference Library (RRL) is a collection of detailed implementation information for partners and retailers, including business process models, architectural diagrams, and a retail glossary. The RRL contains deep retail intellectual property that can help retailers accelerate their implementations and derive maximum value from Oracle Retail software.

RRL consists of the following components:

- The Retail Reference Model (RRM) is a comprehensive collection of established, industry leading business processes which guide retailers and implementers on the use of Oracle Retail applications. RRM is based on the input and experience that Oracle Retail and their partners have gained in working with a broad range of retail customers. The processes align with Oracle applications, leverage industry standards, and help business units communicate with Information Technology (IT). Process flows are created in Microsoft Visio to enable retailer-specific business processes to be managed and maintained.
- The Retail Reference Architecture (RRA) describes various views of Oracle Retail's solution offerings, including contextual models, integration models, and deployment models. Those implementing Oracle Retail's products will find RRA a useful starting point in understanding how enterprise systems fit together. It is meant to convey information to a broad audience, from IT executives to development staff. The ability to know context around a particular component in a system and understand where the system plays a part in the enterprise is essential when making decisions about customization and deployment options.
- The Retail Semantic Glossary (RSG) provides a single source for defining terms, metrics, and measures used by retailers. Users can search for terms in order to understand their definition, calculation, synonyms, and context thus helping to align departments and provide consistency. The RSG is accessible in a Microsoft Excel format allowing users to easily customize the glossary by adding, editing, or deleting content.

## Hardware and Software Requirements

For information on the hardware and software requirements, see the *Oracle Retail Reference Library Installation Guide*.

## Functional Enhancements

The functional enhancements described below are included in this release.

## Updates to RRM Business Process Flows

The following business process flows are added, redirected, or removed to reflect the most updated offerings in release 14.1.1. These changes are listed in the following tables:

### Added Business Process Flows

The following table contains information about the added business process flows.

Flow	Primary Location
13.03.04.03 Create Batch	13_StoreOperations
13.03.04.04 Print Hand Held	13_StoreOperations
10.02.09.03 In Store Replenishment	10_InventoryManagement
10.03.09.05 Sales Based	10_InventoryManagement
10.03.09.06 Display	10_InventoryManagement
10.03.09.07 AdHoc	10_InventoryManagement
10.03.09.08 Pick For Shop Floor	10_InventoryManagement
10.03.09.09 Maintain Shop Floor	10_InventoryManagement
03.01.19.02 Conduct Continuous Planning	03_MerchandisePlanningOptimizationAndFoundation
03.02.19.02 Conduct Continuous Planning	03_MerchandisePlanningOptimizationAndFoundation
03.03.19.02 Conduct Continuous Planning	03_MerchandisePlanningOptimizationAndFoundation
14.03.01.16 Ship To Customer From Store With Brazil Localization	14_DirectToConsumer
14.03.01.17 Ship To Customer Or Store From Warehouse With Brazil Localization	14_DirectToConsumer
14.03.01.18 Customer Pick Up At Store In The Inventory System With Brazil Localization	14_DirectToConsumer
14.03.01.19 Ship To Customer From Supplier Drop Ship With Brazil Localization	14_DirectToConsumer
14.03.01.20 Customer Return Via Shipment To Warehouse With Brazil Localization	14_DirectToConsumer

## Redirected Business Process Flows

The following table contains information about the redirected business process flows.

Previous Flow & Location	Redirected To
999_ControlledObjectLibraryAndGovernance: Application Names and Release Information	This content is incorporated into the <i>Oracle Retail Reference Library Release Notes</i>
999_ControlledObjectLibraryAndGovernance: Copyright Notice	This content is redirected to the Link section if the Retail Reference Model user interface

## Removed Business Process Flows

The following table contains information about the removed business process flows.

Flow	Notes
10.02.03.03 Perform Store Problem Line Count	Content of this process flow is incorporated into: 10.02.03.02 Perform Store Cycle Count by Store Personnel
10.03.03.07 Perform Store Problem Line Count	Content of this the process flow is incorporated into: 10.03.03.05 Perform Store Cycle Count by Store Personnel (Self-Directed) and 10.03.03.06 Perform Store Cycle Count by Store Personnel (System-Directed)
Application Names and Release Information	Folder 999_ControlledObjectLibraryAndGovernance is deleted, this content is incorporated into the Release Notes
Copyright Notice	Folder 999_ControlledObjectLibraryAndGovernance is deleted, this content is redirected to the Link section of the RRM user interface

## Standard List of Retail Roles

A new spreadsheet provides descriptions of the responsibilities assigned to roles common in the retail industry. For each role, a description, organizational department, and alternate role names are provided. These roles are utilized in the creation of the business process flows.

To access this spreadsheet, select the **Description of Retail Roles** link on the Retail Reference Model home page.

## RRM Foundation Data Process Flows

The following business process flows also appear in Folder 97 Foundation Data, as these process flows are also considered foundational data flows. This subgroup is created to easily obtain process flows which are relevant with foundational data.

Flow	Primary Location
03.01.11.01 Manage Foundation Data	03_MerchandisePlanningOptimizationAndFoundation
03.01.15.01 Manage Items	03_MerchandisePlanningOptimizationAndFoundation
03.01.03.02 Pricing Foundation Data	03_MerchandisePlanningOptimizationAndFoundation
06.02.01.02 Trade Management Foundation Data	06_SourcingAndProductDevelopment
10.01.17.01 Manage Item Unique Identification Numbers	10_InventoryManagement
10.03.13.01 Create_Maintain Transfer Entities	10_InventoryManagement
12.01.00.02 Warehouse Management Foundation Data	12_WarehouseManagement
17.03.06.01 Create and Maintain GL Cross Reference	17_FinancialControlAndReporting
18.01.00.01 Store Life Cycle Management	18_StoreLifeCycleManagement
99.01.00.01 Manage SIM Administration Data	99_AdministrationUsersAndSecurity
99.01.00.02 Manage Space Planning Libraries, Plans, and System Data	99_AdministrationUsersAndSecurity

## Retail Reference Architecture

For the 14.1.1 release, the Brazil Localization RFM content is temporarily removed from the RRA. This is done to enable the Brazil-specific content to be updated off-cycle from a major release. It is planned that the Brazil Localization RFM content will be merged back into the overall RRA with the next major release of the Oracle Retail Enterprise suite of products. Until then, if desired, customers and partners can obtain a previous RRA zip file which contains the earlier Brazil-specific content by sending a request to [retailprocess\\_ww@oracle.com](mailto:retailprocess_ww@oracle.com)

In general, the RRA is not updated with the RRL mid-year release; all other content within the RRA remains static.

## Duplicate Cross Reference RRM Process Flows

The following business process flows appear in multiple locations.

Flow	Primary Location
98.02.06 Purchasing End to End is also featured in Folder 09_PurchasingManagement	98_EndToEndProcesses
98.01.02 Manage Brazil Localization Fiscal Processes End to End is also featured in Folder 17_FinancialControlAndReporting	98_EndToEndProcesses

## Application Release

Retail Reference Model: Release 14.1.1 includes processes covering the following application releases.

14.1.x Application Release
Advanced Inventory Planning
Allocation
Assortment Planning
Back Office
Category Management
Central Office
Data Warehouse
Financials: such as E-Business Suite or PeopleSoft
Financial Integration
In-Store Space Collaboration
Item Planning
Item Planning with Clearance Optimization Engine
Macro Space Management
Merchandise Financial Planning
Point-of-Service (Client)
Point-of-Service (Server)
Regular Price Optimization
Retail Demand Forecasting
Retail Fiscal Management
Retail Invoice Match
Retail Merchandising System
Retail Price Management
Retail Sales Audit
Returns Management

<b>14.1.x Application Release</b>
Size Profile Optimization
Replenishment Optimization
Store Inventory Management
Retail Trade Management
Warehouse Management System

<b>Non-14.1.x Application Release</b>
Markdown Optimization: 13.x
Point-of-Service (Client): 14.x
Point-of-Service (Server): 14.x

<b>Additional Third-Party Application or Solutions Referenced Include:</b>
Credit/Debit Terminal
E-Mail Server
Tender Authorization Service

## Collateral Refinement and User Interface Enhancements

Starting with the release of 14.1.1, the following sets of collateral are incorporated into standard Oracle Retail documentation or redirected; this initiative aligns the Oracle Retail Reference Library with all other Oracle Retail products. Oracle Retail documentation can be found on Oracle Technology Network:

- Content within the former What's New document has now been formatted to the *Oracle Retail Reference Library Release Notes*.
- Content within the former ReadMe and RSG Getting Started documents has now been formatted to the *Oracle Retail Reference Library Installation Guide*.
- Content from the RRM cover page user interface Link section; Browser Notes, Interpreting the Models, Frequently Asked Questions along with the Style Guide and How To Use the Templates and Stencils have now been formatted into the *Oracle Retail Reference Library User Guide*.
- Folder 999 Controlled Object Library and Governance is removed. The content from Application Names and Release Information is relocated to the *Oracle Retail Reference Library Release Notes* and the Copyright Notice content is merged with the Legal Notice section in the Links section of the Retail Reference Model cover page.

Access the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

## Technical Enhancement

The following technical enhancement is included in this release.

### Simplified Installation Process

The installation of the Retail Reference Library and the individual components are simplified. There are three individual zip files, one for each component, which can be unzipped in any order. For more information, see the *Oracle Retail Reference Library Installation Guide*.

### Translation of RRM Visio Business Process Flows

The release 14.1.1 Retail Reference Model Visio business process flows do not include translation. Retailers can still obtain great value and leverage the investment Oracle made with the translation of eight additional languages in 14.0.1.

Retailers and partners are able to re-factor the 14.0.1 translated version by identifying notable changes highlighted within this document.

### Oracle Retail Fiscal Management

The Oracle Retail Fiscal Management Retail Reference Model business process flows are updated to reflect the release 14.1.1 updates and changes. Updates are made to the following:

- Nota Fiscal inbound processes flow
- Nota Fiscal outbound processes flow
- Transfers at Store Brazilian process flow
- Transfers from Warehouse Brazilian process flow
- Ship to Customer Brazilian processes flows
- Customer Pick Up at Stores Brazilian process flow
- Customer Return Brazilian process flow

### Store Inventory Management RRM Business Process Flows

The Oracle Retail Store Inventory Management (SIM) Retail Reference Model business process flows are updated to reflect the following:

- Ticketing and label flows
- Manual and automatic GS1 databar information capture in shipping, receiving, inventory adjustment, and stock count flows
- Unique Identification Number (UIN) capture
- Addition of new methods for in-store replenishment and in-store picking
- Item lookup changes for Style look
- Item Inventory history trail analysis
- Cancel fulfillment order
- Stock count late sales processing for sales and inventory adjustments
- Aligned Problem Line Stock Count flow with Unit Count flow

## Retail Semantic Glossary

The RSG is updated to include additional terms and metrics from the following products:

- Oracle Retail Brand Compliance Cloud Service
- Oracle Retail Order Management System Cloud Service
- Oracle Retail Order Broker Cloud Service
- Oracle Retail Analytics

In addition to the new terms, the 14.1.1 RSG release features a new, easy to use Excel format. The previously released Oracle Database version of the RSG is no longer supported.

The RSG can be installed with full editable capabilities in Microsoft Excel or the HTML can be utilized with browser-based read-only access. For more information, see the *Oracle Retail Reference Library Installation Guide*.

## Noteworthy Fixes

The following fixes are included in this release:

### Updates to RRM Business Process Flows

Numerous issues are handled in specific business process flows, but none of these changes alter any business process flow. These updates are categorized into following categories:

- Minor Adjustments - A number of typos, incorrect and updated phrasing, and incorrect or misplaced objects are reconciled. Ambiguous or unclear messaging and phrasing are changed, added, and removed.
- Process Revision - Add/remove step, add/remove swim lane, the flow itself is modified, user role, process renamed, and so on.
- Link Modification - Broken links to supplemental business process flows and the Retail Reference Architecture integration specifications are fixed.
- Process Relocated - Process flows are relocated and renamed, new number, moved to another folder or subfolder, and so on.
- Duplicate Flow - Process flow is considered a duplicate.
- Antiquated Process Flow - Process flow is no longer relevant to 14.1.1; the feature is no longer available or product is no longer being developed.

The following table contains information about the business process flows that are adjusted.

Flow	Adjustment Type
03.03.09.01_PlanNewStoreLayout	Minor Adjustment
03.03.09.02 Reset Existing Store Layout	Minor Adjustment
03.03.09.03 Create What If Macro Space Plan	Minor Adjustment
03.01.19.01 Conduct Major Line Review renamed to 03.01.19.01 Conduct Category Reset	Minor Adjustment & Name Change
03.02.19.01 Conduct Major Line Review renamed to 03.02.19.01 Conduct Category Reset	Minor Adjustment & Name Change



Flow	Adjustment Type
03.03.19.01 Conduct Major Line Review renamed to 03.03.19.01_ConductCategoryRese	Minor Adjustment & Name Change
13.03.05.01 Comply with Space Plans	Minor Adjustment
17.03.07.01 Create and Manage Nota Fiscal for Inbound Processes	Minor Adjustment
17.03.07.03 PO Receiving Exception Flows	Minor Adjustment
10.01.01.01 Manage Store Inventory Counts	Process Revision
10.03.02.04 Execute Store Inventory Adjustment	Process Revision
10.02.02.01 Execute Store Inventory Adjustment	Process Revision
10.02.03.02 Perform Store Cycle Count by Store Personnel	Process Revision
10.03.03.02 Perform Store Ad Hoc Stock Count	Process Revision
10.03.03.05 Perform Store Cycle Count by Store Personnel (Self-Directed)	Process Revision
10.03.03.06 Perform Store Cycle Count by Store Personnel (System-Directed)	Process Revision
10.02.04.01 Perform Store Physical Count by Store Personnel	Process Revision
10.02.04.02 Perform Store Physical Count by Third Party	Process Revision
10.03.04.05 Perform Store Physical Count by Store Personnel (Self-Directed)	Process Revision
10.03.04.06 Perform Store Physical Count by Store Personnel (System-Directed)	Process Revision
10.03.04.07 Perform Store Physical Count by Third Party	Process Revision
10.01.08.01 Receive Inventory at Store	Process Revision
10.03.08.09 Receive Inventory from Store (Store to Store Transfer)	Process Revision
10.03.08.10 Receive Inventory from Supplier (Direct Store Delivery)	Process Revision
10.03.08.12 Receive Inventory from Warehouse or Finisher	Process Revision
10.03.09.02 Pick Stock to Replenish Store Floor	Process Revision
10.03.09.04 Reverse Customer Order Pick List	Process Revision
10.03.10.05 Process Vendor or Warehouse Return at Store	Process Revision
10.03.11.10 Create and Ship Transfers from Warehouse with Brazil Localization	Process Revision
10.03.11.11 Create and Ship Transfers at Store with Brazil Localization	Process Revision
10.03.16.03 Store Manager Authorize Count	Process Revision
10.03.16.05 Store Manager Spot Check Count	Process Revision
10.01.17.01 Manage Item Unique Identification Numbers	Process Revision
10.02.18.01 Perform Inventory and Information Lookups	Process Revision

Flow	Adjustment Type
10.03.18.01 Perform Item Lookup	Process Revision
10.01.00.01 Inventory Management	Process Revision
13.02.04.01 Request Store Price Change	Process Revision
13.02.04.02 Create Tickets	Process Revision
13.03.04.02 Create Tickets	Process Revision
17.03.07.02 Create and Manage Nota Fiscal for Outbound Processes	Process Revision
99.01.00.01 Manage SIM Administration Data	Process Revision

## Related Documentation

For more information, see the following documents in the Oracle Retail Reference Library Release 14.1.1 documentation set:

- *Oracle Retail Reference Library Installation Guide*
- *Oracle Retail Reference Model User Guide*

## Supplemental Documentation on My Oracle Support

The following documents are available through My Oracle Support. Access My Oracle Support at the following URL:

<https://support.oracle.com>

To download the documentation, use the following Knowledge Base article numbers:

- 1617507.1 for the 14.x Retail Reference Library files:
  - Patch 21099717 for the 14.1.1 Retail Reference Library
  - Patch 19988589 for the 14.1 Retail Reference Library
  - Patch 19073202 for the 14.0.1 Retail Reference Library
  - Patch 18154578 for the 14.0 Retail Reference Library
- 1564821.1 for the 13.x Retail Reference Library files



Oracle Corporation  
World Headquarters  
500 Oracle Parkway  
Redwood Shores, CA 94065  
U.S.A.

Worldwide Inquiries:  
Phone: +1.650.506.7000  
Fax: +1.650.506.7200  
[oracle.com](http://oracle.com)

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