Oracle® Retail Merchandising Foundation Cloud Service

Release Readiness Guide

Release 19.1.000

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Oracle Retail Merchandising Foundation Cloud Service Release Readiness Guide, Release 19.1.000

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Value-Added Reseller (VAR) Language

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Preface

This guide outlines the information you need to know about Retail Merchandising Foundation Cloud Service new or improved functionality in this update, and describes any tasks you might need to perform for the update. Each section includes a brief description of the feature, the steps you need to take to enable or begin using the feature, any tips or considerations that you should keep in mind, and the resources available to help you.

Audience

This document is for users and administrators of Oracle Retail Merchandising. This includes merchandisers, buyers, business analysts, and administrative personnel.

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- 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

Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times not be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

Oracle Retail product documentation is available on the following web site:

https://docs.oracle.com/en/industries/retail/index.html

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

If a more recent version of a document is available, that version supersedes all previous versions.

Oracle Help Center (docs.oracle.com)

Oracle Retail product documentation is available on the following web site:

https://docs.oracle.com/en/industries/retail/index.html

(Data Model documents can be obtained through My Oracle Support.)

Oracle Retail Cloud Services and Business Agility

Oracle Retail Foundation Cloud Service is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

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Feature Summary

The enhancements below are included in this release.

Column Definitions

- **Feature:** Provides a description of feature being delivered.

- **SR Number:** Identifies the SR number associated with the feature, if any.

- **Delivered:** Identifies whether the feature is Enabled or Disabled upon initial delivery.

- **Scale:** Identifies the size of the feature. Options are:

  - **Small:** These UI or process-based features are typically comprised of minor field, validation, or program changes. Therefore, the potential impact to users is minimal.

  - **Large:** These UI or process-based features have more complex designs. Therefore, the potential impact to users is higher.

- **Customer Action Required** – You must take action before these features can be used. These features are delivered disabled and you choose if and when to enable them.

Table 1–1

Feature	Module Impacted	Delivered	Scale	Customer Action Required?
Enhanced Support for Global Tax	Merchandising	Disabled	Large	Yes
Other Merchandising Impacts for Tax Enhancements	Merchandising	Disabled	Large	Yes
Sales Audit Impacts for Tax Enhancements	Sales Audit	Disabled	Small	Yes
Tax Dashboard	Merchandising	Enabled	Small	No
Merchandising Exchange Rate Enhancements	Merchandising	Enabled	Large	Yes
Exchange Rate Changes for Merchandising Transactions	Merchandising	Enabled	Large	No
Addition of Import Tables to Order Subscription API	Merchandising	Enabled	Small	No
Custom Validation Rules	Merchandising	Enabled	Small	Yes
Shipment Reconciliation Enhancements	Merchandising	Enabled	Small	No

Table 1–1   (Cont.)

Feature	Module Impacted	Delivered	Scale	Customer Action Required?
Approve Deals on Upload	Merchandising	Disabled	Small	Yes
Consignment Rate for Clearance and Promotional Items	Merchandising	Enabled	Small	Yes
Retention Days for Cost Changes	Merchandising	Disabled	Small	Yes
Automated Item List Rebuild	Merchandising	Disabled	Small	Yes
Mobile Merchandising Re-introduction	Merchandising	Enabled	Small	No
Modifications to Promotion Validation	Sales Audit	Disabled	Small	Yes
Updated Handling for Base and Custom Errors	Sales Audit	Enabled	Small	No
Updated Transaction Rule Validation	Sales Audit	Enabled	Small	No
Added Customer Order Information for Totals and Rules	Sales Audit	Enabled	Small	No
Added to Merchandising Screens for External Launch	Merchandising	Enabled	Small	No
Purge and Archive Expansion	Merchandising	Disabled	Small	Yes
New / Updated DAS Tables	Merchandising, Sales Audit	Disabled	Small	No
Merchandising Security Updates	Merchandising	Disabled	Small	Yes
Sales Audit Security Updates	Sales Audit	Disabled	Small	Yes
Merchandising Foundation Cloud Service Technical Upgrade	Merchandising	Enabled	Small	No
Flex Attribute Migration	Merchandising	Enabled	Small	No
Invocation of external services moved to the Application layer	Merchandising	Disabled	Small	Yes
Grocery Item Indicator Change	Merchandising	Disabled	Small	No

Enhanced Support for Global Tax

In order to support the more complex taxes that are required in countries and regions around the world, a new tax option has been added to Merchandising. When this new option is enabled, you will be able to use a new rule-based tax configuration, rather than configuring tax information at the item/region level.

The tax rules approach facilitates the support of more complex tax setup and maintenance, as well as provides a better way to see how taxes are set in the system. Tax rules can be created at higher levels and address multiple regions, making the tax maintenance simpler. With this new feature, it is possible to support:

- Countries with multiple tax regions

- Multiple taxes applied to the same item and transaction

- Taxes with complex calculations, such as tax over tax scenarios or per unit taxes,

- Taxes on non-merchandise costs

- Taxes calculated based on flexible attributes (CFAS)

A new batch process is then responsible for turning the tax rules setup into merchandise hierarchy and item level tax data. This data will be used in tax calculations in Merchandising, Sales Audit, Pricing, and Invoice Matching.

A new option for Default Tax Type, Global Tax, has been added to enable this new feature. This joins the already supported US Sales Tax and Simple VAT options, which continue to be available.

> **Note:** This new option is not applicable for US-based sales taxes.

System Options Updates

Table 1–2

Attribute Name	New/Updated?	Description	Patch Default
Closed Tax Rules Days	New	This system option is used to identify how many days to retain Global Tax rules that have been closed.	365
Default Tax Type	Updated	A new valid value, Global Tax Solution (GTS), was added to the existing system option, which determines what type of taxation is being used. No change will be made to your existing setting on application of the patch.	

Batch Schedule Impacts

Table 1–3

Process Name	Process Type	New/Updated?	Delivered
GTS_PURGE_CYCLE_PROCESS	Cyclic	New	Disabled
GTS_BUILDER_CYCLE_ PROCESS	Cyclic	New	Disabled

Code Updates

Table 1–4

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
DTAX	Default Tax Types	GTAX	Localized Tax Solution	Updated	Enabled
DTAX	Default Tax Types	GTS	Global Tax Solution	New	Enabled
VRCT	VAT Region Calc Type	G	Global	New	Enabled
GTST	Tax Rule Config Status	W	Worksheet	New	Enabled
GTST	Tax Rule Config Status	S	Submitted	New	Enabled
GTST	Tax Rule Config Status	AP	Approved	New	Enabled
GTST	Tax Rule Config Status	AC	Active	New	Enabled

Table 1–4 (Cont.)

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
GTST	Tax Rule Config Status	U	Updated	New	Enabled
GTST	Tax Rule Config Status	O	Closed	New	Enabled
GTTB	Global Tax Basis Type	B	Both	New	Enabled
GTTB	Global Tax Basis Type	C	Cost	New	Enabled
GTTB	Global Tax Basis Type	R	Retail	New	Enabled
GTTB	Global Tax Basis Type	N	Non-Merchandise	New	Enabled
GTTT	Global Tax Calculation Type	P	Percentage	New	Enabled
GTTT	Global Tax Calculation Type	U	Unit	New	Enabled
GTCT	Global Tax Rule Condition Type	1	All Departments	New	Enabled
GTCT	Global Tax Rule Condition Type	2	Department	New	Enabled
GTCT	Global Tax Rule Condition Type	3	Class	New	Enabled
GTCT	Global Tax Rule Condition Type	4	Subclass	New	Enabled
GTCT	Global Tax Rule Condition Type	5	Item	New	Enabled
GTCT	Global Tax Rule Condition Type	6	Parent/Diff	New	Enabled
GTCT	Global Tax Rule Condition Type	7	Item List	New	Enabled
GTCT	Global Tax Rule Condition Type	8	Upload List	New	Enabled
GTCT	Global Tax Rule Condition Type	0	Region	New	Enabled
GTRL	Global Tax Rule Restriction Level	M	Merchandise Hierarchy	New	Enabled
GTRL	Global Tax Rule Restriction Level	S	Source Region	New	Enabled
GTRL	Global Tax Rule Restriction Level	D	Destination Region	New	Enabled
GTRT	Global Tax Rule Transaction Type	ITMTAX	Item Tax Information	New	Enabled
GTRT	Global Tax Rule Transaction Type	PO	Purchase Order Information	New	Enabled
GTRT	Global Tax Rule Transaction Type	TSF	Transfer Information	New	Enabled
GTRT	Global Tax Rule Transaction Type	DEAL	Deal Information	New	Enabled
GTRT	Global Tax Rule Transaction Type	RTV	Return to Vendor Information	New	Enabled

Table 1–4   (Cont.)

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
GTRT	Global Tax Rule Transaction Type	POSSAL	B2C sales via POS	New	Enabled
GTRT	Global Tax Rule Transaction Type	SALES	Sales Information	New	Enabled
GTRT	Global Tax Rule Transaction Type	TAXINF	Tax rules information (no calculation)	New	Enabled
GTRT	Global Tax Rule Transaction Type	FO	Franchise orders information	New	Enabled
GTRT	Global Tax Rule Transaction Type	FR	Franchise returns information	New	Enabled
GTET	GTS Region explode type	A	Explode all	New	Enabled
GTET	GTS Region explode type	S	Explode to levels with the same source and destination tax regions only	New	Enabled
GTET	GTS Region explode type	D	Explode to levels with different source and destination tax regions only	New	Enabled

Data Access Schema (DAS) Updates

Table 1–5

Table Name	View Name	New/Updated?	Change Notes
SYSTEM_OPTIONS	DAS_WV_SYSTEM_OPTNS	Updated	New Column GTS_PURGE_DAYS added
PURGE_CONFIG_OPTIONS	DAS_WV_PURGE_CFG_OPTNS	Updated	New Column GTS_PURGE_DAYS added

Other Merchandising Impacts for Tax Enhancements

In addition to the new tax rules configuration, other changes were also required in Merchandising based on the new tax rule setup. These changes are only applicable if you have configured your environment to run using the default tax type of Global Tax.

Foundation

When configured for Global Tax, the tax region setup has been changed to optionally support a hierarchy of regions. Additionally, the department and item level VAT screens are disabled in this configuration because taxes are based on rules versus a set rate. But, a new Item Tax screen has been added under this configuration. In this screen, users are able to see all taxes applicable to the item and have the ability to create tax rules for a particular item.

Induction processes for VAT regions, tax codes, and non-merchandise codes were also adjusted to support the Global Tax configuration to avoid these being deleted if they are used in tax rules. Additionally, if a CFAS attribute for item, location, or supplier is associated with a tax rule it also cannot be deleted.

Additionally, for stores, warehouses, and suppliers, a new Tax ID attribute has been added and the existing field for partners has been made available for all partner types.

This field is optional for these entities and is used in invoicing processes.

Transaction Tax Calculations and Postings

A new tax calculation process will be used for Merchandising transactions when the Global Tax is configured as the default tax type, including support for multiple taxes. This includes the following transaction types: purchase orders, intercompany transfers, deal income, RTVs, and franchise sales and returns. The results of these calculations are stored as a record of tax related details related to each transaction.

All taxes for the same item/transaction are posted to the transaction level stock ledger separate from the transaction itself as part of the Global Tax configuration, which allows the tax information to be posted separately to the General Ledger.

Additionally, reverse tax calculations or self-assessment tax calculations are also supported in the Global Tax configuration, similar to what is supported with Simple VAT. This type of tax calculation is applied during purchase order receipts, but will have different postings for the Global Tax configuration, making it possible for you to have separate accounting for regular taxes versus those calculated in a self-assessment format.

> **Note:** Self-assessed tax calculations are not supported for inter-company transfers in this release.

Purchasing

Tax information shown on the purchase order header was enhanced to display multiple taxes, when applicable on a purchase order. Also in Order Details, an additional Tax Details tab was added in the Item Details contextual report for visibility to item level taxes on the order.

Invoicing

The invoice creation process in Merchandising has also been modified to ensure that multiple tax lines can be added for items being invoiced. The format for the EDI file, which gets integrated to Invoice Matching, is also changed to allow for multiple tax lines.

Steps to Enable

To enable Global Tax as the default tax type in your environment, see the details in the Enhanced Support for Global Tax requirement. In addition to setting up tax rules, if you enable Global Tax, then you will need to modify any custom Item Induction templates to remove the VAT_ITEM tab, as it are not used with this configuration.

Code Updates

Table 1–6

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
GLST	General Ledger Single Transactions	89C	GL Intf – Reverse Tax In (Cost)	Updated	Y
GLST	General Ledger Single Transactions	90R	GL Intf - Reverse Tax Out (Retail)	Updated	Y
GLMT	General Ledger Monthly Transactions	89C	GL Interface - Reverse Tax In (Cost)	Updated	Y

Table 1–6   (Cont.)

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
GLMT	General Ledger Monthly Transactions	90R	GL Intf - Reverse Tax Out (Retail)	Updated	Y
GLRT	General Ledger Rolled Transactions	89C	GL Interface - Reverse Tax In (Cost)	Updated	Y
GLRT	General Ledger Rolled Transactions	90R	GL Interface - Reverse Tax Out (Retail)	Updated	Y

Data Access Schema (DAS) Updates

Table 1–7

Table Name	View Name	New/Updated?	Change Notes
GTS_TAX_DTL_TSF	DAS_WV_GTS_TAX_DTL_TSF	New	New table is being added to hold the multi tax line in case of 88/87 or 89/90 posting for Inter-company Transfers.
GTS_TAX_DTL_DEAL	DAS_WV_GTS_TAX_DTL_DEAL	New	New table is being added to hold the multi tax line in case of 88/87 or 89/90 posting for Deals
GTS_TAX_DTL_PO	DAS_WV_GTS_TAX_DTL_PO	New	New table is being added to hold the multi tax line in case of 88/87 or 89/90 posting for Purchase Orders
GTS_TAX_DTL_RTV	DAS_WV_GTS_TAX_DTL_RTV	New	New table is being added to hold the multi tax line in case of 88/87 or 89/90 posting for RTV.
GTS_TAX_DTL_WFORDRTN	DAS_WV_GTS_TAX_DTL_WFORDRTN	New	New table is being added to hold the multi tax line in case of 88/87 or 89/90 posting for Inter-company Transfers.
DAILY_DATA	DAS_WV_DAILY_DATA	Updated	New Column added REVERSE_TAX_IN_COST and REVERSE_TAX_OUT_RETAIL
WEEK_DATA	DAS_WV_WEEK_DATA	Updated	New Column added REVERSE_TAX_IN_COST and REVERSE_TAX_OUT_RETAIL
MONTH_DATA	DAS_WV_MONTH_DATA	Updated	New Column added REVERSE_TAX_IN_COST and REVERSE_TAX_OUT_RETAIL
STORE	DAS_WV_STORE	Updated	New column TAX_ID added
SUPS	DAS_WV_SUPS	Updated	New column TAX_ID added
WH	DAS_WV_WH	Updated	New column TAX_ID added
VAT_REGION	DAS_WV_VAT_REGION	Updated	New column PARENT_REGION added

Integration Impacts

Table 1–8

API Name	New/Updated?	Integration Type	Field Name	Change Notes
Vendor Subscription	Updated	RIB	TAX_ID	Optional field TAX_ID added in the VendorHdrDesc. This field holds the Tax Identification Number for the Supplier.
Supplier Service	Updated	Web Service	TAX_ID	Optional field TAX_ID added in the SupAttr. This field holds the Tax Identification Number for the Supplier.
Store Subscription	Updated	RIB	TAX_ID	Optional field TAX_ID added in the XStoreDesc. This field holds the Tax Identification Number for the Store
Partner Subscription	Updated	RIB	TAX_ID	Field length changed from varchar2(18) to varchar2(20)
VAT Publication	Updated	BDI	PARENT_REGION	PARENT_REGION added in this BDI outbound Interface - Vat_Fnd_BdiInterfaceModule. This field contains the parent VAT region for the corresponding VAT_REGION column value.
Item Induction Upload	Updated	Batch		The templates for the item induction spreadsheet and batch will no longer contain the VAT_ITEM sheet in a Global Tax configuration. If you have custom templates using these, they must be removed.

Sales Audit Impacts for Tax Enhancements

Several minor impacts to Sales Audit were made to support the new Global Tax configuration in Merchandising. Sales Audit previously supported receiving and managing multiple taxes for an item on transactions, but with this release enhancements were made to support per-unit taxes, as well as Merchandising integration changes related to taxes. A new field has also been added in the RTLOG and Sales Audit to differentiate whether the tax is a percent-based tax or a per-unit tax. This is shown as the Tax Calc Type. Some changes have also been made related to how tax data is passed to Merchandising. For any per-unit taxes that are received in Sales Audit at an item level in a transaction, a rate will be calculated for inclusion on tax transaction data records. Also, when taxes are received at a transaction level rather than item level, they will be apportioned to all items in the transaction that are determined to be taxable. These changes are only applicable if the default tax type in Merchandising is Global Tax.

Steps to Enable

If you are running with a Default Tax Type in Merchandising as Simple VAT (SVAT) or US Sales Tax (SALES), then no change is required to the RTLOG format. If you have enabled Global Tax as your Default Tax Type in Merchandising, then you will need to

modify the IGTAX file format to include the basis for the tax calculation. See the Integration Impact section for more details.

Data Access Schema (DAS) Updates

Table 1–9

Table Name	View Name	New/Updated?	Change Notes
SA_TRAN_IGTAX	DAS_WV_SA_TRAN_IGTAX	Updated	New Column TAX_CALC_TYPE added
SA_TRAN_IGTAX_REV	DAS_WV_SA_TRAN_IGTAX_REV	Updated	New Column TAX_CALC_TYPE added

Integration Impacts

Table 1–10

API Name	New/Updated?	Integration Type	Field Name	Change Notes
SAIMPTLOG/SAIMPTLOGI	Updated	Flat File	TAX_CALC_TYPE	Added a new field to the IGTAX line. This field contains the tax calculation type for the item tax line if you are running in a Global Tax configuration. Valid values are P - Percent-based or U - Per-Unit. No change is required if configured with Simple VAT or US Sales Tax.

Tax Dashboard

As part of the global tax enhancements, a dashboard was created as a new option in the Reports menu. The intent of this dashboard is to highlight to financial managers the areas where tax setup is incomplete. Three reports will be available on this dashboard by default:

- Rules with Upcoming End Dates
- Rules Pending Approval
- Missing Tax Setup

System Options Updates

Table 1–11

Attribute Name	New/Updated?	Description	Patch Default
Number of Weeks for Expiring Rules	New	This report option is used to define the number of weeks to consider for the Rules with Upcoming End Dates report.	4
Number of Weeks for Pending Approval Rules	New	This report option is used to define the number of weeks to consider for the Rules Pending Approval report.	4

Merchandising Exchange Rate Enhancements

Previously, Merchandising employed an approach of holding all exchange rates between the primary currency and another currency. So, when a conversion was required between two currencies that are different from the primary currency, it would first convert the source currency into the primary and then from the primary to the target currency. This two-stage conversion sometimes resulted in calculation or rounding errors. In this update, changes have been made to store currency conversions between all currencies held in Merchandising, not just the exchange rates with primary. If a direct rate is not available for conversion between two currencies, then a conversion via the primary currency is used.

The Currency Exchange Rate subscription used by Merchandising to subscribe to exchange rates from Financials via Oracle Retail Financial Integration (RFI) has been enhanced to subscribe to exchange rates not just against the primary currency but between any two currencies that exist in Merchandising.

The table holding currency exchange rates in Merchandising has been modified to add a new column for the from currency. When the patch is applied, it will be updated with the primary currency for pre-existing exchange rate records to maintain previous functionality. The from currency field was also added on the template-based uploads and downloads of exchange rate information.

Because it is expected that the number of historical exchange rates in Merchandising will increase based on this change, a new background process has also been introduced to cleanup non-active exchange rate records that are older than the value specified by the new Currency Rate Purge Months system option.

The Exchange Rates publisher from Merchandising has been deprecated, as it was not actually sending exchange rates for the last several releases. The assumption is that any other solutions that require currency rates would subscribe to the same source (usually Financials) as Merchandising and Merchandising would not be a pass through for this information. Lastly, the Euro triangulation functionality, which was added when the Euro was first introduced, has been removed as it is no longer required with the above defined changes.

Steps to Enable

There are several steps needed to enable this new functionality:

1. Determine the number of months that you wish to retain historical currency exchange rates in Merchandising and set the new system option accordingly.

   a. In the Merchandising task list, select Application Administration > System Options.

   b. Navigate to the Data Retention section and locate the new Currency Rates Retention Months option.

   c. Update the value to the number of months you wish to retain rates.

   d. Click Save and Close to save your changes and exit the system options screen.

2. Log an SR to enable the background process for purging older exchange rates. See also the Batch Schedule section below.

3. Recommended: Remove currencies that are not relevant for your business from Merchandising so as to avoid importing unnecessary To and From exchange rates for your business. To remove unused currencies, do the following:

   a. From the Merchandising task list, select Foundation Data > Download Foundation Data.

   b. In the Download Data screen, select the template type Finance Administration and template Currencies.

   c. Then, click Download and when prompted, select to open the data in the spreadsheet application of your choosing.

   d. In the Currencies tab, navigate to the first non-used currency and select Delete in the Action column.

   e. In the Currency Translations tab, navigate to each instance of the currency marked for Delete in step d and select Delete in the Action column. Using the filtering option in your spreadsheet application may be helpful with this step.

   f. In the Currency Exchange Rates tab, navigate to each instance of the currency marked for Delete in step d and select Delete in the Action column. Using the filtering option in your spreadsheet application may be helpful with this step.

   g. Repeat steps d-f until all unused currencies have been flagged for delete.

   h. Save your updated spreadsheet to a local directory (retaining the .ods extension) and close the document.

   i. In the Merchandising task list, select Foundation Data > Upload Foundation Data.

   j. In the Upload Data screen, select the template type Finance Administration and template Currencies. Then, using the Browse button, select the file that you saved in step h. The Process Description will default for you. Then click Upload.

   k. Lastly, validate that there were no errors with your updates. From the Merchandising task list, select Foundation Data > Review Status.

   l. In the Data Loading Status screen, navigate to the row containing the process description that defaulted in step j. If the status is Processed Successfully, the currencies were successfully deleted. If there are errors, use the View Issues button to get more information on the errors and correct your updates. Once the data is corrected, repeat steps i and j.

System Options Updates

Table 1–12

Attribute Name	New/Updated?	Description	Patch Default
Currency Rates Retention Months	New	Indicates the number of months after which an exchange rate can be purged once it is no longer active. All inactive currency rate records older than this number of months will be purged.	18

Batch Schedule Impacts

Table 1–13

Process Name	Process Type	New/Updated?	Delivered
CURRENCY_RATES_CHANGE_ PURGE_JOB	Background Process	New	Disabled

Steps to Enable

Log an SR to enable this background process. As part of the SR, you will need to indicate how many times per day that you wish this background process to execute.

Data Access Schema (DAS) Updates

Table 1–14

Table Name	View Name	New/Updated?	Change Notes
PURGE_CONFIG_OPTIONS	DAS_WV_PURGE_CFG_ OPTNS	Updated	New column added - CURRENCY_RATES_PURGE_ MONTHS.This field indicates the number of months after which an exchange rate can be purged from the system once it is no longer active. All inactive currency rates records older than this number of months will be purged.
SYSTEM_OPTIONS	DAS_WV_SYSTEM_ OPTNS	Updated	New column added - CURRENCY_RATES_PURGE_ MONTHS.This field indicates the number of months after which an exchange rate can be purged from the system once it is no longer active. All inactive currency rates records older than this number of Months will be purged.

Table 1–14   (Cont.)

Table Name	View Name	New/Updated?	Change Notes
ORDHEAD	DAS_WV_ORDHEAD	Updated	New column added - EXCHANGE_RATE_IND.This field Indicates the currency against which the exchange rate has been captured on the entity. Valid values are: P (Primary) or L (Local) currency.
ORDLOC_EXP	DAS_WV_ORDLOC_ EXP	Updated	New column added - EXCHANGE_RATE_IND.This field Indicates the currency against which the exchange rate has been captured on the entity. Valid values are: P (Primary) or L (Local) currency.
CURRENCY_RATES	DAS_WV_CURRENCY_ RATES	Updated	New column added - FROM_ CURRENCY_CODE. This field holds the currency code for which direct exchange rate is defined

Exchange Rate Changes for Merchandising Transactions

The below documents in Merchandising previously captured and displayed the exchange rate against primary currency:

- Purchase Orders
- Order Expenses
- Transportation
- Custom Entries
- Obligations
- Franchise Orders

Given that the stock ledger is maintained in local currency, the previous posting process for most of these documents included a second conversion from the primary currency to the local currency. For example, the exchange rate on a PO is between the supplier's currency and the primary currency. But, on receipt, the exchange rate was converted from supplier to primary to local for posting in the stock ledger.

With this update, the rate captured and displayed on each of these documents will be the rate against the currency of the location on the document, so that a single conversion step will suffice for stock ledger posting. Since the local currency could differ based on the locations on the document, any new documents created after this update will have a suffix added to the exchange rate displayed in the user interface to provide users visibility to which currency the exchange rate corresponds to. Documents created prior to the upgrade shall not display this suffix. The rate on previously created documents will continue to be the rate against the primary currency. The local currency suffix can thus be used to distinguish documents with rates captured against the location currency from those wherein the rate was against the primary currency. The image below shows how the prefix is displayed for a purchase order exchange rate.

The posting process for any of the above listed documents created post the upgrade will leverage direct exchange rates for conversions between the two currencies, if it exists. If direct rates do not exist then the previous process of conversion via the primary currency will be attempted. If this too is not possible then an error will be flagged indicating that exchange rates don't exist. Documents created prior to the upgrade will use the pre-existing process of conversion via the primary currency. In cases wherein the currency rate on the document is optional and a rate has not been captured on the document, the conversion process will proceed to use exchange rate values received from finance as an alternative for conversion.

Exchange Rate Changes for ALC Finalization

Previously, the process of Actual Landed Cost (ALC) Finalization was managed in primary currency and any variances identified required a further leg of conversion to enable posting in local currency. From this release onward, the ALC Finalization screens shall display the estimated, actual values and variances directly in local currency thereby ensuring that the variance displayed on screen is the exact value posted. Purchase orders for which the ALC finalization process was initiated prior to this update will use the pre-existing approach wherein the computation and display is done in primary currency and subsequently converted to local currency for posting purposes. All purchase orders for which finalization is initiated post this update will carry out the finalization directly in local currency.

Addition of Import Tables to Order Subscription API

Previously, the Order Subscription API that is used to feed purchase orders to Merchandising from an external system did not support import order attributes, such as harmonized tariff schedules (HTS), letter of credit, expenses, or the master order number. To better facilitate integrating import orders using this API, enhancements have been made in order to accept these details. The new set of fields have been added in the API in such a way that they are not mandatory, so if you are using this API, changes do not need to be made to your integration, unless you choose to start using these components.

> **Note:** There is a known issue with these changes that key attributes at the order header level needed for the Letter of Credit payment method are not available with these two integration methods (purchase type, payment method, FOB title pass and FOB title pass description). These will be addressed in a patch post release.

Integration Impacts

Table 1–15

API Name	New/Updated?	Integration Type	Field Name	Change Notes
PO Subscription API (Create and Modify)	Updated	RIB	**XOrderDesc** ■ MASTER_PO_NO ■ LADING_PORT ■ DISCHARGE_PORT ■ FACTORY ■ AGENT ■ SHIP_METHOD ■ PARTNER_TYPE_1 ■ PARTNER1 ■ PARTNER_TYPE_2 ■ PARTNER2 ■ PARTNER_TYPE_3 ■ PARTNER3	The new fields are optional at the header level. Additionally, the following new nodes were added to this RIB message: ■ **XOrderLC** - to associate letter of credit information linked to the PO ■ **XOrderLocExp** - to associate expense information with a particular item/location on the PO ■ **XOrderSkuHTS** - to associate HTS codes with a given item on the PO -**XOrderSkuHTSAssess** - as a sub node to XOrderSkuHTS to define the assessments associated with a given order/item/HTS code
			XOrderLC ■ LC_REF_ID ■ LC_GROUP_ID ■ APPLICANT ■ BENEFICIARY ■ MERCH_DESC ■ TRANSSHIPMENT_IND ■ PARTIAL_SHIPMENT_IND ■ LC_IND	

Table 1–15   (Cont.)

API Name	New/Updated?	Integration Type	Field Name	Change Notes
			XOrdLocExp	
			■ ITEM	
			■ PACK_ITEM	
			■ LOCATION	
			■ LOC_TYPE	
			■ COMP_ID	
			■ CVB_CODE	
			■ COST_BASIS	
			■ COMP_ RATE	
			■ COMP_ CURRENCY	
			■ EXCHANGE_R ATE	
			■ PER_ COUNT	
			■ PER_ COUNT_ UOM	
			■ NOM_ FLAG_1	
			■ NOM_ FLAG_2	
			■ NOM_ FLAG_3	
			■ NOM_ FLAG_4	
			■ NOM_ FLAG_5	
			XOrderSkuHTS	
			■ ITEM	
			■ PACK_ITEM	
			■ HTS	
			■ STATUS	
			■ ORIGIN_ COUNTRY_ ID	

Table 1–15   (Cont.)

API Name	New/Updated?	Integration Type	Field Name	Change Notes
			XOrdSkuHTSAssess ■ COMP_ID ■ CVB_CODE ■ COMP_ RATE ■ PER_ COUNT ■ PER_ COUNT_ UOM ■ NOM_ FLAG_1 ■ NOM_ FLAG_2 ■ NOM_ FLAG_3 ■ NOM_ FLAG_4 ■ NOM_ FLAG_5	
PO Subscription API (Delete)	Updated	RIB	**XOrderLocExpRef** ■ ITEM ■ PACK_ITEM ■ LOCATION ■ COMP_ID **XOrderSkuHTSRef** ■ ITEM ■ PACK_ITEM ■ HTS **XOrderSkuHTSAssessRef** ■ COMP_ID	The following new optional nodes each representing an Import table have been added to the XOrderRef message to support delete of the associated PO import information. ■ **XOrderLocExpRef** - to remove expense information associated with a particular item/location on the PO ■ **XOrderSkuHTSRef** - to remove HTS codes associated with a given item on the PO - **XOrderSkuHTSAssessRef** to remove assessments associated with a given order/item/HTS code

Table 1–15 (Cont.)

API Name	New/Updated?	Integration Type	Field Name	Change Notes
Order Management Service (Create and Update)	Updated	SOAP Service	**XOrderDesc** ■ MASTER_PO_NO ■ LADING_PORT ■ DISCHARGE_PORT ■ FACTORY ■ AGENT ■ SHIP_METHOD ■ PARTNER_TYPE_1 ■ PARTNER1 ■ PARTNER_TYPE_2 ■ PARTNER2 ■ PARTNER_TYPE_3 ■ PARTNER3	New optional attributes have been added at the header level for import details. Also, the following optional attributes have been added to the XOrderDesc node ■ **XOrderLC** - letter of credit information linked with the PO ■ **XOrderLocExp** - expense information associated with a particular item/location on the PO ■ **XOrderSkuHTS** - HTS codes associated with a given item on the PO - **XOrderSkuHTSAssess** - assessments associated with a given order/item/HTS code Operations Impacted: ■ createDetail ■ createXOrderColDesc ■ modifyDetail
			XOrderLC ■ LC_REF_ID ■ LC_GROUP_ID ■ APPLICANT ■ BENEFICIARY ■ MERCH_DESC ■ TRANSSHIPMENT_IND ■ PARTIAL_SHIPMENT_IND ■ LC_IND	

Table 1–15   (Cont.)

API Name	New/Updated?	Integration Type	Field Name	Change Notes
			XOrdLocExp	
			■ ITEM	
			■ PACK_ITEM	
			■ LOCATION	
			■ LOC_TYPE	
			■ COMP_ID	
			■ CVB_CODE	
			■ COST_BASIS	
			■ COMP_ RATE	
			■ COMP_ CURRENCY	
			■ EXCHANGE_R ATE	
			■ PER_ COUNT	
			■ PER_ COUNT_ UOM	
			■ NOM_ FLAG_1	
			■ NOM_ FLAG_2	
			■ NOM_ FLAG_3	
			■ NOM_ FLAG_4	
			■ NOM_ FLAG_5	
			XOrderSkuHTS	
			■ ITEM	
			■ PACK_ITEM	
			■ HTS	
			■ STATUS	
			■ ORIGIN_ COUNTRY_ ID	

Table 1–15 (Cont.)

API Name	New/Updated?	Integration Type	Field Name	Change Notes
			XOrdSkuHTSAssess	
			▪ COMP_ID	
			▪ CVB_CODE	
			▪ COMP_RATE	
			▪ PER_COUNT	
			▪ PER_COUNT_UOM	
			▪ NOM_FLAG_1	
			▪ NOM_FLAG_2	
			▪ NOM_FLAG_3	
			▪ NOM_FLAG_4	
			▪ NOM_FLAG_5	
Order Management Service (Delete)	Updated	SOAP Service	**XOrderLocExpRef**	The following new optional nodes each representing an Import table have been added to the XOrderRef message to support delete of the associated PO import information.
			▪ ITEM	
			▪ PACK_ITEM	▪ **XOrderLocExpRef** - to remove expense information associated with a particular item/location on the PO
			▪ LOCATION	
			▪ COMP_ID	
			XOrderSkuHTSRef	▪ **XOrderSkuHTSRef** - to remove HTS codes associated with a given item on the PO
			▪ ITEM	
			▪ PACK_ITEM	-**XOrderSkuHTSAssessRef** - to remove assessments associated with a given order/item/HTS code
			▪ HTS	
			XOrderSkuHTSAssessRef	Operations Impacted:
			▪ COMP_ID	▪ deleteDetail

Custom Validation Rules

To provide retailers with flexibility to supplement built-in validations while submitting and approving key foundation entities, like items, or transaction entities like purchase orders, a new custom validation rule configuration functionality will be introduced in Merchandising. Each supported entity can have one or more rules which are executed in addition to base validations. For example, you could build a rule that supports validating that a PO type has been associated with all purchase orders prior to approval. This functionality will use a rule builder similar to that used by Sales Audit for building custom rules. With this release, custom validations will be supported for the following:

- Item Submission/Approval
- Purchase Order Submission/Approval
- Supplier Activation/Deactivation
- Partner Activation/Deactivation

Steps to Enable

To enable this feature and start creating rules, you must follow the security configuration instructions for this release to add this duty to the roles that you wish to allow access to this feature.

Code Updates

Table 1–16

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
CVLO	Custom Validation Logical Operators	AND	and	New	Enabled
CVLO	Custom Validation Logical Operators	OR	or	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	=	=	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	!=	!=	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	<	<	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	>	>	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	>=	>=	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	<=	<=	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	B	BETWEEN	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	NB	NOT BETWEEN	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	IN	IN	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	NOT IN	NOT IN	New	Enabled

Table 1–16 (Cont.)

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
CVAO	Custom Validation Rules Restriction Arithmetic Operation	NULL	IS NULL	New	Enabled
CVAO	Custom Validation Rules Restriction Arithmetic Operation	!NULL	IS NOT NULL	New	Enabled
CVRS	Custom Validation Rules Status	W	WORKSHEET	New	Enabled
CVRS	Custom Validation Rules Status	S	SUBMITTED	New	Enabled
CVRS	Custom Validation Rules Status	A	APPROVED	New	Enabled
CVRS	Custom Validation Rules Status	C	CLOSED	New	Enabled
CVRE	Custom Validation Rules Execution Order	1	1	New	Enabled
CVRE	Custom Validation Rules Execution Order	2	2	New	Enabled
CVRE	Custom Validation Rules Execution Order	3	3	New	Enabled
CVRE	Custom Validation Rules Execution Order	4	4	New	Enabled
CVRE	Custom Validation Rules Execution Order	5	5	New	Enabled
CVRE	Custom Validation Rules Execution Order	6	6	New	Enabled
CVRE	Custom Validation Rules Execution Order	7	7	New	Enabled
CVRE	Custom Validation Rules Execution Order	8	8	New	Enabled
CVRE	Custom Validation Rules Execution Order	9	9	New	Enabled
CVRE	Custom Validation Rules Execution Order	10	10	New	Enabled
CVRE	Custom Validation Rules Execution Order	11	11	New	Enabled
CVRE	Custom Validation Rules Execution Order	12	12	New	Enabled
CVRE	Custom Validation Rules Execution Order	13	13	New	Enabled
CVRE	Custom Validation Rules Execution Order	14	14	New	Enabled
CVRE	Custom Validation Rules Execution Order	15	15	New	Enabled
CVRE	Custom Validation Rules Execution Order	16	16	New	Enabled

Table 1–16   (Cont.)

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
CVRE	Custom Validation Rules Execution Order	17	17	New	Enabled
CVRE	Custom Validation Rules Execution Order	18	18	New	Enabled
CVRE	Custom Validation Rules Execution Order	19	19	New	Enabled
CVRE	Custom Validation Rules Execution Order	20	20	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	+	+	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	-	-	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	*	*	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	/	/	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	(	(	New	Enabled
CVCP	Custom Validation Rules Complex Parameter Arithmetic Operation	)	)	New	Enabled
CVPA	Presence Absence Indicator	P	Presence	New	Enabled
CVPA	Presence Absence Indicator	A	Absence	New	Enabled
TLLT	Translation code for default UI label to be used for base system of record RMS table for the entity.	CVRN	Validation Rule	New	Enabled
TLLC	Translation code for default UI label to be used for the field if the label is not available in the UI layer.	CVRN	Rule Description	New	Enabled

Shipment Reconciliation Enhancements

Two enhancements have been introduced in the shipment reconciliation functionality for improved usability and mass maintenance capabilities.

First, the restriction in the Stock Order Reconciliation screen that only allowed shipments without a receipt to be reconciled using Forced Receipt has been removed. Going forward, any of the four available reconciliation methods (Freight Claim, Forced Receipt, Shipping Location, or Receiving Location) can be selected to reconcile shipments without receipt.

Additionally, enhancements have been made in Stock Orders Pending Close dashboard report for a smoother workflow and mass resolution of discrepancies. There will now be an option to reconcile one or multiple shipments directly from this report by specifying an adjustment type, similar to Stock Order Reconciliation screen. To facilitate this action, this report has been modified to show information at the stock order/shipment level. Several new columns such as Shipment Status, Shipment Date, and Days Since Shipment have been added to provide more information about the shipment and thereby assist in taking appropriate action.

Approve Deals on Upload

Deals that get uploaded through batch were previously always created in Worksheet status and were required to be manually approved. To avoid this manual intervention, enhancements have been made to leverage a new supplier attribute to determine whether to attempt to approve a deal when uploading or leave it in the worksheet status. This new attribute, which is at the supplier level (not supplier site) will be available for update in the Supplier page, as well as in the Supplier Subscription API. If the deal does not pass the validations required for submitting and approving a deal, then the deal will still be created on upload, but it will remain in Worksheet status.

After this update is applied, the new attribute will be set to Worksheet for all suppliers to mimic previous application behavior.

Steps to Enable

1. In the Merchandising task list, select Foundation Data > Supplier and Partner Foundation. Then, select Manage Suppliers.

2. Enter criteria to search for all suppliers that you would like to have deals set to submitted or approved status on upload and click Search.

3. For each supplier that requires an update, click on the hyperlink for the supplier ID to open the Supplier page.

4. Navigate to the Deal Status for Uploads attribute and update the value to either Submit or Approve.

Repeat for each supplier where you want to change the default upload status. The Supplier Subscription API could also be used to update this attribute for suppliers, if desired.

Code Updates

Table 1–17

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
DLUS	Deal Upload Status	W	Worksheet	New	Y
DLUS	Deal Upload Status	S	Submitted	New	Y
DLUS	Deal Upload Status	A	Approved	New	Y

Data Access Schema (DAS) Updates

Table 1–18

Table Name	View Name	New/Updated?	Change Notes
SUPS	DAS_WV_SUPS	Updated	New column DEAL_UPLOAD_ STATUS added in SUPS table

Integration Impacts

Table 1–19

API Name	New/Updated?	Integration Type	Field Name	Change Notes
Supplier Subscription API	Updated	RIB	Deal_upload_ status	Indicates whether deals uploaded from this supplier should be automatically approved. Only applies for suppliers, not supplier sites. Valid values are worksheet (W), submit (S), or approve (A).

Consignment Rate for Clearance and Promotional Items

Two new billing types, Promotional Consignment Rate and Clearance Consignment Rate, have been introduced in order to support a special purchase rate that can be used for consignment items that are part of a promotional offer or are on clearance. This would only apply to consignment items that use a purchase rate as the calculation basis for cost, as that rate is based on the selling unit retail. These deal types will be able to be created in the Deals page in Merchandising, or using the Deal Upload process. These deal types will also be present in Deal Search. Concession items are not eligible for these types of deals.

When a Clearance Consignment Rate deal is active, and when a consignment item that is on clearance is sold, the rate that will apply on the related purchase order will use the special rate defined in the deal, rather than the regular purchase rate. When a Promotion Consignment Rate deal is active, then if an item is sold with discounts applied based on a promotional offer linked to a Promotion Consignment Rate deal, the special rate defined in the deal will be used rather than the regular purchase rate.

Steps to Enable

To enable one or both of the new deal types to be visible to users, the following steps should be followed:

1. From the Merchandising task list, select Foundation Data > Download Foundation Data.

2. Select template type Administration and template Codes and Descriptions and click Download. You may want to filter the download to only export the details on code type DLBT.

3. Open the .ods file that is downloaded in your preferred spreadsheet application and navigate to the row in the spreadsheet that contains PCR and/or CCR.

4. In the Action column, select Update and then in the Used column, change the value to Y to indicate it should be enabled.

5. Save the .ods file with your changes and close the document.

6. Return to Merchandising and from the task list, select Foundation Data > Upload Foundation Data.

7. Select template type Administration and template Codes and Descriptions. Then, click the Browse... button to select the file where you made your changes. Click Upload.

If you choose to create this type of deal via the Deal Upload API and are currently using this API for uploading other types of deals, then there is an impact to the format of the file. See Integration Impacts for details.

Code Updates

Table 1–20

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
DLBT	Deal Billing Types	CCR	Clearance Consignment Rate	New	Disabled
DLBT	Deal Billing Types	PCR	Promotional Consignment Rate	New	Disabled

Data Access Schema (DAS) Updates

Table 1–21

Table Name	View Name	New/Updated?	Change Notes
FUTURE_COST	DAS_WV_FUTURE_ COST	Updated	New column OWNERSHIP_ CHANGE_ID added

Integration Impacts

Table 1–22

API Name	New/Updated?	Integration Type	Field Name	Change Notes
DEALUPLD_JOB	Updated	Flat File	CONSIGNMENT _RATE	For the new types of deals introduced in this release, this new field is required in the flat file input. No change is required to the file format if not using the Clearance Consignment Rate or Promotion Consignment Rate deal types.

Retention Days for Cost Changes

Previously, when a cost change was executed, it was immediately purged from the system. This is a bit different than the standard followed by other transactions in Merchandising, where there are a certain number of days that an event is retained after it is executed. To align with the solution standard, a new system option Extracted Cost Changes Days has been added that will allow executed cost changes within the system to be retained for the specified number of days before they are finally purged. Also as part of this change, the existing system option Cost Event History days was moved to the system options table containing other purge configurations. The DAS views for the purge configuration table has also been updated for both of these parameters.

Steps to Enable

Initially the value for the new system option will be 0, which will mimic current functionality. To update the value based on your business requirements, do the following:

1. In Merchandising, select Application Administration and then System Options from the task list.

2. Navigate to the Data Retention section on the System Options page.

3. Update the number of days for the Extracted Cost Changes parameter under Cost to the value that is appropriate for your business, between 0-999 days.

System Options Updates

Table 1–23

Attribute Name	New/Updated?	Description	Patch Default
Extracted Cost Changes	New	Indicates the number of days after a cost change goes into effect that it will be retained by the system. After this number of days have elapsed, the cost change will be removed.	0
Cost Event History Days	Updated	Moved column COST_EVENT_HIST_DAYS from FOUNDATION_UNIT_OPTIONS to PURGE_CONFIG_OPTIONS.	N/A

Data Access Schema (DAS) Updates

Table 1–24

Table Name	View Name	New/Updated?	Change Notes
PURGE_CONFIG_OPTIONS	DAS_WV_PURGE_CFG_OPTNS	Updated	New columns RETN_EXTRACTED_COST_CHG and COST_EVENT_HIST_DAYS
FOUNDATION_UNIT_OPTIONS	DAS_WV_FOUNDATION_UNIT_OPTNS	Updated	Column COST_EVENT_HIST_DAYS is obsoleted as this is moved to PURGE_CONFIG_OPTIONS
SYSTEM_OPTIONS	DAS_WV_SYSTEM_OPTNS	Updated	New column RETN_EXTRACTED_COST_CHG

Automated Item List Rebuild

Previously in Merchandising there was no process to automatically rebuild item lists that are created as dynamic; they could only be rebuilt manually prior to usage. With this enhancement, a batch process has been added to rebuild dynamic item lists automatically, similar to location lists. All item lists that are flagged for batch rebuilding will be automatically rebuilt during the nightly batch process. Dynamic item lists that are flagged for batch rebuilding can also be manually rebuilt, as needed, when applying to events.

Steps to Enable

In order to flag certain item lists for batch rebuilding, you will need to follow these steps:

1. From the Merchandising task list, select Items and then Manage Item Lists.

2. Using the search criteria, find the first list that you wish to update and click on the hyperlinked ID or select Edit from the Actions menu.

3. Set Batch Rebuild Indicator as Yes. Then, selected Save and Close to save your change.

4. Repeat for all item lists you want to enable for this function.

Additionally, you will need to enable the batch process that does the rebuilding in your batch schedule. See the details below for which job to enable.

Batch Schedule Impacts

Table 1–25

Process Name	Process Type	New/Updated?	Delivered
ITMLRBLD_CYCLE_JOB (in LCLRBLD_SITMAIN_CYCLE_ PROCESS)	cyclic	New	Disabled
ITMLRBLD_JOB (in LCLRBLD_ SITMAIN_PROCESS)	nightly	New	Disabled
ITMLRBLD_ADHOC_JOB (in LCLRBLD_SITMAIN_PROCESS_ ADHOC)	ad-hoc	New	Disabled

Steps to Enable

To enable the above jobs as part of your nightly batch cycle, follow the instructions below.

1. Log into the Process Orchestration and Monitoring (POM) application with the Administrator role

2. In the task list, select Schedules > MERCH > Administration > Batch Administration. This will bring up the MERCH: Batch Administration screen which has the following panels:

   a. Batch Applications and Modules

   b. Batch Cycle Management

   c. Batch Jobs

3. Under Batch Jobs, scroll (or filter) to locate the jobs to be enabled and click the Enabled check box to enable or disable the job. Repeat until all jobs have been updated.

4. Click Save and Close to save your changes and update the schedule.

> **Note:** After saving, the changes will take effect once the new scheduler day is created. The changes will not take effect for the current day.

Code Updates

Table 1–26

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
ILBR	Item List Batch Rebuild Indicator	Y	Yes	New	Enabled (Used = Y)
ILBR	Item List Batch Rebuild Indicator	N	No	New	Enabled (Used = Y)
ILBR	Item List Batch Rebuild Indicator	A	All	New	Enabled (Used = Y)

Data Access Schema (DAS) Updates

Table 1–27

Table Name	View Name	New/Updated?	Change Notes
SKULIST_HEAD	DAS_WV_SKULIST_HEAD	Updated	New column - BATCH_REBUILD_IND

Mobile Merchandising Re-introduction

The Merchandising mobile workflows are being re-introduced with this release to better support SaaS implementations and to provide increased usability. The mobile workflows that are available for Merchandising are Recent Orders and Recent Transfers. Additionally, for Sales Audit, there is a mobile dashboard workflow.

Modifications to Promotion Validation

For customers using Oracle Retail Customer Engagement (ORCE), rather that Oracle Retail Pricing Cloud Service, to create and manage promotions and offers, there previously was not an option to have the promotional information audited in Sales Audit. With this release, Sales Audit will have the ability to read promotions and offers from ORCE as well, so that this can now be part of the audited details.

Steps to Enable

In order to enable Sales Audit to audit the promotions and offers from ORCE, you will need to

1. Follow the steps below in the Batch Schedule Impacts section to enable the new batch used to import the promotion details from ORCE and also configure the ORCE promotion consumer service in Merchandising.

2. Ensure that your sales files sent to Sales Audit use 9999 as the promotion type (RMS_PROMO_TYPE) in the RTLOG file.

Batch Schedule Impacts

Table 1–28

Process Name	Process Type	New/Updated?	Delivered
RESA_PROMO_JOB	Nightly	New	Disabled
RESA_PROMO_ADHOC_JOB	Adhoc	New	Disabled
RESA_PROMO_CYCLE_JOB	Cyclic	New	Disabled

Steps to Enable

To enable the above jobs as part of your nightly batch cycle, follow the instructions below.

1. Log into the Process Orchestration and Monitoring (POM) application with the Administrator role

2. In the task list, select Schedules > MERCH > Administration > Batch Administration. This will bring up the MERCH: Batch Administration screen which has the following panels:

   a. Batch Applications and Modules

   b. Batch Cycle Management

   c. Batch Jobs

3. Under Batch Jobs, scroll (or filter) to locate the jobs to be enabled and click the Enabled check box to enable or disable the job. Repeat until all jobs have been updated.

4. Click Save and Close to save your changes and update the schedule.

> **Note:** After saving, the changes will take effect once the new scheduler day is created. The changes will not take effect for the current day.

Code Updates

Table 1–29

Code Type	Code Type Description	Code	Code Description	New/Updated	Delivered
AATC	Admin API Template Category	RMST	Merchandising	Updated	Enabled
IISL	Item Induction - List of sources	RMS	Merchandising Tables	Updated	Enabled
PRMT	Promotion Sales Types	2000	External Promotion	Updated	Enabled
PRMT	Promotion Sales Types	9999	Internal Promotion	Updated	Enabled
SYSE	Sales Audit System Export Interfaces	RMS	Merchandising Export	Updated	Enabled

Integration Impacts

Table 1–30

API Name	New/Updated?	Integration Type	Field Name	Change Notes
CE Promotion Service (Consumer)	New	Web Service		The RESA_PROMO_JOB process invokes the ORCE Promotion web service to pull promotion information into Sales Audit to be used in the auditing process.
SAIMPTLOG/SAIMPTLOG	Updated	Flat File	RMS_PROMO_TYPE (Merchandising Promotion Number)	If you are importing promotion details from ORCE from POS or OMS, then this field should be changed from 2000 to 9999.

Updated Handling for Base and Custom Errors

In certain cases where errors occur during the import or auditing process, in order to correct the errors, the solution is not an update to the transaction itself, but an addition or modification of other data, such as the addition of a missing code or an update to a custom audit rule. When this is done however, there isn't an easy way to trigger Sales Audit to reprocess those transactions that would have failed due to the error that the data correction was meant to fix. This enhancement will provide two solutions to help address this issue.

1. Re-validate Errors: In the Error List tab on the Store Day Summary screen, a new option has been added under the Actions menu, titled Revalidate Error. This will re-run the validation against the selected error for a selected set of transactions provided as options in a popup message. These options will be provided for the auditor to choose for which set of transactions the re-validation needs to be performed.

2. Rule Maintenance Options: A new set of options has replaced the existing message in the Rule Maintenance wizard when the Save and Close button is clicked. These options will allow the auditor to reset the audit status of a desired set of store days based on the rule changes made. In addition to these, a new option to reset the audit status of open store days with the error or errors linked to the rule that has been modified. Depending on the option chosen, the audit status for the store day combination would then be updated to Re-total/Re-audit Required. Then, the auditor can choose to either manually re-total/re-audit the store days individually or let the batch pickup the respective store days in its next run.

All custom rules, as well as select base rules, will be set to allow this re-validation process to occur on patching.

Data Access Schema (DAS) Updates

Table 1–31

Table Name	View Name	New/Updated?	Change Notes
SA_ERROR_CODES	DAS_WV_SA_ERROR_CODES	Updated	New column REVAL_IND has been added to the table. This column indicates whether the corresponding error is allowed for re-validation or not. Valid values for this column are 'Y'-Yes and 'N'-No.

Updated Transaction Rule Validation

A modification has been made to the Sales Audit Transaction Maintenance screen to validate the data differently when a new transaction is being entered, versus an existing transaction being modified. For a new transaction, the validation of the transaction for both system and the custom rules will be done when the 'Save and Close' button on Transaction Maintenance is clicked, but if any errors are found, the data will not be saved until the auditor corrects all errors in the transaction. For an existing transaction being updated, the same validations will be done as for a new transaction, but in this case the auditor does not have to resolve all errors in order to save their changes. The assumption here is that an auditor entering a new transaction manually should have all the information that they need to do this task. But, if they are going in to correct an error with an existing transaction, this may be done in pieces, as the corrections are determined.

Added Customer Order Information for Totals and Rules

In order to allow customer order information to be used in building totals or rules in Sales Audit, the V_ORDCUST view has been added to the list of available realms. The view includes all columns on the customer order header, other than the customer details (name, address, and so on). It should be noted that in order to use this view in your totals or rules, you will need to also include the transaction item (SA_TRAN_ITEM) or transaction item revision (SA_TRAN_ITEM_REV) tables.

Added to Merchandising Screens for External Launch

The following additional screens have been enabled for launch through an external URL:

- Order Details
- Item Search
- Shipment Search
- Transfer Search
- Create Transfer
- RTV Search
- Replenishment Attribute Maintenance
- Item Location
- Item Supplier Country

- Inventory Adjustment by Item

- Transfer Reconciliation

- Receiver Unit Adjustment

- Receiver Cost Adjustment

Details on the URLs to use for external launch will be available in the Merchandising Customization and Extension Guide on release.

Purge and Archive Expansion

Background purge processes, along with the option to archive were added for the following entity in Merchandising:

- Future Cost

For the following entities, a background purge process previously existed, but with this release an option to archive was added:

- Transaction-level Stock Ledger History

- Daily Sales Discount

- Price History

- Ownership Change

- Sales History

If you choose to archive any of these entities, then when the background purge process runs, it will also write the data to an inactive table, in addition to purging it from the active version of the table. The number of days it will be retained in the inactive tables before archiving to a file is determined by an input parameter for the Archive and Truncate Purge History Tables job. This is a previously existing job that may already be enabled in your environment.

Steps to Enable

If you would like to use the background purge processes and optionally take advantage of the archiving function, you should review the purge processes that you have running for the functional areas noted here. These are the steps to enable these processes:

1. Log an SR to have your batch schedule updated to enable the background purge jobs you wish to run and to disable the nightly version of the job, if applicable, including the new Future Cost process.

   - As part of enabling the background job, you will also need to indicate how many times per day you wish it to run.

2. If you wish to archive any of the above entities, you will also need to enable the Archive and Truncate Purge History Tables (BATCH_ARCHIVE_PURGE_HIST_JOB) process, if it is not already enabled in your environment. Note that as part of enabling this process, you will also need to indicate how long you want to retain the data in the inactive tables. The default is 6 months. To enable the process, follow these steps:

   To enable the above job as part of your nightly batch cycle, follow the instructions below.

a. Log into the Process Orchestration and Monitoring (POM) application with the Administrator role

b. In the task list, select Schedules > MERCH > Administration > Batch Administration. This will bring up the MERCH: Batch Administration screen which has the following panels:

   - Batch Applications and Modules

   - Batch Cycle Management

   - Batch Jobs

c. Under Batch Jobs, scroll (or filter) to locate the jobs to be enabled and click the Enabled check box to enable or disable the job. Repeat until all jobs have been updated.

d. Click Save and Close to save your changes and update the schedule.

Note: After saving, the changes will take effect once the new scheduler day is created. The changes will not take effect for the current day.

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3. Additionally, for all programs where you want to archive the data, you will need to indicate this using the spreadsheet template Background Process Configuration and template type Administration.

   a. From the Merchandising task list, select Foundation Data > Download Foundation Data

   b. Select template type Administration and template Background Configuration and click Download.

   c. Open the .ods file that is downloaded in your preferred spreadsheet application and navigate to the row in the spreadsheet that contain the job you wish to update in the Batch Name column and ARCHIVE_IND in the Param Key. Using a filter in the spreadsheet may be helpful for this step.

   d. In the Action column, select Update and then in the Param Value column, change the value to Y to indicate it should be archived.

      - Only programs that have ARCHIVE_JOB_IND = Y can have the ARCHIVE_ IND set to Y

      - Even if you are not archiving for the job, you can also set parameters for the following for each of these jobs: number of threads (NUM_THREADS), number of records to process per run (NUM_DATA_TO_PROCESS), and number of records to process before committing (COMMIT_MAX_ COUNTER), using similar instructions.

   e. Save the .ods file with your changes and close the document.

   f. Return to Merchandising and from the task list, select Foundation Data > Upload Foundation Data

   g. Select template type Administration and template Background Configuration. Then, click the Browse... button to select the file where you made your changes. Click Upload.

Batch Schedule Impacts

Table 1–32

Process Name	Process Type	New/Updated?	Delivered
FUTURE_COST_PURGE_ CYCLE_PROCESS	Background process	New	Disabled

Steps to Enable

See above.

New / Updated DAS Tables

Several new tables were added and some updates were made to existing tables available for replication in DAS based on new features added in this update. The details on these changes can be found in the respective enhancement summaries. Below are listed tables that were added in 19.0.00x patches and also available in 19.1.

Additionally, configuration file were added or updated with this update:

- dasimport_03.par - additional import file that holds the new tables for 19.1

- Also modified in 19.0.00x patches, but included here for visibility:

  - rrms.prm (classic) - Modified to add error-handling on flashback data archive and ignore error to continue processing.

  - rrms.json (microservices) - Modified to add error-handling on flashback data archive and ignore error to continue processing.

Steps to Enable

For directions on how to add new tables, see the "Patching DAS and Oracle Retail Foundation Cloud Service" section of the white paper on My Oracle Support (support.oracle.com) under ID 2283998.1.

Data Access Schema (DAS) Updates

Table 1–33

Table Name	View Name	New/Updated?	Change Notes
PRICE_HIST	DAS_WV_PRICE_HIST	Updated	Added Added ID column and PRICE_HIST_ID_SEQ sequence (19.0.002)
COND_TARIFF_TREATMENT	DAS_WV_COND_ TARIFF_TREATMENT	Updated	Changed from optional to required table for DAS Replication (19.0.003)
HTS_CHAPTER	DAS_WV_HTS_ CHAPTER	Updated	Changed from optional to required table for DAS Replication (19.0.003)
IM_SYSTEM_OPTIONS	DAS_WV_IM_SYSTEM_ OPTIONS	Updated	Changed from optional to required table for DAS Replication (19.0.003)
ITEM_APPROVAL_ERROR	DAS_WV_ITEM_ APPROVAL_ERROR	Updated	Changed from optional to required table for DAS Replication (19.0.003)

Table 1–33   (Cont.)

Table Name	View Name	New/Updated?	Change Notes
QUOTA_CATEGORY	DAS_WV_QUOTA_ CATEGORY	Updated	Changed from optional to required table for DAS Replication (19.0.003)
SA_BALANCE_GROUP	DAS_WV_SA_ BALANCE_GROUP	Updated	Changed from optional to required table for DAS Replication (19.0.003)
SA_CUST_ATTRIB	DAS_WV_SA_CUST_ ATTRIB	Updated	Changed from optional to required table for DAS Replication (19.0.003)
SA_TRAN_PAYMENT	DAS_WV_SA_TRAN_ PAYMENT	Updated	Changed from optional to required table for DAS Replication (19.0.003)
SA_TRAN_PAYMENT_REV	DAS_WV_SA_TRAN_ PAYMENT_REV	Updated	Changed from optional to required table for DAS Replication (19.0.003)
SEC_GROUP_LOC_MATRIX	DAS_WV_SEC_GROUP_ LOC_MATRIX	Updated	Changed from optional to required table for DAS Replication (19.0.003)
STORE_HOURS	DAS_WV_STORE_ HOURS	Updated	Changed from optional to required table for DAS Replication (19.0.003)
TRAN_DATA_HISTORY	DAS_WV_TRAN_ DATA_HISTORY	Updated	Changed from optional to required table for DAS Replication (19.0.003)
UDA_ITEM_DEFAULTS	DAS_WV_UDA_ITEM_ DEFAULTS	Updated	Changed from optional to required table for DAS Replication (19.0.003)
VAT_CODE_RATES	DAS_WV_VAT_CODE_ RATES	Updated	Changed from optional to required table for DAS Replication (19.0.003)
CARTON	DAS_WV_CARTON	New	New table added for DAS Replication (19.0.003)
COMP_PRICE_HIST	DAS_WV_COMP_ PRICE_HIST	New	New table added for DAS Replication (19.0.003)
COMP_STORE	DAS_WV_COMP_ STORE	New	New table added for DAS Replication (19.0.003)
COMPETITOR	DAS_WV_ COMPETITOR	New	New table added for DAS Replication (19.0.003)
COUNTRY_TL	DAS_WV_COUNTRY_ TL	New	New table added for DAS Replication (19.0.003)
CURRENCIES_TL	DAS_WV_ CURRENCIES_TL	New	New table added for DAS Replication (19.0.003)
DIFF_TYPE_TL	DAS_WV_DIFF_TYPE_ TL	New	New table added for DAS Replication (19.0.003)
MERCH_HIER_DEFAULT	DAS_WV_MERCH_ HIER_DEFAULT	New	New table added for DAS Replication (19.0.003)
RPM_ITEM_LOC	DAS_WV_RPM_ITEM_ LOC	New	New table added for DAS Replication (19.0.003)

Table 1–33   (Cont.)

Table Name	View Name	New/Updated?	Change Notes
SEASONS_TL	DAS_WV_SEASONS_TL	New	New table added for DAS Replication (19.0.003)
UDA_ITEM_FF_TL	DAS_WV_UDA_ITEM_FF_TL	New	New table added for DAS Replication (19.0.003)
WH_TL	DAS_WV_WH_TL	New	New table added for DAS Replication (19.0.003)
SUB_ITEMS_HEAD	DAS_WV_SUB_ITEMS_HEAD	New	New table added for DAS Replication (19.0.004)
SUB_ITEMS_DETAIL	DAS_WV_SUB_ITEMS_DETAIL	New	New table added for DAS Replication (19.0.004)
ALLOC_DETAIL	DAS_WV_ALLOC_DETAIL	Updated	Added UPDATED_BY_WMS_IND column (19.0.005)
ITEM_LOC_SOH_EOD	DAS_WV_ITEM_LOC_SOH_EOD	Updated	moved from merchtables to merchoptionaltables (19.0.005)
DEPT_CHRG_DETAIL	DAS_WV_DEPT_CHRG_DETAIL	New	New table added for DAS Replication (19.0.005)
DEPT_CHRG_HEAD	DAS_WV_DEPT_CHRG_HEAD	New	New table added for DAS Replication (19.0.005)
ITEM_CHRG_DETAIL	DAS_WV_ITEM_CHRG_DETAIL	New	New table added for DAS Replication (19.0.005)
ITEM_CHRG_HEAD	DAS_WV_ITEM_CHRG_HEAD	New	New table added for DAS Replication (19.0.005)
SA_COMMENTS	DAS_WV_SA_COMMENTS	New	New table added for DAS Replication (19.0.005)
SA_STORE_DAY_USER	DAS_WV_SA_STORE_DAY_USER	New	New table added for DAS Replication (19.0.005)
SA_USER	DAS_WV_SA_USER	New	New table added for DAS Replication (19.0.005)
DAILY_SALES_DISCOUNT	DAS_WV_DAILY_SALES_DISCOUNT	New	New table added for DAS Replication (19.0.007)
SA_RULE_COMP_RESTRICTIONS	DAS_WV_SA_RULE_COMP_REST	New	New table added for DAS Replication (19.0.007)
SA_RULE_HEAD	DAS_WV_SA_RULE_HEAD	New	New table added for DAS Replication (19.0.007)
SA_VR_HEAD	DAS_WV_SA_VR_HEAD	New	New table added for DAS Replication (19.0.007)
TRANSIT_TIMES	DAS_WV_TRANSIT_TIMES	New	New table added for DAS Replication (19.0.007)

Merchandising Security Updates

Below is an outline of new and updated privileges and duties added in the solution since the last update. Review the details of the duties and privileges and then follow the instructions outlined below to enable them in your implementation and add them to your user roles, as appropriate.

New/Updated Duties

Table 1–34

Title	Base Role	Child Duties	New/Update?	Duty Description
TAX_RULE_ DASHBOARD_ INQUIRY_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB		New	A duty for viewing the Tax Rules Dashboard. This duty will contain the VIEW_ TAX_RULE_DASHBOARD_PRIV.
RMS_TAX_RULES_ DASHBOARD_ INQUIRY_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB, RMS_DATA_STEWARD_ JOB, BUYER_JOB, SOURCING_ANALYST_ JOB, SUPPLY_CHAIN_ ANALYST_JOB, FINANCIAL_ ANALYST_JOB, FINANCIAL_ MANAGER_JOB		New	A duty for viewing the Tax Rules Dashboard.
RMS_OWNERSHIP_ DUTY	This duty should be removed from all roles and then completely removed from the system.		Removed	This duty is being replaced with the RMS_OWNERSHIP_ CHANGE_INQUIRY_DUTY, RMS_OWNERSHIP_CHANGE_ MGMT_DUTY, and RMS_ OWNERSHIP_CHANGE_ APPROVAL_DUTY. Previously all ownership change privileges were incorrectly put into this single RMS_OWNERSHIP_DUTY.
RMS_OWNERSHIP_ CHANGE_MGMT_ DUTY	INVENTORY_ ANALYST_JOB and INVENTORY_ MANAGER_JOB	RMS_ OWNERSHIP_ CHANGE_ INQUIRY_ DUTY	New	A duty for maintaining consignment/concession ownership changes. This duty is an extension of the Ownership Change Inquiry Duty. This duty will contain the RMS_ OWNERSHIP_CHANGE_ INQUIRY_DUTY, the MAINTAIN_OWNERSHIP_ CHANGES_PRIV, and the SUBMIT_OWNERSHIP_ CHANGES_PRIV
RMS_OWNERSHIP_ CHANGE_INQUIRY_ DUTY	This duty will not be directly mapped to any base roles.		New	A duty for searching for and viewing consignment/concession ownership changes. The contents of this duty will be the SEARCH_OWNERSHIP_ CHANGES_PRIV and the VIEW_ OWNERSHIP_CHANGES_PRIV

Table 1–34   (Cont.)

Title	Base Role	Child Duties	New/Update?	Duty Description
RMS_OWNERSHIP_ CHANGE_ APPROVAL_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB, RMS_DATA_STEWARD_ JOB, BUYER_JOB	RMS_ OWNERSHIP_ CHANGE_ MGMT_DUTY	New	A duty for approving consignment/concession ownership changes This duty is an extension of the Ownership Change Management Duty. This duty will contain the RMS_ OWNERSHIP_CHANGE_ MGMT_DUTY and the APPROVE_OWNERSHIP_ CHANGES_PRIV
RMS_MRT_MGMT_ DUTY		RMS_ OBLIGATION_ APPROVAL_ DUTY	Update	The RMS_OBLIGATION_ APPROVAL_DUTY has been mapped to the RMS_MRT_ MGMT_DUTY
RMS_CUSTOM_ VALIDATION_ RULE_INQUIRY_ DUTY	In the default security configuration, none of the base roles have inquiry level access. Higher level access has been granted to other roles in our default security configuration via the Custom Validation Rule Management or Approval duties in which this duty is nested.		New	A duty for searching for and viewing custom validation rules.
RMS_TAX_RULE_ MGMT_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB and FINANCIAL_ ANALYST_JOB	RMS_TAX_ RULE_ INQUIRY_ DUTY	New	A duty for maintaining and submitting tax rules via the Tax Rule workflow and via spreadsheet upload. This duty is an extension of the Tax Rule Inquiry Duty.
RMS_TAX_RULE_ INQUIRY_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB, BUYER_JOB, SOURCING_ANALYST_ JOB, SUPPLY_CHAIN_ ANALYST_JOB		New	A duty for searching for and viewing tax rules via the Tax Rule workflow and via spreadsheet download.
RMS_TAX_RULE_ APPROVAL_DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB, FINANCIAL_ MANAGER_JOB	RMS_TAX_ RULE_MGMT_ DUTY	New	A duty for approving tax rules via the Tax Rule workflow and via spreadsheet upload. This duty is an extension of the Tax Rule Management Duty.
RMS_CUSTOM_ VALIDATION_ RULE_MGMT_DUTY	RMS_DATA_STEWARD_ JOB	RMS_ CUSTOM_ VALIDATION_ RULE_ INQUIRY_ DUTY	New	A duty for maintaining custom validation rules. This duty is an extension of the Custom Validation Rule Inquiry Duty.
RMS_CUSTOM_ VALIDATION_ RULE_APPROVAL_ DUTY	RMS_APPLICATION_ ADMINISTRATOR_JOB	RMS_ CUSTOM_ VALIDATION_ RULE_MGMT_ DUTY	New	A duty for approving and closing custom validation rules This duty is an extension of the Custom Validation Rule Management Duty.

New/Updated Privileges

Table 1–35

Title	New/Update?	Parent Duty	Privilege Description
RAAC_NOTIFICATION_ MANAGE_PRIVILEGE - Merchandising			The Role Type of the RAAC_ NOTIFICATION_MANAGE_PRIVILEGE was created as a 'Job'. This job should be completely removed. It should have been created with a Role Type of 'Privilege'. This will be replaced with a new privilege, RAAC_NOTIFICATION_MANAGE_PRIV.
RAAC_NOTIFICATION_ MANAGE_PRIV - Merchandising		ADMIN_ CONSOLE_ DUTY	This privilege is to be mapped to the ADMIN_CONSOLE_DUTY.
VIEW_TAX_RULE_ DASHBOARD_PRIV		RMS_TAX_ RULE_ DASHBOARD_ INQUIRY_DUTY	This privilege gives the user access to the Tax Rules Dashboard. If the user has the View Tax Rule Dashboard Priv, the Tax Rule Dashboard link in the Reports list will display, otherwise it will be hidden.
VIEW_OWNERSHIP_ CHANGES_PRIV		RMS_ OWNERSHIP_ CHANGE_ INQUIRY_DUTY	The mapping of this privilege directly to the RMS_APPLICATION_ ADMINISTRATOR_JOB is being removed. The mapping of this privilege to the RMS_ OWNERSHIP_DUTY is also being removed.
VIEW_ITEMS_PRIV			Added permissions: Permission[name=/WEB-INF/oracle/retail /apps/rms/foundation/other/view/gts/f low/ViewGtsItemTaxFlow.xml#ViewGtsIte mTaxFlow, class=oracle.adf.controller.security.TaskFlo wPermission, actions=view]
SUBMIT_OWNERSHIP_ CHANGES_PRIV		RMS_ OWNERSHIP_ CHANGE_ MGMT_DUTY	A privilege for submitting ownership changes. Users with this privilege must also have the Search, View and Maintain Ownership Changes Privileges.
SEARCH_OWNERSHIP_PRIV		RMS_ OWNERSHIP_ CHANGE_ INQUIRY_DUTY	This privilege is being removed because the identifier was incorrect. SEARCH_ OWNERSHIP_PRIV is being replaced with SEARCH_OWNERSHIP_CHANGES_PRIV.
SEARCH_OWNERSHIP_ CHANGES_PRIV		RMS_ OWNERSHIP_ CHANGE_ INQUIRY_DUTY	A privilege for searching for ownership changes.
MAINTAIN_OWNERSHIP_ CHANGES_PRIV		RMS_ OWNERSHIP_ CHANGE_ MGMT_DUTY	The mapping of this privilege directly to the RMS_APPLICATION_ ADMINISTRATOR_JOB is being removed. The mapping of this privilege to the RMS_ OWNERSHIP_DUTY is also being removed. Added permissions: Permission[name=resourceType=Button,res ourceName=MaintainOwnershipChange, class=oracle.security.jps.ResourcePermissio n, actions=view]

Table 1–35   (Cont.)

Title	New/Update?	Parent Duty	Privilege Description
MAINTAIN_ITEMS_PRIV			Added permissions:
			Permission[name=/WEB-INF/oracle/retail/apps/rms/foundation/other/view/gts/flow/ViewGtsItemTaxFlow.xml#ViewGtsItemTaxFlow, class=oracle.adf.controller.security.TaskFlowPermission, actions=view]
			Removed permissions:
			Permission[name=resourceType=TaskFlow, resourceName=MaintainItemEligTrffTreatFlow, class=oracle.security.jps.ResourcePermission, actions=edit]
			Permission[name=resourceType=TaskFlow, resourceName=MaintainItemHtsFlow, class=oracle.security.jps.ResourcePermission, actions=edit]
			Permission[name=resourceType=TaskFlow, resourceName=MaintainItemImportAttrsFlow, class=oracle.security.jps.ResourcePermission, actions=edit]
			Permission[name=resourceType=TaskFlow, resourceName=MaintainItemHtsAssessFlow, class=oracle.security.jps.ResourcePermission, actions=edit]
authenticated-role - Merchandising			Added permissions:
			Permission[name=context=SYSTEM,mapName=Rms.oracle.retail.apps.rms.app,keyName=*, class=oracle.security.jps.service.credstore.CredentialAccessPermission, actions=read]
APPROVE_PURCHASE_ORDERS_PRIV			This existing privilege was updated to have a new direct mapping to the RMS_APPLICATION_ADMINISTRATOR_JOB
APPROVE_OWNERSHIP_CHANGES_PRIV		RMS_OWNERSHIP_CHANGE_APPROVAL_DUTY	The mapping of this privilege directly to the RMS_APPLICATION_ADMINISTRATOR_JOB is being removed. The mapping of this privilege to the RMS_OWNERSHIP_DUTY is also being removed.
SEARCH_TAX_RULES_PRIV		RMS_TAX_RULE_INQUIRY_DUTY and RMS_APPLICATION_ADMINISTRATOR_JOB	A privilege for searching for tax rules via the Tax Rule workflow.
MAINTAIN_CUSTOM_VALIDATION_RULES_PRIV		RMS_CUSTOM_VALIDATION_RULE_MGMT_DUTY	A privilege for creating and editing custom validation rules. Users with this privilege must also have the View Custom Validation Rules Priv.

Table 1–35   (Cont.)

Title	New/Update?	Parent Duty	Privilege Description
SUBMIT_CUSTOM_ VALIDATION_RULES_PRIV		RMS_CUSTOM_ VALIDATION_ RULE_MGMT_ DUTY	A privilege for submitting custom validation rules. Users with this privilege must also have the View and Maintain Custom Validation Rules Privileges.
VIEW_CUSTOM_VALIDATION_ RULES_PRIV		RMS_CUSTOM_ VALIDATION_ RULE_ INQUIRY_DUTY	A privilege for viewing custom validation rules.
APPROVE_CUSTOM_ VALIDATION_RULES_PRIV		RMS_CUSTOM_ VALIDATION_ RULE_ APPROVAL_ DUTY	A privilege for approving and closing custom validation rules. Users with this privilege must also have the View, Maintain and Submit Custom Validation Rules Privileges.
APPROVE_TAX_RULES_PRIV		RMS_TAX_ RULE_ APPROVAL_ DUTY	A privilege for approving tax rules via the Tax Rule workflow and via spreadsheet upload. Users with this privilege must also have the Search Tax Rules Priv, the View Tax Rules Priv, the Maintain Tax Rules Priv and the Submit Tax Rules Priv.
MAINTAIN_TAX_RULES_PRIV		RMS_TAX_ RULE_MGMT_ DUTY	A privilege for creating and maintaining tax rules via the Tax Rule workflow and via spreadsheet upload. Users with this privilege must also have the Search Tax Rules Priv and the View Tax Rules Priv.
SUBMIT_TAX_RULES_PRIV		RMS_TAX_ RULE_MGMT_ DUTY	A privilege for submitting tax rules via the Tax Rule workflow and via spreadsheet upload. Users with this privilege must also have the Search Tax Rules Priv, the View Tax Rules Priv and the Maintain Tax Rules Priv.
VIEW_TAX_RULES_PRIV		RMS_TAX_ RULE_ INQUIRY_DUTY	A privilege for viewing tax rules via the Tax Rule workflow and via spreadsheet download. Users with this privilege must also have the Search Tax Rules Priv.

Customer Actions

Based on these new/updated duties and privileges, the following actions are required in the order described below in order to enable the features. If this update doesn't contain changes related to one of the steps below, it can be skipped and you can move to the next one. For more information on the workflows used to support the actions described below, see the Merchandising Administration Guide.

Step 1: Remove Privileges and Duties

For each of the privileges described above as removed, do the following:

1. Select Settings > Security > Role Mappings

2. Search for every instance of the removed privileges and delete them

For each of the duties that were flagged as removed above, you do not need to delete them, but you may choose to in order to stay in closer alignment with the base configuration. If you choose to delete these duties, then follow these steps:

1. Select Settings > Security > Role Mappings

2. Search for every instance of the removed duties and delete them

Step 2: Add New Duties

For each of the new duties listed above, follow these steps:

1. Select Settings > Security > Roles

2. Click on the Add iconic button or select Add from the Actions menu

3. Add the first new duty, including the name, and optionally the description in the popup displayed. Then click OK.

4. Repeat for all new duties listed above

Step 3: Add New Duties to Roles

Each of the new duties should then be added to the roles that require the access as defined in the privileges above.

1. Select Settings > Security > Role Mappings

2. Selecting a role that will be assigned one or more of the duties

3. For each role, click Select and Add and then select the the duties you want to add to the role using the popup

4. Repeat for each role where you want to add the new duties

Step 4: Add Child Duties

For any new duty listed above that contains other duties, the child duty will also need to be mapped to the new duty using the below steps.

1. Select Settings > Security > Role Mappings

2. Highlight the parent duty

3. Click Select and Add and then select the duties you want to add to the role using the popup.

4. Repeat until you have added all child duties to the parent duties

Step 5: Synchronize Privileges with New Duties

Each new duty then needs to have its privileges synchronized.

1. Select Settings > Security > Policy Patching

2. Select Sync with Patch

3. Under the Base Policies tab, working through the duties one at a time, select the checkbox next to each the corresponding privileges

4. Click Copy to Custom and then select the duty

5. Repeat until you have synchronized each duty

> **Note:** The Copy to Custom option does not clear the check boxes that you selected, so be sure to de-select the check boxes after each duty.

Step 6: Synchronize Modified Privileges

Each privileges that had changed permissions from previous updates and will need to be synchronized to update these permissions for the patch.

1. Select Settings > Security > Policy Patching

2. Select Sync with Patch

3. Under the Base Policies tab, select the checkbox next to each the corresponding privileges and click Sync

4. Repeat this for each privilege that had updated permission

Sales Audit Security Updates

Below is an outline of new and updated privileges and duties added in the solution since the last update. Review the details of the duties and privileges and then follow the instructions outlined below to enable them in your implementation and add them to your user roles, as appropriate.

New/Updated Duties

Table 1–36

Title	Base Role	Child Duties	New/Update?	Duty Description
RESA_BATCH_DUTY			Removed	The RESA_BATCH_DUTY was added in v19.0 as part of a POC. After the POC it was determined that this duty was no longer needed.

New/Updated Privileges

Table 1–37

Title	New/Update?	Parent Duty	Privilege Description
RAAC_NOTIFICATION_ MANAGE_PRIV - Sales Audit		ADMIN_ CONSOLE_ DUTY	This privilege is to be mapped to the ADMIN_CONSOLE_DUTY

Table 1–37   (Cont.)

Title	New/Update?	Parent Duty	Privilege Description
RAAC_NOTIFICATION_ MANAGE_PRIVILEGE - Sales Audit			The Role Type of the RAAC_ NOTIFICATION_MANAGE_PRIVILEGE is actually 'Job'. This job should be completely removed. It should have been created with a Role Type of 'Privilege'. This will be replaced with a new privilege, RAAC_NOTIFICATION_MANAGE_PRIV.
RESA_BATCH_PRIV		RESA_BATCH_ DUTY	The RESA_BATCH_PRIV was added in v19.0 as part of a POC, after the POC it was determined that the privilege was no longer needed and is now being removed.
authenticated-role - Sales Audit			Added permissions:
			Permission[name=context=SYSTEM,mapName=oracle.retail.apps.resa.restservices,keyName=*, class="oracle".security.jps.service.credstore. CredentialAccessPermission, actions=read]
			Permission[name=/WEB-INF/oracle/retail /apps/resa/dashboards/view/common/ ResaDashboardFlow.xml#ResaDashboardFlow, class="oracle".adf.controller.security.TaskFlowPermission, actions=view]
			Permission[name=context=SYSTEM,mapName=Resa.oracle.retail.apps.resa.app,keyName=*, class="oracle".security.jps.service.credstore. CredentialAccessPermission, actions=read]
			Removed permissions:
			Permission[name=context=SYSTEM,mapName=oracle.retail.apps.rms.restservices,keyName=*, class="oracle".security.jps.service.credstore. CredentialAccessPermission, actions=read]

Customer Actions

Based on these new/updated duties and privileges, the following actions are required in the order described below in order to enable the features. If this update doesn't contain changes related to one of the steps below, it can be skipped and you can move to the next one. For more information on the workflows used to support the actions described below, see the Merchandising Administration Guide.

Step 1: Remove Privileges and Duties

For each of the privileges described above as removed, do the following:

1. Select Settings > Security > Role Mappings

2. Search for every instance of the removed privileges and delete them

For each of the duties that were flagged as removed above, you do not need to delete them, but you may choose to in order to stay in closer alignment with the base configuration. If you choose to delete these duties, then follow these steps:

1. Select Settings > Security > Role Mappings

2. Search for every instance of the removed duties and delete them

Step 2: Add New Duties

For each of the new duties listed above, follow these steps:

1. Select Settings > Security > Roles

2. Click on the Add iconic button or select Add from the Actions menu

3. Add the first new duty, including the name, and optionally the description in the popup displayed. Then click OK.

4. Repeat for all new duties listed above

Step 3: Add New Duties to Roles

Each of the new duties should then be added to the roles that require the access as defined in the privileges above.

1. Select Settings > Security > Role Mappings

2. Selecting a role that will be assigned one or more of the duties

3. For each role, click Select and Add and then select the the duties you want to add to the role using the popup

4. Repeat for each role where you want to add the new duties

Step 4: Add Child Duties

For any new duty listed above that contains other duties, the child duty will also need to be mapped to the new duty using the below steps.

1. Select Settings > Security > Role Mappings

2. Highlight the parent duty

3. Click Select and Add and then select the duties you want to add to the role using the popup.

4. Repeat until you have added all child duties to the parent duties

Step 5: Synchronize Privileges with New Duties

Each new duty then needs to have its privileges synchronized.

1. Select Settings > Security > Policy Patching

2. Select Sync with Patch

3. Under the Base Policies tab, working through the duties one at a time, select the checkbox next to each the corresponding privileges

4. Click Copy to Custom and then select the duty

5. Repeat until you have synchronized each duty

> **Note:** The Copy to Custom option does not clear the check boxes that you selected, so be sure to de-select the check boxes after each duty.

Step 6: Synchronize Modified Privileges

Each privileges that had changed permissions from previous updates and will need to be synchronized to update these permissions for the patch.

1. Select Settings > Security > Policy Patching

2. Select Sync with Patch

3. Under the Base Policies tab, select the checkbox next to each the corresponding privileges and click Sync

4. Repeat this for each privilege that had updated permission

Merchandising Foundation Cloud Service Technical Upgrade

Merchandising Foundation Cloud Service was upgraded to the latest middleware and framework components.

Flex Attribute Migration

A new process has been added to support migrating custom flex attributes (CFAS) from your pre-production environment to production environment. This will better support the process where new CFAS attributes are added and tested in a pre-production environment and then the setup can be moved over to production without requiring manually re-keying in the configuration. The migration will work by exporting the attribute configurations and labels into a spreadsheet that can then be re-loaded into production. For the other levels of CFAS - including groups, group sets, and other configurations - the spreadsheet download and upload is already supported to assist in this process.

Invocation of external services moved to the Application layer

Merchandising already supported invocation of external services for the following:

1. GL Account Validation Service - To validate the general ledger chart of accounts information against an external financial application

2. Drill Back Forward URL Service - To view the drill back reports of transaction details held in PeopleSoft Financials

3. Customer Address Service - To retrieve customer address details from an endpoint such as a Oracle Retail Customer Engagement (ORCE)

4. Customer Order Address Service - To retrieve customer/shipping address details from an endpoint such as an Order Management System (Oracle OMS)

As a part of this change, the service invocation has been moved from the database layer code to the application layer and therefore may require an update to how you are accessing the service.

Steps to Enable

If you are currently using one of the above services or wish to start using them, you must log an SR to get assistance from the Oracle Cloud Operations team to set the required configurations for your environment.

Grocery Item Indicator Change

Grocery Items system option will be defaulted to checked (Y) at provisioning time for any new implementations. It is able to be edited in the System Options page if changes are required by customers after provisioning.

2

System Requirements, Supported Systems, and Compatibility

This chapter covers the Client System requirements and products supported for Oracle Retail Invoice Matching Cloud Service.

Client System Requirements

The following technology is supported:

> **Note:** Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.

Browser Support

- Mozilla Firefox ESR 68+
- Internet Explorer 11
- Edge 44+
- Chrome (Desktop) 79+
- Safari 12+

Supported Oracle Retail Merchandising Products

Table 2–1

Product	Version
Oracle Retail Invoice Matching Cloud Service	19.1.000
Oracle Retail Pricing Cloud Service	19.1.000
Oracle Retail Allocation Cloud Service	19.1.000

Supported Oracle Retail On-Premise Products

Table 2–2

Product	Version
Oracle Retail Xstore Suite	19.0+
Oracle Retail Store Inventory Management (SIM)	16.0.2+
Oracle Retail Warehouse Management System (RWMS)	16.0.2+
Oracle Retail Customer Engagement	18.0+
Oracle Retail Order Broker	19.0
Oracle Retail Order Management System	19.0

Supported Oracle Retail Integration on Premise Technologies

Table 2–3

Integration Technology	Version
Oracle Retail Integration Bus (RIB)	19.0

Supported Oracle Retail Integration Cloud Technologies

Table 2–4

Integration Technology	Version
Oracle Retail Integration Cloud Service	19.0+

Supported Oracle Retail Cloud Service Products

Table 2–5

Integration Technology	Version
Merchandise Financial Planning Cloud Service	18.0+
Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service	18.0+
Oracle Retail Assortment and Item Planning Cloud Service	18.0+
Oracle Retail Assortment and Item Planning Enterprise Edition Cloud Service	18.0+
Oracle Retail Demand Forecasting Cloud Service	18.0+
Oracle Retail Order Broker Cloud Service	18.1+
Oracle Retail Order Management System Cloud Service	18.2+
Oracle Retail Customer Engagement Cloud Service	18.0+
Oracle Retail Insights Cloud Service Suite	18.0+
Oracle Retail Store Inventory Operations Cloud Service	18.1+

Supported Oracle Applications

Table 2–6

Requirement	Version
Oracle E-Business Suite Financials	12.2+
Oracle PeopleSoft Financials	9.2
Oracle Cloud Financials	Most Current Cloud Service Release
Oracle Warehouse Management Cloud (WMS)	19C+

3

Deprecated Features

As part of the continuous delivery model for cloud services, features and technical components of a solution may be removed or replaced to enhance the security, performance, and overall quality of the cloud service. When this occurs, the deprecation of a feature or component will be announced in advance, allowing customers sufficient time to anticipate the change and transition to any enhanced replacement feature/component. After the deprecation is announced, the deprecated feature or component will remain in the solution until the planned removal date and will not be enhanced or made compatible with other new features.

Below is a list of new and previously announced deprecations for this cloud service.

Deprecation Announcement Date	Feature	Planned Removal Date	Notes with Replacement Feature/component
June 2019	Coupons	July 2021	Coupon field available in Pricing Cloud Service promotions
November 2019	RTLOG Dynamic Formatting	January 2022	Versioning of the flat file introduced in batch schedule configuration
November 2019	POS Flat File Integration	January 2022	BDI integrations for initial load + RIB for updates
November 2019	File-based integration for Planning/Forecasting	January 2022	BDI based data exports
November 2019	File-based upload for Forecasts	January 2022	BDI based upload
November 2019	DAS_WV_RIB_MESSAGE view will be removed.	January 2022	The source table is no longer part of Merchandising, so cannot be replicated.
November 2019	DAS_WV_RIB_MESSAGE_ FAILURE view will be removed.	January 2022	The source table is no longer part of Merchandising, so cannot be replicated.
November 2019	EXCH_RATE_DATE_IND column in the DAS_WV_ PROCUREMENT_UNIT_ OPTNS view	January 2022	This system option was removed from Merchandising.