Oracle® Retail Merchandising System

Release Notes

Release 13.2.2

August 2011

Oracle Retail Merchandising System (RMS) Release 13.2.2 is a patch release for RMS 13.2. RMS 13.2.2 includes selected defect fixes and enhancements for RMS 13.2 code, as well as fixes and enhancements for Oracle Retail Fiscal Management (ORFM).

Oracle Customer Support investigates submitted issues assuming that all released updates have been applied. It is the customer's decision when to apply a new release; however, delays in applying updates can complicate the support process.

RMS Localized for Brazil

The Oracle Retail Fiscal Management (ORFM) module is an optional module for RMS 13.2 to support Brazil localization and the particular tax requirements of Brazil. For more information, see "Brazil Localization and Oracle Retail Fiscal Management" later in this document.

About Patch Releases

Oracle Retail patch releases are periodic releases that can include new defect fixes and product enhancements.

Documentation for patch releases includes the following:

- New and updated guides (for example, operations and user guides) that apply to the patch release level. These documents include all updates made since the last patch release. Documents revised for this patch release supersede and replace all previous document versions. See "Related Documentation" for a list of the documents published for RMS 13.2.2.
- Defect reports for fixes and enhancements for the patch release.

Hardware and Software Requirements

See the *Oracle Retail Merchandising System Installation Guide* for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility

Applying the Patch Release

Before applying the RMS 13.2.2 patch release, be sure that:

- RMS 13.2 has been installed
- Patch release RMS 13.2.1 has been applied

Before applying the new files over your code:

- Note whether any modules have been customized. If so, the customizations must be reapplied to the new version of the module, or the fix may need to be applied to the custom version of the code.
- Copy the original files to a different directory before you copy over them, in case you need to refer to them at a later date.

Running Scripts

Back up data before running any script, because the scripts provided *do not* preserve data. See defect reports for details.

Check with your database administrator to determine whether your database should be analyzed after a script is run. In many cases, analysis of the database is necessary to take advantage of new or modified indexes intended to improve performance of the application.

Technical Enhancements

The following are technical enhancements for Oracle Retail Merchandising System Release 13.2.2.

Removal of Oracle Advanced Queuing (AQ)

Oracle Advanced Queuing infrastructure was introduced in RMS 13.2 to handle queuing and dequeuing for a subset of Oracle Retail Integration Bus (RIB) transactions that call the external tax engine through a Web service. Because of performance and scalability concerns with the architecture, the external tax engine integration is redesigned and Oracle AQ is no longer needed. Release 13.2.2 removes the Oracle AQ functionality added in RMS 13.2.

Defect Fixes and Documentation

A defect fix is a modification to the base Oracle Retail code (for example, a bug fix, a performance enhancement, or a functional enhancement). Each defect fix that is included in this release has a corresponding defect report titled <*defect-number*> <*module*>.PDF (for example, 1234567 addrb.PDF).

In the same folder, the file DEFECT MODULE XREF RMS 13.2.2.XLS lists every defect number and the modules and scripts that are included in the patch. Review each defect report carefully before implementing the defect fixes. Note that scripts do not preserve data. Make sure that all data is backed up before you run any script.

Noteworthy Defect Fixes

The following are noteworthy defect fixes included in this release. This is not a complete list; see the cross-reference sheet and defect reports for a complete list and full details.

Defect Number	Summary
12577282	Tran data and weighted average cost (WAC) updates are not performed for a single shipment with multi-obligations with the actual landed cost (ALC) for a matched shipment. Tran code 73 is written to the stock ledger but weighted average cost is not adjusted. Receiver cost adjustment (RCA) transactions do not update the total cost excluding ELC in the TRAN_DATA table.
12680008	In an SVAT tax environment, pack items cannot be created using the pack template

Known Issues

The following is a known issue for Oracle Retail Merchandising System Release 13.2.2. The following issue applies to RMS and associated products regardless of whether ORFM is installed.

Defect Number	Summary
12330556	There is a mismatch in the file specifications used by the htsupld batch process and the conversion script used to convert the raw U.S. Customs harmonized tariff schedule (HTS) file (ushts2rms), which causes a program failure. This issue was seen when processing a file from the year 2010.

Related Documentation

For more information, see the following documents in the Oracle Retail Merchandising System Release 13.2.2 documentation set:

- *Oracle Retail Merchandising System Data Model*
- *Oracle Retail Merchandising System Installation Guide*
- *Oracle Retail Merchandising System Operations Guide*, Volumes 1 and 2
- *Oracle Retail Merchandising System User Guide*
- *Oracle Retail Trade Management User Guide*
- *Oracle Retail Merchandising Batch Schedule*
- *Oracle Retail Merchandising Data Conversion Operations Guide*

Brazil Localization and Oracle Retail Fiscal Management

Note: This section of the Release Notes applies only if you have localized RMS for Brazil operations by installing the Oracle Retail Fiscal Management (ORFM) module.

Release 13.2.2 of Oracle Retail Fiscal Management (ORFM) improves performance of the application and its interfaces. In addition, there are significant functional enhancements.

Note: The Tax Rules software is a product of TaxWeb Compliance Software S.A. References to the "Mastersaf Tax Rules" product (or "MTR") in documentation or system messages are incorrect and refer to the TaxWeb Tax Rules software.

Functional Enhancements

The following are functional enhancements in ORFM 13.2.2.

Storage and Display of Tax Data

When RMS and ORFM invoke an external tax engine such as TaxWeb Tax Rules for tax calculations, the cost is sent as the direct taxable basis. It is possible that the item is eligible for a tax rule that modifies the taxable basis, mostly in the form of a lower taxable basis. In such cases, the tax rate is applied on the modified taxable basis. In Release 13.2.2, RMS and ORFM are modified to store and display the actual taxable basis used for tax calculation, to avoid discrepancies between the actual tax amounts calculated by the tax engine and the amounts displayed to the user.

To meet this requirement, the following changes have been made:

- RMS – The Item Costing form and the Order Tax Breakup form have been modified to include a new column called Modified Taxable Base.
- ORFM – The Discrepancy Resolution form has a new column named Modified Base Value. This column displays the actual basis on which the taxes are computed for an item eligible for the tax rule.

  A new column named Modified Tax Basis has been introduced in the Header Taxes and Detail Taxes tabs of the Fiscal Documents form.

Fiscal Attributes for Legal Entities

In Release 13.2, fiscal attributes for legal entities are set up at the company and location levels only. The company level of the RMS organizational hierarchy cannot represent the actual legal entity of the company, because it is possible for a single company to have multiple business units. These business units form the actual legal entities of the company; however, RMS does not support multiple companies in the organizational hierarchy level, so these legal entities are set up either as individual sets of books or as transfer entities within RMS.

In Release 13.2.2, RMS allows fiscal attributes to be set up at the set-of-books or transfer entity level, depending on system options settings. These attributes can be used for fiscal reporting at *Sistema Público de Escrituração Digital* (SPED). The company-level fiscal attributes functionality is removed from RMS.

Flex Attributes

In Release 13.2.2, four supplier fiscal attributes and two item fiscal attributes have been added to support Brazilian tax calculation. These attributes are added to the new slim tax objects for Oracle Retail Tax Integration Layer (RTIL) and the corresponding tax call points in RMS and ORFM.

The following fiscal attributes are added in the Localization Flexible Attribute form of the supplier:

- Is income range eligible
- Is distributor a manufacturer
- *Imposto sobre Circulação de Mercadorias e Serviços* (ICMS) *Simples* Rate

A new form named Supplier Tax Regime has been introduced. This form identifies various types of exception tax regimes defined at the state level in Brazil.

The following new fiscal attributes are added in the Item-Country form and the Fiscal Reclassification form:

- State of Manufacturer
- Pharmaceuticals List

Tax Object Extension

For this release, generic name-value pair structure has been added to RTIL objects and the corresponding tax call points in RMS and ORFM, to accept future tax attributes from new state-driven requirements. These future tax attributes will be defined as non-base attributes in a non-base attribute group and sent to the external tax engine. In the 13.2.2 release, generic name-value pairs are not supported for fiscal reclassification and data conversion.

Technical Enhancements

The following are technical enhancements in ORFM 13.2.2.

RTIL Performance

In Release 13.2.2, RMS and ORFM integration with RTIL, and RTIL integration with the external TaxWeb Tax Rules tax engine, has been redesigned to improve performance. The performance optimizations were primarily in the following areas:

- Externalizing the conversion of Oracle object to Java object to an external Java Virtual Machine (JVM), to overcome the major performance bottleneck of Jpublisher code in the database JVM for larger payloads.
- Replacement of Web-service-based interactions (RMS/ORFM to RTIL, and RTIL to TaxWeb Tax Rules) to eliminate XML marshalling and unmarshalling overhead.
- Reducing the payload/message sizes by adopting a more optimized and reduced tax data object model.
- Redesign of RTIL integration with TaxWeb Tax Rules, with TaxWeb Tax Rules deployed as a library module of RTIL (POJO interface) to eliminate network latency.

Removal of Oracle Advanced Queuing (AQ)

See "Removal of Oracle Advanced Queuing (AQ)" earlier in this document.

ORFM Defect Fixes and Documentation

The defect report for the following defect number summarizes the fixes and enhancements in the ORFM 13.2.2 release.

Defect Number	Summary
12729804	This master defect report summarizes the ORFM 13.2.2 fixes and enhancements by module.

Enhancements to ORFM performance also resolve the performance issues addressed in the following defects, cited in previous Release Notes as known issues:

- 12330498
- 12330533
- 12330547

Known Issues

The following is a known issue for Oracle Retail Fiscal Management 13.2.2.

Defect Number	Summary
12810111	Deadlocks can occur during multiple concurrent calls to the tax engine. A fix is in development; contact Oracle Customer Support for more information.

ORFM Related Documentation

For more information, see the following documents in the Oracle Retail Fiscal Management Release 13.2.2 documentation set:

- *Oracle Retail Fiscal Management Data Model*
- *Oracle Retail Fiscal Management/RMS Brazil Localization Implementation Guide*
- *Oracle Retail Fiscal Management/RMS Brazil Localization Installation Guide*
- *Oracle Retail Fiscal Management User Guide and Online Help*
- *RMS-ReSA User Guide for Brazil Localization Guide*

Supplemental Documentation

The following document is available through My Oracle Support. Access My Oracle Support at the following URL:

https://support.oracle.com

TaxWeb Tax Rules Known Issues (ID 1339683.1)

The *TaxWeb Tax Rules Known Issues* document details the known issues and workaround in the current TaxWeb Tax Rules release used for RTIL and TaxWeb Tax Rules integration.

Copyright © 2011, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

The following restrictions and provisions only apply to the programs referred to in this section and licensed to you. You acknowledge that the programs may contain third party software (VAR applications) licensed to Oracle. Depending upon your product and its version number, the VAR applications may include:

(i) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.

(ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.

(iii) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

(iv) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

You acknowledge and confirm that Oracle grants you use of only the object code of the VAR Applications. Oracle will not deliver source code to the VAR Applications to you. Notwithstanding any other term or condition of the agreement and this ordering document, you shall not cause or permit alteration of any VAR Applications. For purposes of this section, "alteration" refers to all alterations, translations, upgrades, enhancements, customizations or modifications of all or any portion of the VAR Applications including all reconfigurations, reassembly or reverse assembly, re-engineering or reverse engineering and recompilations or reverse compilations of the VAR Applications or any derivatives of the VAR Applications. You acknowledge that it shall be a breach of the agreement to utilize the relationship, and/or confidential information of the VAR Applications for purposes of competitive discovery.

The VAR Applications contain trade secrets of Oracle and Oracle's licensors and Customer shall not attempt, cause, or permit the alteration, decompilation, reverse engineering, disassembly or other reduction of the VAR Applications to a human perceivable form. Oracle reserves the right to replace, with functional equivalent software, any of the VAR Applications in future releases of the applicable program.