

# QAD Enterprise Applications 2015 Combined Release Notes

**Updated April 2015**

The March 2015 release of QAD Enterprise Applications includes new features and fixes in Enterprise Edition, as well as releases of several QAD add-on products.

This document compiles Release Notes from Enterprise Edition and the add-on products.

For the latest documentation on QAD products, see the Document Library:

<http://documentlibrary.qad.com>

The library includes historical release notes from earlier versions.

Release notes are included for the following products:

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## QAD Enterprise Edition 2015

QAD Enterprise Applications 2015 – Enterprise Edition (QAD 2015 Enterprise Edition, or QAD 2015 EE) includes product changes made between February 27, 2014 and February 26, 2015.

This release contains new features and enhancements as well as fixes that resulted from maintenance activities. For detailed information about individual fixes, see the Product Changes & Advisories area on QAD's Online Support Center:

[http://support.qad.com/product\\_changes/](http://support.qad.com/product_changes/)

The Release Notes describe changes in the following areas:

- QAD Enterprise Applications 2015 – Enterprise Edition (QAD 2015 Enterprise Edition, or QAD 2015 EE) includes product changes made between February 27, 2014 and February 26, 2015.
- Internationalization Enhancements
- Customer Management Enhancements
- Manufacturing/Supply Chain Enhancements
- Security and User Management Changes
- Installation and Conversion Notes
- Performance Notes

**Note** QAD 2015 EE is supported by the latest release of the QAD .NET User Interface. For details, “QAD .NET User Interface” on page 34.

Because of the new product direction with the Enterprise Edition, some features that existed in earlier versions of the core application are no longer available. Others are planned for future development. See “Additional System Changes and Limitations” on page 30 for information.

## Enterprise Financials Enhancements

### Bulk Data Load

The Excel Integration menu activity is available for a number of business components in Enterprise Financials. However, when importing very large amounts of data to the system, the new Bulk Data Load (36.24.8) is a more efficient utility. It is useful when setting up an implementation. Bulk Data Load lets you import multiple csv files into the system at once. It processes the contents of these files in batches, so that an error in one batch does not cause the entire import process to fail. You can use Bulk Data Load to import the following types of information:

- Business relation
- COA cross reference
- Cost center mask
- Cost center
- Customer bank number
- Customer opening balance
- Customer ship to address
- Customer
- Daybook
- Employee

- End user
- Exchange rate
- GL account
- Journal entry
- Project mask
- Project
- SAF code
- Sub account
- Sub-account mask
- Supplier bank number
- Supplier opening balance
- Supplier

### Daemon Functionality Enhancements

There are a number of enhancements to daemon functionality:

- A new browse, Daemon Monitor (36.14.16.25), lets you monitor all daemons at once. You can perform the monitor, start, stop, configure, and clear queue activities from this screen. You can also view the log file and set debug levels for each daemon, and start and stop all daemons at once.
- The Daemon Unconditional Stop programs to unconditionally stop each daemon are no longer available. The Daemon Stop programs now perform an unconditional stop when necessary. The command line unconditional stop function is still supported.
- To prevent locking issues, when a daemon request cannot be processed successfully, the daemon now automatically resubmits the request after a delay of 30 seconds, up to a maximum of three times. If the request is still not processed successfully, then it is marked as PROCESSED-ERR.
- The two mandatory daemons, History and Balance, now have the ability to verify whether other correctly configured daemons are running, and to restart daemons when necessary.
- You can now use the History daemon to perform tasks outside of its normal actions by customizing the empty method `BHistoryDaemonProcessor:PerformWorkItemSpecific()`.
- To improve response times when viewing the History Daemon Monitor (36.14.16.1.3) screen, you can now display multiple requests in a single line.
- Previously, the Daemon Monitor programs had an Auto-Refresh On/Auto-Refresh Off button to control automatic refreshing of the screen. This button is now replaced with the Auto Refresh check box, to display the status more clearly.

### GL Consistency Checks

Consistency checks are a series of validations that verify the integrity of the financial tables. You can run three categories of consistency check: technical, business and others.

#### Performance Improvement

Some checks in the business check section have already been covered in the technical check section. Redundant checks have been removed, making the checks consistent and improving performance. The performance has also been improved by the use of more efficient data retrieval methods, indexes, and other enhancements.

### Clear Output

The original result file contained a lot of unnecessary processing messages, which made it difficult to find the real errors. To make the output clear, a new summary result file is now generated, outlining the check results for the business checks. The summary file is designed to give a general overview of the checks in a business-oriented way. You can easily find the result and the inconsistent amounts. For more detailed debugging, you can search the detailed result file to find the root cause.

**Note** When you use batch mode to run a consistency check on multiple entities, a separate set of report files is produced for each entity.

### New Business Checks

The following checks have been added:

- Daemon Queues
- Unposted Transactions
- Trial Balance
- AP Payments with GL
- AR Payments with GL
- GL Open Items with GL
- Unmatched Invoices
- Revaluations

## Financial Report Writer Enhancements

### Report Cube Create

Report Cube Definition has been migrated to BLF technology. As a result, five new menu programs have been created:

- Use Report Cube Create to set up report cubes.
- Use Report Cube Modify to modify report cubes.
- Use Report Cube View to view report cube data.
- Use Report Cube Delete to delete report cube data, including the report cube definition.
- Use Report Cube Empty to delete report cube data, but not the report cube definition.

### Report Chart of Accounts Create

Report Chart of Accounts Definition has been migrated to BLF technology. As a result, four new menu programs have been created:

- Use Report Chart of Accounts Create to maintain a common reporting chart of accounts.
- Use Report Chart of Accounts Modify to modify report charts of accounts.
- Use Report Chart of Accounts to view report chart of accounts data.
- Use Report Chart of Account Delete to delete a report chart of accounts.

## Controlling Dimensions and Report Bursting

Report Analysis Code Create now includes a Controlling Dimension field in the General tab. When generating reports, you can generate a report filtered on each value of the controlling dimension, which saves you having to generate each report individually.

The drop-down list for the Controlling Dimension field is populated based on the dimensions you select in the Dimension area of the General tab. For example, if you select fields for the GL, Sub-Account, and Daybook dimensions, these three options are available as controlling COA dimensions.

When running a report in Financial Report Run, you can specify an analysis code with a controlling dimension as a Filter Analysis code to control the bursting. You must also specify Yes in the new Report Burst selection field in Financial Report Run. The report run then generates a separate report for each value of the controlling dimension. For example, if the analysis code has a controlling dimension of Entity, the report run generates reports for each entity.

## Report Transaction Details

Report Master Create, Report Tree Maintenance, and Financial Report Run contain new fields that let you control whether to display detailed GL transactions on your reports.

Report Master Create contains a new Print GL Transactions field. The options are:

- All. Choose All to include all detailed transactions in the report tree in the report. When running the report in Financial Report Run, you must set the Print Details field to Yes for this option to take effect.
- Selected. Choose Selected to only include detailed transactions that relate to a report tree leaf node for which Show Details is selected in Report Tree Maintenance. When running the report in Financial Report Run, you must also set the Print Details report selection criteria to Yes.
- No. Choose No if you do not want to display detailed transactions on the report.

Report Master Create also contains a new Max Posting Lines field that lets you specify the maximum number of posting lines to include in a report. If the total number of lines in the report exceeds the maximum posting line value specified, an error message displays when you run the report.

Report Tree Maintenance includes a new Show Details field that lets you indicate the leaf nodes for which you want to print GL transactions in detail on a report.

Financial Report Run contains a new Print Details report selection criteria that lets you indicate whether you want to include detailed GL transactions in the report output. If you set this field to Yes, but have not configured the required setup in Report Master Create or in Report Tree Maintenance, the report displays an error message.

## Report Cube Consistency Check

Report Cube Consistency Check (25.16.50.5) lets you check a cube's balances in base currency against the balances for the source GL accounts.

In the browse, you can filter on the cube, entity, report year, and report period for which you want to check balances. The results in the browse compare the base currency opening balances, debit and credit values, and closing balances of the source entity and the cube. The browse also lists amounts in the cube's presentation currency.

The Differences column shows all zeros when the balances in the source entities (Trial Balance) are equal to the balances in the report cube.

If there are unprocessed Cube daemon queue records, an error displays indicating that the cube is not up to date. In this case, you must wait until the Cube daemon has successfully processed the queue. You can verify the queue status in Cube Daemon Monitor.

#### Variables in Titles and Subtitles

A number of new variables are now available to use in the Title and Subtitle fields in Report Master Create:

- SD#: Start Date
- ED#: End Date
- FA#: Filter of Analysis Code
- FD#: Description

#### Displaying Debit Only or Credit Only Balances

In the Row Style field in Report Tree Maintenance you can now indicate that for transactions related to a particular leaf node, a report must display credit balances only or debit balances only. To show accounts with debit balances only, enter “dronly” in the Row Style field. To show accounts with credit balances only, enter “cronly” in the Row Style field. Typically, the option to display debit amounts only or credit amounts only is useful in Balance Sheet reports, where you can show, for example, bank accounts with a debit balance under assets and bank accounts with a credit balance under Liabilities.

#### Showing COA Columns on Reports

The existing Financial Report Run field Show All Columns field has been relabeled to Show COA Columns.

When you set Show COA Columns to Yes and Detail Transaction to Yes, the report displays additional COA columns and uses an Excel layout to allow the additional COA columns to display.

If you set Show COA Columns to Yes, but the COA Type fields are blank and the Detail Transactions field is set to No, an error message displays indicating that the Show COA Columns option requires a COA Type or that Detail Transactions must be set to Yes.

A new Layout menu at the top of the Financial Report Run screen contains two choices:

- Default. Use the Default layout to print a report with up to 16 columns. You can print the report on A4 or A3 paper, depending on the number of columns.
- Excel. The Excel layout can generate a report with up to 60 columns and is optimized for output to Excel. However, you can also view the report using the Document Viewer. If you are using the Show COA Columns option for a report, it is recommended that you use the Excel layout to accommodate the many columns that can result from this output.

#### Inserting Page Breaks in Reports

You can now insert page breaks between different report detail levels. To insert a page break between different levels of detail, enter “page” in the Row Style field in Report Tree Maintenance at the level after which you want the page break. For example, if the highest level of information in the report tree is GL, and the next level is Entity, enter “page” in the Row Style field for the GL node. On the report, the entity details start on a new page after the GL details.

## Year-End Closing

You can now run year-end closing on the official layer and also on management layers. You can close management layers before or after closing the official layer.

The Year-End Closing activities (25.21.4) let you run a process to automatically create closing postings and to close the GL calendar year to new transactions. This enhancement concerns Year-end Closing Execute (25.21.4.1). The purpose of this function is to carry out a registration function, where year-end periods are created (if required), year-end closing postings are created, and all GL periods of the GL calendar year are closed.

The year-end closing postings include:

- A P&L transfer to balance sheet posting
- A P&L closing posting
- A balance sheet closing posting
- A balance sheet opening posting

Prior to this enhancement, this function only affected the official (or primary) layer. The official layer was closed but all other layers, management or transient, remained open. This enhancement implements the year-end closing functionality in management layers. Transient layers are not affected.

## AR/AP Processing

Enhancements to the processing of incoming bank files provide improved visibility and reporting. You can also enable the process to create unallocated banking entries and prepayments, for manual allocation later. The following sections describe the enhancements to Process Incoming Bank Files.

### Processing Incoming Bank File Report

The Imported Bank File report (31.1.11) displays details on the status and allocation of imported bank files or batches of files. The level of detail included in the report enables it to be used for audit purposes and for troubleshooting.

The report displays different types of detail, depending on whether the record was a successfully processed customer payment, supplier payment, or banking entry, or if the record was unprocessed or processed with errors. The report contains up to five sections.

- The bank file name section displays details of the imported bank file, including an overview of the processing result.
- The batch number section of the report identifies the batch number of the bank file you have imported. This section also contains other details such as the currency, total amounts involved, and our bank account number.
- The third section displays the sequence line, displaying details of how the bank file line was processed. It indicates other details such as whether the line processed successfully, which bank account was involved, and the action type that was taken as a result of processing the line.
- The bank file processing result section contains two parts. The Format Name line contains header information, such as the business relation name, currency, amount, and payment reference. The second line contains the details of the payment. You can hide this line using the report filter by setting Show Payment Detail to No.
- The bank file processing log section can only be displayed when logging is enabled for the domain in Domain Modify. It displays details of the processes that have run for this bank line, along with the result of the process. You can control whether this section is displayed using the Show Processing Info

filter criteria. You can choose to display results for no lines, all lines, or only those that contain errors. The Processing Info Level filter criteria enables you to specify whether to display processing information at summary or detailed level.

### Incoming Bank File Excel Integration

You can now import a bank file using Excel Integration. Incoming Bank File Excel Integration (31.1.12) lets you export a file template to Excel, complete the template with bank file data, and import the file back into the system. When the file imports successfully, you can save the file and then run Process Incoming Bank Files (31.1.6) to process it.

### Payment Processing Configuration Maint

Using Payment Processing Configuration Maint (31.1.13), you can define how Process Incoming Bank Files (31.1.6) is to process bank files containing the action types:

- Create customer payment
- Pay customer payment

When the instruction in the bank file is to create a customer payment, and a customer is not found by the system, the default behavior is to raise an error message. However, you can instead specify that the system create an unallocated banking entry.

When the instruction in the bank file is to create a customer payment and no matching invoice is found by the system, you can specify system behavior by choosing to create a prepayment, create an initial payment, or create an unallocated banking entry.

When the instruction in the bank file is to pay a customer payment, you can choose to raise an error message or create an unallocated banking entry.

For each bank account, you can configure separate settings.

### Process Incoming Bank Files

As a result of the enhancements, depending on your configuration, Process Incoming Bank Files can create unallocated banking entries and prepayments.

The error messages displayed can also now be linked to the bank line where the error occurred.

### Zero Postings Report

Zero Postings Report (25.21.2.13) enables you to check posting lines with a zero amount. The search filters are Check Unposted Transactions, Entity, Daybook, GL Cal Year, GL Period, and Zero Amount By.

When you set Check Unposted Transactions to Yes and there are any unposted transactions, the report stops and displays a message. You can set up the report to display zero amount postings in trade currency, base currency, and statutory currency.

### Customer Payment Selection View

Before QAD 2015 EE, you could only view payment selections with the Initial status in Customer Payment Selection View (27.6.6.7). You can now view customer payment selections with all statuses: Initial, Allocated, For Collection, Paid.

## GL Report Writer

With the QAD 2015 EE release, GL Report Writer (GLRW) is retired and replaced by Financial Report Writer (FRW). FRW is fully installed as part of the core Enterprise Financials. FRW contains all the capabilities of the GLRW and more.

### Main Capabilities of FRW

FRW provides financial reports (balance sheets, income statements, cash flows, management reports ...) spanning multiple domains with chart translation to any desired chart and currency translation to any desired currency. The report hierarchies can contain selections of any of the accounting dimensions.

Report data is retrieved from the core QAD Enterprise Financial tables and is real time up to date.

You can build the report hierarchies and analysis codes from a single graphical UI.

You can also build the report structures in Excel and load these in the system with automatic creation of the underlying analysis codes and links to the charts.

The reports can have up to 60 columns of facts: amounts in any currency, opening balances, closing balances, period activity (month, quarter, YTD, period ranges...) comparing periods, side by side comparison of entities, cost centers, and comparing actual with budget.

You can include calculations with amounts in both rows and columns.

You can create easy to read reports with many formatting options leveraging the capabilities of QAD Reporting Framework, including many output formats: document viewer, printer, PDF, text file, or Excel.

You can print reports with or without transaction details. Alternatively, use the interactive screen to drill down from the report totals to the detail source transactions.

You can schedule reports to be printed in burst mode, repeating the same report for many entities or cost centers.

### Retiring GLRW

For customers who build a lot of reports with GLRW, conversion routines are provided to allow you to export GLRW report definitions in a format that can be directly imported into FRW. These routines enable existing reports to be migrated to FRW with limited effort.

The actual conversion steps consist of the initial setup of the FRW report chart and cube, followed by the export from GLRW and import into FRW of the report definitions (row group/report tree, column group, and report master).

In a new installation of QAD 2015 EE, the GL Report Writer is not included. Customers applying a 2015 or higher version of Enterprise Financials on a version of Enterprise Edition prior to 2015 can choose whether to run the old GLRW or take advantage of the new FRW.

## Operational Allocation Codes

Several enhancements allow the use of operational allocation codes when processing memo items in Evaluated Receipts Settlement (ERS) and Receiver Matching.

### Purchase Order Lines

When you purchase a memo item in Purchase Order Maintenance, you can use operational allocation codes at line level to split the posting lines across several GL accounts, sub-accounts, cost centers, or

projects. To use operational allocation codes, specify the allocation code in the Pur Acct field when you create the purchase order.

During Operational Transaction Post, operational allocation codes in PO Receipt and other transactions are “exploded” to split the posting lines across the GL accounts, sub-accounts, cost centers, and projects in the relevant allocation codes. Therefore, in most cases, the system creates the required allocation postings for memo item purchases during Operational Transaction Post.

### GL Accounts

The Account field in the GL Account record now contains additional validation. The system displays an error if you attempt to create a GL account that has the same code as an existing operational allocation code.

### Receiver Matching

Receiver Matching now supports the use of operational allocation codes.

If you set up an operational allocation code for several GL accounts and then specify the allocation code on a purchase order, Receiver Matching splits the posting lines across the GL accounts, sub-accounts, cost centers, and projects in the allocation code.

If you set the Use Exp Item Var Accts field to Yes in Supplier Invoice Control, you can view the operational allocation code in Receiver Matching, but the code is not actually used in the matching process. This situation occurs because the system has already charged the expense to the allocation code. The expense posting was created during PO Receipt, and was offset by the posting to the Expensed Item Receipts account and posted using Operational Transaction Post. In Receiver Matching, the main posting is to the Expensed Item Receipts account, and other accounts (other than tax accounts, the supplier control account, and the unmatched invoices account) are only used if there are usage or rate variances for the memo item purchase. If usage or rate variances occur, these are charged to the Expensed Item Usage Variance account or to the Expense Item Rate Variance account defined in Domain/Account Control.

If you set the Use Exp Item Var Accts field to No in Supplier Invoice Control, any usage or rate variances that arise from the matching of a memo item receipt are instead charged to the expense account defined on the purchase order line. If you specify an allocation code instead of a GL account, the allocation code is used in Receiver Matching.

For memo purchases only, you can change the GL account on the Receiver Matching line to an allocation code or you can change the allocation code on the matching line to a different one. In each of these cases, the Receiver Matching GL postings reverse the original postings made at PO Receipt and replace those with the new account or allocation code. As part of Receiver Matching, the allocation code is then exploded to its constituent accounts, sub-accounts, cost centers, and projects.

You can view operational allocation codes in Receiver Matching when matching memo items. The Op Alloc Code field in the Receiver Matching grid displays an operational allocation code if one was specified on the purchase order for the memo item. For memo items only, you can also enter a new allocation code, even if one was not used on the purchase order line.

### Evaluated Receipts Settlement

If you set up an operational allocation code for several GL accounts and then specify the allocation code on a purchase order, you can use ERS to split the posting lines for the invoice and receiver matching across the GL accounts, sub-accounts, cost centers, and projects in the allocation code.

## Cross-Company Postings

If you create and receive a purchase order for a memo item that uses an operational allocation code in one entity and then create the supplier invoice and receiver matching in another entity, the system creates cross-company postings. The GL accounts in the operational allocation code must be Standard accounts, and the system then uses the AP cross-company control account specified in the domain for the cross-company postings. During Operational Transaction Post, the posting lines, split according to the operational allocation code, are transferred to the other entity, where the original expense was recorded.

You must set the Use Expensed Item Var Accts field in Supplier Invoice Control to No to use any postings from allocation codes in Receiver Matching. To split the operational allocation code, the system takes a single posting line and splits the posting into two or most combinations of account, sub-account, cost center, and project, according to the allocation code. For each one of these postings, there must be an equal and opposite posting to the cross-company account in the invoice entity. Related cross-company control account postings in two entities must be equal and opposite.

## Periodic Costing Module in Entity GL Period Modify

You can now open and close the Periodic Costing sub-ledger in Entity GL Period Modify.

You can open the Periodic Costing sub-ledger if periodic costing is activated for the current domain. You cannot open the Periodic Costing sub-ledger if any future GL periods are still closed for period costing.

You can re-open the Periodic Costing sub-ledger for locked or open periods if the GL sub-ledger is open and if all other sub-ledgers are closed. You can re-open the Periodic Costing sub-ledger from within Financials or using an API.

In Entity GL Period Modify, you can manually close the Periodic Costing module for a particular GL period if there are no unposted periodic costing GL transactions and if there are no transient postings to Period Costing type daybooks for that period.

## Mass Layer PC-Transfer Execute

Mass Layer PC-Transfer Execute now runs at domain level so that you can use it to transfer periodic costing cross-company postings. In addition, the system displays a warning if any of the selected transactions are cross-company postings that still have corresponding postings in a transient layer. This provision helps to keep cross-company postings synchronized in both entities. Mass Layer PC-Transfer Execute only transfers one side of the cross-company posting. You must manually transfer the corresponding posting in the other entity to the management layer.

## GL Analysis Limitation

The system allows the user to create automatic GL accounts with all kinds of analysis limitations. Depending on the type of analysis limitation, some of the default analysis profiles are mandatory.

The system allows all kinds of analysis limitation in operational sides. If some analysis is mandatory but cannot be retrieved from operational transactions, the default setting in the GL account is retrieved when you post the operational transaction to the general ledger.

## SUTI

Sales and Use Tax API 5.0 is available in conjunction with the 2015 Enterprise Edition release. This new version provides enhancements to jurisdiction identification and provides additional GeoCodes.

## Internationalization Enhancements

### Golden Tax Enhancements

There have been several enhancements to Golden Tax:

- Remove the blocking of the operational process that happened in earlier versions
- Golden Tax Invoice File Create
- Golden Tax Browse and Report
- Payment of Golden Tax Invoices
- AR reports for Golden Tax Invoices

**Note** The full functionality is available as of QAD 2014 EE Patch 3 by installing a Financials patch and operational program updates.

#### Removing the Blocking of the Operational Process

Golden Tax invoice data is generated when an invoice is posted by the following programs:

- Invoice Post and Print (7.13.4)
- Pre-Shipper/Shipper Confirm (7.9.5)
- Shipper Unconfirm (7.9.21)

Therefore, the Golden Tax workflow can be processed without blocking any SO shipments.

#### Golden Tax invoice File Create

You can export the Golden Tax invoice file in CSV as well as TXT format. The activity now happens at entity level, rather than at domain level.

#### Golden Tax Browse and Report

An enhanced browse and report are available for Golden Tax:

- Golden Tax Invoice Browse (7.13.20.1.4)
- Golden Tax Invoice Report (7.13.20.1.6)

#### Obsolete Golden Tax Program

Pending Invoice Extract (7.13.20.1.1) is now obsolete.

#### Customer Invoice Modify

In the customer invoice, the system keeps track of the Golden Tax invoice numbers associated with the QAD invoice. After loading the Golden Tax file back into QAD, the VAT Invoice numbers (the real Golden Tax invoice numbers) become available on the Operational Info Tab. You can optionally update or input the Golden Tax invoice number manually.

#### Payment of Golden Tax Invoices

In the payment programs listed below, you can now search invoices based on the Golden Tax invoice number by entering the Golden Tax invoice number in the Shipper field:

- Customer Payment Create (27.6.4.1)
- Banking Entry Create (31.1.1) / Petty Cash Create (31.2.1)

- Open Item Adjustment Create (25.13.5)

#### AR Reports for Golden Tax

Several reports have the Golden Tax invoice number available in the data set so that it can be added to the report by customization. For the AR module:

##### Customer Invoice Extended View

In Customer Invoice Extended View (27.18.4), you can search the Golden Tax invoice number to find the related QAD invoice. There is a Shipper Number column to show the Golden Tax invoice number.

##### Customer Activity Dashboard

In Customer Activity Dashboard (27.18.1), on the Invoice tab, a new Shipper field (hidden by default) contains the customer shipper ID, legal document ID, or Golden Tax invoice number.

#### Other AR Reports

The Golden Tax invoice number field is available in the data set of the following programs, so that it can be made visible through customization:

- Customer Aging Analysis History (27.17.7)
- Reminder Letter (27.17.10)
- Customer Reminder Overview (27.17.11)
- Customer Statement of Account (27.17.19)

#### ERS Processor

In Brazil, companies need to create supplier invoices from legal documents. When this process takes place automatically, accounting entries are created immediately and the user saves the time spent performing the step manually.

When a user creates a legal document, ERS runs automatically to process the lines on the legal document when it is confirmed and create a supplier invoice. This process has been implemented for the following programs:

- Fiscal Confirmation (5.20.2)
- Fiscal Receiving (5.20.1)
- Purchase Order Returns (5.13.7)
- Purchase Order Receipts (5.13.1)

In ERS Control (28.10.24), four fields enable you to auto run ERS in these four programs. When you select these fields and run the relevant program, an information message is displayed to inform you that ERS will run automatically on confirmation of a legal document. The messages in each program are the same.

When you click Yes, the legal document is sent to the ERS processor. When complete, a message is displayed informing you that the supplier invoice has been created. You can view the invoice in Supplier Invoice View.

This approach ensures that Periodic Costing values inventory correctly.

## Legal Document Number in Reports and Views

In Brazil, transportation of merchandise requires a document to prove legality and possession of the inventory being moved. Legal documents include shipping information, such as item and tax. Legal documents are generated along with the shipper.

The legal document number needs to be shown in some AR financial reports and stored in related GL transaction posting lines.

In Simultaneous Operation Maintenance (7.10.13), two legal documents are created for a single shipper separately. One is the sales legal document and the other is the shipping legal document. Both legal documents are posted to the invoice and posting lines.

Legal document numbers are available in the following programs:

- Customer Payment Selection Create (27.6.4.6)
- Customer Payment Selection Modify (27.6.6.6)
- Customer Payment Selection View (27.6.6.7)
- Customer Open Item Report (27.17.1)
- Customer Open Item Basic Report (27.17.15)
- Customer Invoice Activity View (27.18.2)

For these programs, the legal document number is added in the Shipper field. New layouts of these programs are also available. These new layouts contain the LD suffix in the name; for example, Customer Open Item Report - LD. When there are multiple legal documents for the same invoice, they can be listed as a comma-separated list. The Excel layout also has an LD variant.

Legal document numbers are also available in the following GL transaction reports and views:

- Customer Account Activity (27.17.3)
- GL Transaction Report (25.15.1.1)
- GL Transactions by Account (25.15.1.2)
- GL Transactions by Sub-Account (25.15.1.3)
- GL Transactions by Daybook (25.15.1.4)
- GL Transactions View (25.15.2.1)
- GL Transactions by Sub-Account View (25.15.2.3)
- GL Transactions View Extended (25.15.2.10)
- Cost Center Trans Detail Report (25.15.3.2)
- Project Trans Detail Report (25.15.3.4)
- Transactions by Cost Center View (25.15.4.2)
- Transactions by Project View (25.15.4.3)

## Withholding Tax

There are three withholding tax enhancements in QAD 2015 EE.

- Due to a requirement in Thailand, you can now configure a domain to post withholding tax when a payment of an invoice is created and set to For Collection, rather than when the invoice is paid. If the payment bounces, then the withholding tax posting automatically reverses. This is also the case for payment selections that are unconfirmed.

- You can now make cross-company payments for invoices with withholding tax regardless of the exchange rate shared sets. Supplier Payment Selection Create (28.9.4.1) and Customer Payment Selection Create (27.6.4.6) allow you to search for invoices in all entities, regardless of the domain shared set.
- You can now create manual entries on withholding tax accounts using withholding tax codes to close off withholding tax balances or register payments of withholding tax to the government. This manual withholding tax settlement can apply to the following programs:
  - Journal Entry Create (25.13.1.1)
  - Banking Entry Create (31.1.1)
  - Petty Cash Create (31.2.1)
  - Open Item Adjustment Create (25.13.5)

### Alternate Description for AP Tax Register

Due to a new legal requirement in Italy, it is now necessary to display an alternate description for EU tax registers in the EU Sales Linked to EU Purchases (29.6.3.14) report. A new field in Tax Register Create (29.1.16), Alternate Description, allows you to provide an alternate description for a tax register.

### Currency-Dependent Rounding

A few countries have currencies with three decimals; for example, the Jordanian dinar, the Tunisian dinar, and the Omani rial. Beginning with QAD 2015 EE, the system correctly calculates and displays amounts expressed in currencies with three decimals from transaction creation to report generation. You can input amounts with three decimals in fields and view amounts accurately displayed in the forms, browses, and reports.

The limitations of currency-dependent rounding support are as follows:

- The logistics accounting module is not included.
- For add-on products included in the Compatibility Guide, please contact QAD if you require support for currency-dependent rounding.
- Amounts in transaction currency are not shown with three decimals in Financials reports that use Crystal Reports.
- Not all Fixed Assets reports display the third decimal where the third decimal is zero.

**Note** The Customer Management QRF Reports package is available at the end of March 2015. You need to install this package into your QAD 2015 EE environment to have Customer Management Reports that support currency-dependent rounding.

### Financial Translation Maintenance

You can maintain label and message translations in the financial programs by using Financial Translation Maintenance (36.24.10). This program enables you to:

- Search for financial translations using different filters.
- Edit original translations while keeping a record of the original.

The program also marks a record as updated when it is modified and records the last modified user ID and date.

## Customer Management Enhancements

### Customer Credit Hold

In the previous versions, the system sets the Action Status for the customers on credit hold to HD regardless of the reason for the violation. Now you can define the action status codes for credit violations in Generalized Codes Maintenance and specify a code for each credit violation in Sales Order Accounting Control.

Before assigning codes for credit violations, define the action status codes first for all the following fields in Generalized Codes Maintenance:

- so\_stat (for Sales Order, MO, and RMA)
- qo\_stat (for Sales Quote)
- sa\_stat (for Contract and Contract Quote)

Sales Order Accounting Control provides more options to control the display of customer credit status for different credit violations. When a credit violation occurs, the Action Status field is populated with the code specified for the credit violation. You can specify action status codes for the following credit violations:

- Customer on Credit Hold
- Fixed Credit Limit Exceeded
- Turnover Credit Limit Exceeded
- Maximum Days Overdue Limit Exceeded

The Action Status Selection Sequence field allows you to specify the sequence in which the system selects an action status code when multiple credit violations occur simultaneously.

SSM Accounting Control provides a new option, Use Action Status in Sales Order Accounting Control. This option enables the service transactions, such as contracts and calls, to use the action status codes specified in Sales Order Accounting Control.

### Pre-Shipper/Shipper

You can now search orders by Ship Via code in Picklist/Pre-shipper-Automatic and Pre-Shipper/Shipper Print.

### Customer Scheduled Order

A Zero Price Allowed for Cust Schedule option is now available in Sales Order Accounting Control. You can use this option to specify whether the system allows an item without price information (both List Price and Net Price set to zero) to be entered in a customer scheduled order.

### Customer Item Cross-Reference

You can now use the Cust Item Required option in Customer Data Maintenance to control whether the items sold to a specific customer require a customer item number to be assigned.

## Invoice Consolidation

The new Consolidate Invoices option in Customer Data Maintenance allows you to determine whether to consolidate invoices for specific customers when you confirm/unconfirm pre-shippers/shippers. The setting of this option overrides the setting in Cust Sched/Shipper Acct Control.

## Sales Order Print

In Sales Order Print, a new option, Unprinted SOs Only, allows you to limit the selection of sales orders to the orders that have never been printed. This option does not interfere with the logic that updates the Print field on the SO trailer and allows previously printed SOs to be easily printed again.

## Non-Inventory Item Validation

When you enter a non-inventory item in Sales Order Maintenance or RMA Maintenance, the system prompts you to confirm that you want to continue with the non-inventory item. In the previous version, only a warning message was displayed when you entered a non-inventory item.

## Browse Collections and Dashboards

- The following role-based browse collections have been created for this release:
  - Customer Service Manager in Customer Service Center
  - Sales Manager in Sales Management Center
  - VP Sales in Sales Management Center
- VP Sales Dashboard has been created and is available for download in QAD Store.

## Manufacturing/Supply Chain Enhancements

### Enterprise Asset Management Integration

EAM 2015 is now available to run in the same instance of the AppShell and in the same workspaces as EE. It is visible in the EE menu when properly licensed.

### Serialization

**Important** Serialization is currently in Limited Availability status and requires a special license code to unlock. Please contact your QAD representative for information.

The Serialization functionality introduced to QAD Enterprise Applications consists of the item serialization and the license plate inventory management capabilities. It provides a framework for tracking and tracing both lot numbers and serial IDs independently, but linking them together where both are used. Serialization provides accurate, real-time data updates on inventory processing and resolves inventory track and trace issues. By providing unique serialized IDs to every level of the packaging, serialization capabilities combat counterfeit efforts. The following topics discuss the individual functions that Serialization provides.

#### Packaging

Serialization functions let you:

- Define any type of packaging unit—boxes, cases, or pallets, for example—and any number of packaging levels.

- Define packaging structures based on item, origin, or destination.
- Assign label formats by packaging type, origin, or destination.
- Attach printed label IDs to packs, which become the identifier for your product or package. By using the serial IDs assigned to packaging units, material handlers move inventory more efficiently, which, in turn, moves the entire content of a package.
- Build packs, remove inventory from packaging units, and decommission package structures.

### Serialized Data Management

Serialization functions let you define serial ID ranges according to various industry standards. You can generate serial numbers on request.

You can track and trace a serial ID throughout its lifecycle from creation, commissioning, receiving to inventory, aggregation onto a packaging unit, issuing, and shipping to a customer.

Using Serialization functions, you can also change pack stages between inactive stages.

### Serialized Inventory Management

Serialization functions provide an efficient way to manage packaged inventory. They provide the capabilities to identify inventory with unique packaging units during order processing. You can capture, store, and retrieve unique serial ID records for each packaging unit level. Serialization helps you increase material handling efficiency and inventory accuracy.

You can use Serialization functions for discrete order processing during:

- PO receipts, including PO lines for subcontract work and supplier scheduled orders.
- SO and customer scheduled order shipping and truck loading. Serialization provides transactions for specific picking, packing, and truck-loading activities before goods are issued or dispatched.
- Returns for POs, supplier scheduled orders, SOs, customer scheduled orders, and DOs.

**Note** Serialization supports supplier consignment and customer consignment. You can receive goods by pack into inventory as supplier consignment. You can also ship packs of non-serialized items to your customer as consignment.

You can use Serialization functions for production processing during:

- Component transfer or stock movements on the shop floor
- Component issues
- WO receipts

You can also use Serialization functions for repetitive and advanced repetitive processing during:

- Component transfer to the shop floor
- Finished goods receipts
- Backflush transactions
- Finished goods transfer
- Scrap and reject of components

You can use Serialization functions for cycle counting and physical inventory.

### Communication and Integration

Serialization lets you:

- Communicate externally with customers or trading partners to request new serial numbers for production.
- Communicate production status of a serial number.
- Communicate serial numbers shipped to a particular destination.

Communication can be done through EDI or through specific ePedigree protocols to exchange data from and to specific portals, and through reports.

APIs and the integration foundation of QAD also provide for easy internal communication with other application systems, such as Manufacturing Execution Systems (MES), Line Management Systems (LMS), and data collection devices.

### Item Attributes and Quality Control

QAD Item Attributes and Quality Control (IAQ), which is available in EE 2015, provides manufacturing companies with critical control over product quality through centralized visibility of tracking quality issues during the manufacturing and distribution processes. QAD IAQ ensures that all items meet product quality standards and specifications from the point of receipt, through production, to customer shipment.

QAD IAQ allows you to assign specific attributes to items such as quality specifications, use-by dates, or country of origin to ensure that you meet the quality specifications required by your customers or industry and governmental regulators.

**Note** The existing Quality functionality is still available and it has been moved to the QM Quality Management menu (19.26).

### Values and Benefits

The primary value you will receive from QAD IAQ will be improved visibility into product quality. You will resolve quality issues earlier in the process, resulting in fewer defects, returns, and recalls. You will be better able to achieve your performance targets for key customer satisfaction and fulfillment metrics.

Additionally, QAD IAQ:

- Improves product quality tracking. Allows assigning, tracking and documenting key product specifications for items, and provides visibility from supplier receipt, through manufacturing to final customer shipment.
- Streamlines the receiving process. Allows defining multiple test specifications for incoming raw materials and components, ensuring that you only receive and send to production approved quality materials.
- Supports regulatory compliance. Captures and reports item attributes required by government or industry regulations to simplify regulatory document filing.
- Reduces customer returns. Provides required documentation to prove that products produced and shipped adhere to customer specifications.
- Improves inventory visibility. Provides better visibility through centralized storage of key item attributes and specifications; ensures improved inventory accuracy during purchasing, manufacturing and shipping.
- Reduces time and effort for quality compliance. Streamlines production processes by automatically generating quality test orders and ensures that parts adhere to required quality standards prior to moving to the next stage of production.
- Reduces product recall scope and costs. Enables prompt response to customer complaints, adverse events, and auditor inquiries using forward and backward lot tracking and tracing for products, which reduces product recall scope and costs.

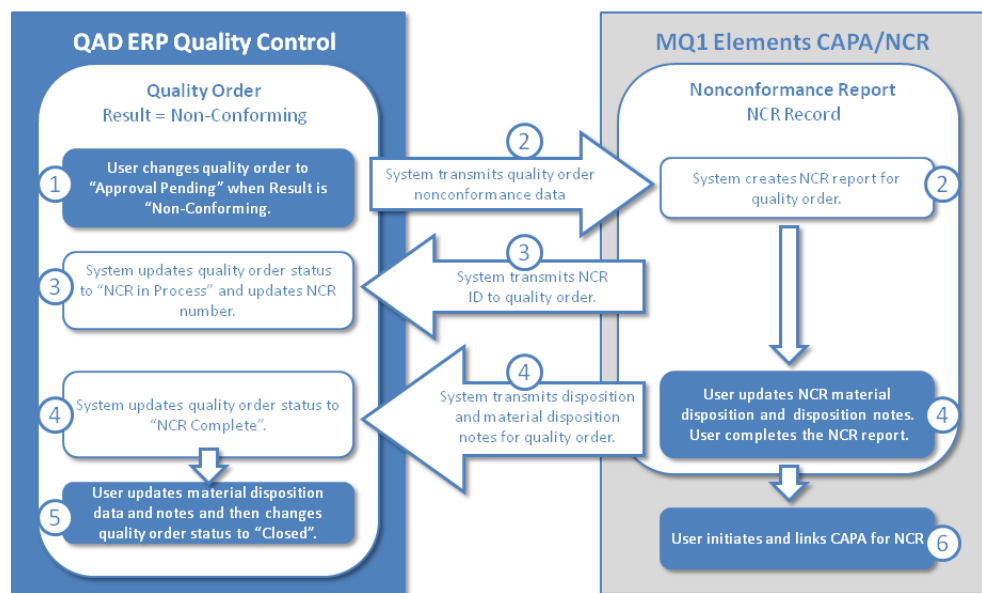
## Key Features

- Assigns key product specifications to any raw material, component, and sub-assembly material used in the manufacturing process, resulting in improved quality and better visibility of defect issues
- Tracks key components and finished products through the manufacturing and distribution processes to enable rapid identification of products that are subject to recall
- Captures unlimited generic or qualitative characteristics by item, lot, or sub-lot—supporting required documentation and reports for auditors, as well as for industry and government regulators such as RoHS, Dodd-Frank, cGMP
- Allows multiple item attributes, such as acquisition and use-by dates to items, assigned to lots and sub-lots—meeting customer-specific requirements and reducing product spoilage
- Allows assigning country of origin to raw materials, components, and finished products for governmental and regulatory reporting
- Provides control over product usage and shipment based on item profiles specific to bills of material, or specific customers or unique orders
- Defines multiple product specifications at various levels including items by supplier, work-in-process, items by customer, and finished goods

## IAQ Integration with QAD QMS for NCR/CAPA

Item Attributes and Quality Control (IAQ) is integrated with QAD QMS for NCR/CAPA. A non-conformance report (NCR) is an analysis of a material non-conformance and a statement of actions that should be taken as a result of the non-conformance. Corrective Action and Preventative Action (CAPA) describes the specific activities to address and to prevent a non-conformance.

The IAQ and QAD QMS integration eliminates redundancy and duplicate data entry, and it assures the initiation of non-conformance reports. Quality orders that have a non-conforming quality result provide the source data for NCR. The following graphic displays the process flow when IAQ is integrated with QAD QMS for NCR/CAPA:



## Periodic Costing

The following topics discuss enhancements for this release.

## New Periodic Costing Utilities Submenu

A new Periodic Costing Utilities submenu (30.5.7.25) is now available in the Periodic Costing Calculation Menu (30.5.7). It provides numerous verification and balance reports. Use the reports for reconciliation purposes:

**Table 1**

New Periodic Costing Utilities

Menu Number	Periodic Costing Utilities Menu	Description
30.5.7.25.1	PC Inv Verification	This report lets you verify that the operational inventory transactions add up to the same amount as the value posted to GL.
30.5.7.25.2	PC WIP Calc Verification	Use this function to verify that the values added to and subtracted from WIP by the operational transactions add up to the same amount as the value posted to GL.
30.5.7.25.3	PC Journal Validation	You use this report to verify that all data from Periodic Costing is posted correctly to GL. You can review and validate Periodic Costing journal postings.
30.5.7.25.13	PC Inventory Account Balance Report	This report is useful to see inventory movement by items. You can view account balance data. You specify the year, period, entity code, and whether the report displays empty lines.
30.5.7.25.14	PC WIP Balance Report	Use this report to view WIP balance data. You can specify the debit account, year, period, entity code, and whether the report includes zero amount work orders. The report displays the account and sub-account, cost center, beginning balance, period movement debit and credit, and ending balance at the top portion.
30.5.7.25.15	Labor Burden Reconcile Report	Use this report to view labor burden data so that you can reconcile discrepancies.

## New Operations Reports

This version provides several new operations reports in the Periodic Costing Operations Reports Menu (30.5.15):

**Table 2**

New Periodic Costing Operations Reports

Menu Number	PC Operations Reports Menu	Description
30.5.15.6	PC WO WIP History Inquiry	Use this inquiry to view WO WIP history data. You can specify the cost set and operation type, which are mandatory fields; then specify whether the WO master, WO detail, or WO routing data displays in the inquiry.
30.5.15.13	Operational Trans Detail Inquiry	Use this inquiry to view operational transaction details.
30.5.15.14	Op Operational GL Transactions	Use this browse to view GL transaction data, including the transaction number, GL reference, effective date, reference ID, GL transaction type, account, sub-account, cost center, project, BC debit and credit, documents, orders, item number, site, entity, ID, and operation.
30.5.15.24	Operational Inv Transactions	Use this browse to view inventory operational transactions. You can view the transaction number, GL reference and reference ID, GL transaction type, account and sub-account, cost center, project, BC debit and credit, and more.
30.5.15.25	WO Receipts	Use this browse to view WO receipt data including the transaction number, effective date, transaction type, date, order, item number and description, site, location, location quantity change, transaction price, standard amount, Periodic Costing unit cost and amount, entity, address, and cost set.

Menu Number	PC Operations Reports Menu	Description
30.5.15.27	Operation Transaction	Use operation transaction to view operation and labor transaction data, including the WO number and ID; item number; operation number and description; transaction number and type; effective date; employee; setup and run time; quantity completed, rejected, reworked, and scrapped; labor and burden cost standard; Periodic Costing amount; labor type; PO and receiver number; work center, department, and machine; and sequence number.
30.5.15.28	Subcontract Receipts	Use this browse as a drill down to view subcontract receipt data including the transaction number, effective date, transaction type, date, order, item number and description, site, location, location quantity change, transaction price, standard amount, Periodic Costing unit cost and amount, entity, address, shipper number, operation ID, and flag.
30.5.15.29	PC Cost Detail	Use this browse as a drill down to view operation cost adjustment transactions, including the transaction number and type, cost set and cost element, and level data. The report supports six transaction types.

### Additional New Reports

Two new reports were added:

- PC Cost Fluctuation Report (30.5.17.16)
- .NET UI SF Movement Report

### PC Cost Fluctuation Report

The PC Cost Fluctuation Report was added to the Periodic Costing Accounting Reports Menu (30.5.17). Use the report to determine when any item's unit cost varies by a large amount compared with previous periods after you run PC Calculation using either WAVG or FIFO methods.

### New SF Movement Report

A new .NET UI-only WO Close Variance Item Summary Report was added to the Inventory and SF Movement Reports menu (30.5.19). You can use the report to view WO close variance item data. You can view how WO close allocates remaining WIP cost to co-/by-products in the Inventory and SF Movement Report.

### New Grouped Site Logic

There is new behavior implemented for grouped sites:

**Table 3**  
New Grouped Site Logic

Function	Description
Transfer or perform DRP between grouped sites	Periodic Costing calculation handles transfers between sites that are in the same group as local transfers. The Periodic Costing unit cost is no longer affected by them. Previously, intersite transfers and DRP were processed in DRP receipt calculations before the unit cost calculation. Now, all local transfers are processed after unit cost calculations.
Apply PC unit cost adjustment to grouped sites	You can use PC Unit Cost Adjustment (30.5.5.1) for a site in a group to adjust a period cost. The system creates the PCCST-AD transaction for every site in the group and applies the PC calculation to the new unit cost to all sites in the group. This functionality is also available when you use PC Unit Cost Adjustment Upload (30.5.5.4).

Function	Description
Account balancing for grouped Sites	Periodic Costing now does account balancing across all sites in the group.
View grouped sites in inventory and SF Movement Report	Inventory and SF Movement Report (30.5.19.1) now shows all grouped sites as one. The report now displays all sites in the group data when you choose any site from the group. Previously, the report did not show grouped sites together.

### Standardized FIFO Negative Stock and Unit Cost

The system now consumes negative transactions in previous-period inventory. PC Calculation (30.5.7.1) no longer results in negative stock and negative unit cost when there is no over-issue. Previously, using PC Calculation, the following scenarios resulted in negative stock or negative unit cost:

- When the location inventory quantity increases through SO returns. This can increase quantity to previous or current periods and cause rework of ISS-WO issues for more receipts in a bucket.
- When negative RCT-WO issues are more than positive RCT-WO issues in one bucket and WO close is in the same period.
- When no WO close is in the same period and there is not enough inventory in the period. In this scenario, the system costs RCT-WO as 0 (zero), and the unit cost calculation results in negative quantity and 0 unit cost.

Previously, the following scenarios resulted in negative stock using FIFO:

- ISS transactions:
  - The period has no receipt but has an ISS transaction with a positive location quantity change.
  - When you make cross-site ISS transaction corrections, the system adds to the earliest period with a quantity.
- ISS-WO transactions:
  - When these occur, and the system consumes the current period quantity and you conduct a unit cost calculation for the current period, this can result in negative unit cost.
  - Cycle count or unplanned receipts with a rework for ISS-WO issues that are more than one receipt in one bucket can result in negative unit cost also.
  - The location inventory quantity increases by an in-site transfer and rework ISS-WO issues are more than receipts in a single bucket.

Now, with standardized negative stock and unit cost enhancements:

- Negative order receipts consume the quantity from previous period. When non-order receipts add quantity to the previous period—for example, through SO returns—the system processes them before the negative order receipts. When a unit cost calculation results in 0 or negative unit cost, the system sets the unit cost to that of the latest period with unit costs, and posts deviations to discrepancy.
- Negative receipts are considered as corrective action of positive receipts. When the total quantity is negative for a unit cost calculation, there is a correction for the previous period. So, the system absorbs negative stock by previous periods.
- You can maintain prior period unit cost in PC Unit Cost Adjustment (30.5.5.1) when it does not exist. Where no previous period has costs, the system logs the exception in the exception log.
- When PC Unit Cost Calculation results in 0 or negative costs, the system sets the cost to the one from the latest period with cost and post-cost deviation to discrepancy.

## New Functions for Processing Costs for Newly Added Products

With this release, the system includes new functions and processes for evaluating costs for newly added products.

You can now use PC Unit Cost Adjustment (30.5.5.1) to create a prior period for new items that you added after Periodic Costing initialization.

Previously, when Periodic Costing calculated the unit cost—referred to as the prior-period cost—for new items that you added after Periodic Costing initialization, there was no prior period to which to refer. Now, for FIFO and WAVG methods, you can establish an initial cost set prior to the period for which you added the item using PC Unit Cost Adjustment.

## Zero or Negative Unit Cost Now Reset to Latest Period Cost

For some items and sites, occasionally, there is no Periodic Costing unit cost for the period or the Periodic Costing unit cost is negative. In these situations, the system now resets the current period unit cost to the cost at the latest period that has unit cost so that the inventory quantity can be costed properly. Previously, when there were issue or receipt transactions, which increased or decreased inventory in the current period, the system set the cost of the inventory quantity as 0 or a negative unit cost.

## PC Calculation Enhancements

Several enhancements were made to PC Calculation (30.5.7.1):

- General Enhancements
- Improved PC Calculation Performance
- New PCCSTCOR Transaction
- Periodic Costing Calculation Exceptions Now Display

## General Enhancements

You can now determine which transactions are not processed by PC Calculation.

- In Transaction PC Cost Browse, you can select records by using the condition “Sequence contains 00000000” to select all transactions that are not processed by PC Calculation.
- PC Calculation no longer processes RCT-UNP transactions as receipts.
- For WAVG, the system costs RCT-UNP using current period cost. For FIFO, the system costs RCT-UNP with positive quantity using the current period cost; RCT-UNP with negative quantity is considered an issue,

## Improved PC Calculation Performance

This release provides the following PC Calculation performance improvements with summarized ISS-WO and Op\_Hist records:

- The system summarizes multiple ISS-WO of the same component issued from the same location in the same operation and generates a PCISSWOT transaction for the summary.
- The system summarizes operation transactions by WO ID, operation, department, work center, and machine. The system summarizes multiple operation transactions by department, work center, or machine, depending on the transactions, and generates the PCLABORT transaction for the summary.
- The system does not generate a PCISSWOT or PCLABORT if there is only one transaction for a particular combination of the key fields mentioned above. In this case, the PC amounts are added to the respective individual transaction.

Also, note the following ISS-WO improvements:

- ISS-WO of the reworked item is costed as the latest period with cost.

Previously, for example, if you had an ISS-WO for -10, another for + 10, then you deleted the WO bill and closed WO accounting, then ran PC Calculation, the ISS-WO was not processed before the WO close, the material cost was incorrectly calculated and displayed as such in PC WO WIP History Report (30.5.15.2), and the remaining WIP was 0.

- When using WAVG, and for a rework work order, when the previous period has no quantity but has cost:

- ISS-WO of the reworked item is costed as the latest period with cost.
- The system adds the quantity to the unit cost calculation of the current period.
- The system logs the exception when no previous period has costs.

Previously, the work order issue transaction (ISS-WO) for a reworked item was costed as 0 when the previous period had no quantity.

- When using FIFO, and for a rework work order, when the previous period has no quantity but has cost:
  - ISS-WO of the reworked item first consumes the quantity from the previous period.
  - When the previous period has insufficient quantity, the system costs the remaining quantity as the latest period with cost and considers it in the unit cost calculation of the current period.
  - When there is no need to refer to previous cost that did not exist, the system logs the exception when no previous period has cost.

The system now simplifies the calculation for intra-site transfer issue transactions (ISS-TR/DO/GIT) and receipt transactions (RCT-TR/DO/GIT). The system does not create GL (trgl\_det) transactions for these types of records. The system revalues the transaction amount at the PC value. The PCACCBAL transaction handles any value transfers between accounts.

#### New PCCSTCOR Transaction

When the PC unit cost calculation results in negative values for any of the cost elements, the system now creates the PCCSTCOR transaction to reset unit cost. The system records the actual calculated unit cost before the reset.

You can now view PC cost detail of PCCSTCOR for the unit cost before unit cost is reset in the PC cost calculation in the Transaction PC Cost drill-down.

#### Periodic Costing Calculation Exceptions Now Display

The Periodic Costing Calculation program generates exceptions during the calculation that show transactions that were not processed as expected so that you can identify the reason and make corrections. You can use the program-supplied exception log or the PC Exception Log Browse (30.5.7.2) to quickly view the transactions that cause the exceptions. The exceptions are typically due to unexpected data values. The exceptions that display in the log or report are:

- Not enough quantity for a negative receipt WO.
- Discrepancy during WO close when there is negative WIP.
- When the system processes PC total cost adjustment, the full adjustment value cannot be deducted from the first level and subsequent lower-level costs, and the remaining value is booked to the discrepancy account.
- PC total cost adjustment will not take effect when there is no inventory quantity of the period.
- When a WO receipt is done with 0 (zero) WIP value.

- When an invoice is not matched and when you set Use Supplier Invoice Cost to Yes in Periodic Costing Control (30.5.24).
- When transfers clearing accounts are not zero. (The transfer clearing account should be zero, assuming all ISS-TR or RCT-TR match.)
- A negative in the beginning or ending balance.
- Subcontract receipts that are missing the SUBCNT operation transaction.

#### Determine By-Product Periodic Cost by Last Period's Unit Cost

The system now evaluates the by-product PC cost by the last period's PC unit cost.

When the system calculates by-product WO receipts and base item WO closures, it evaluates by the last period PC unit cost. Previously, when PC processed a by-product's WO receipt or closure, the system used the by-product's standard cost because there was no method for you to determine the PC unit cost for the previous period when there was no quantity in that period.

Now, you can modify a by-product's low-level cost of the last period, so the system can use the data to evaluate the current period cost.

For co/by-product items, the system does not create a GL transaction for PC and does not calculate the ending cost correctly when the accounting period close is not in the same as the WO receipt period.

#### Determine Item's Receipt Quantity and Element's Receipt Cost

You can now inquire the received quantity and value by element for each item site that determines the PC unit cost.

The system creates a new inventory transaction—PCCSTCAL—for each item site when it calculates the PC unit cost of the period/bucket. The system displays the PCCSTCAL transaction data after all transactions receipt at cost and before all transactions receipt at average. In the Transaction PC Cost browse, you can drill down by right-clicking on the PCCSTCAL transaction number; then, selecting PC Cost Detail. A second-level browse displays the receipt cost of each element of the item site of the period/bucket.

#### Enhancements to Browse Collections/Reports

The following enhancements were made to Periodic Costing browse collections or reports:

- Transaction PC Cost Browse Collection
  - A new right-click menu displays when you click on the transaction number in the top browse. Some supporting browses for the transaction number let you drill down into other browses or more data.
  - You can now view WO issue history transactions with the related ISS-WO to help you reconcile GL.
  - The system now creates a new PCISSWOT history transaction to post accounting while it stores PC amounts to individual WO issues. In the browse, you can drill down to the supporting Summarized Component Issue browse and view reconciled summarized WO issues or labor transactions. The system displays the ISS-WO with the same WO, ID, operation, item, site, and location.
  - A new Qty Change field was added to the Transaction PC Cost browse.
  - A new Sequence field was added to indicate the transaction processing sequence by Periodic Cost Calculation.

- You can now view PC cost detail of PCCSTCOR for the unit cost in the PC Cost Detail child browse.
- You can now view extended information when you right-click the Transaction Number field, including data for the cost detail by element for the PC adjustment transactions, subcontract transaction information, and transaction details.
- **Operation History Browse**  
Enhancements were added to the Operation History Browse Collection, including the following:
  - The browse was improved, providing a better search capability of operation transactions.
  - You can now search:
    - Operation transactions across work orders
    - Operations by additional fields, such as department, work center, and more
  - You can now right-click on Transaction Nbr column of the top-level browse in the Operation History Browse Collection to access a menu of supporting browses for transaction data.
  - You can now use a new Department field in the Operation Transactions supporting browse of the Operation History Browse Collection to view or search by department for each operation transaction and search operation transactions by department.
  - New Qty Completed, Qty Reject, Qty Scrap, and Qty Rework were added to the Operation History Browse Collection's top-level browse. The Quantity column was removed. Also, the columns in the supporting Summarized Operation Transactions browse now match those of the top-level browse.
- Inv Detail by PC Cost Browse now always displays the up-to-date unit cost.
- Inventory and WIP Balance Report (mod7) displays the historical cost as of the period of the cost set you select.

#### PC Calculation Reverse

PC Calculation Reverse now runs at domain level so that you can use it to reverse periodic costing cross-company postings. Cross-company postings can occur when reversing distribution order receipt transactions and inventory transfers.

### Planning and Scheduling Workbenches

#### Component Availability Check Renamed Component Availability

The QAD Planning and Scheduling Workbenches-embedded Component Availability Check (CAC) function was renamed Component Availability. All references to CAC were removed from QAD Planning and Scheduling functions and options and from the Workbench Control File (22.20.24).

#### New Workbench Control File Field

A new MRP Plan Order Routing Create field was added to the Workbench Control File (22.20.24). When set to Yes the system creates MRP routing detail records for P(lanned) orders that are created.

#### Production Line Item Update Enhancements

Two fields in Production Line Item Update (18.22.1.21) now work in conjunction, and you can now run Production Line Item Update with a blank value in the Production Line field. When you do, you cannot update the Make Primary field. The Make Primary field is updateable only when you run the program and specify a production line.

## Performance and Memory Improvements

- MSW now shows improved performance when calculating Component Availability statuses. Previously, the performance was poor, which was a result of excessive abs\_mstr reads.
- MRP (23.1, 23.2, and 23.3) performance fixes include the following:
  - For sites that are enabled for the MSW/PSW, the MRP functions now have the ability to optionally create routing detail records for P(lanned) orders that are created. This option is controlled by the MRP Plan Order Routing Create field in the Workbench Control File (22.20.24); see “New Workbench Control File Field”. Previously, for sites enabled for the MSW/PSW, routing detail records were always created for P(lanned) orders and this resulted in increased MRP run times and database disk space usage.
  - For sites that are enabled for the MSW/PSW, the MRP functions and the Schedule Explosion function (18.22.2.4) now show improved performance when refreshing the routing and component detail for scheduled work orders. Previously, the schedule refresh would completely delete and re-create the routing and component detail and this resulted in increased MRP run times.
- The MSW/PSW now uses much less memory when processing. Previously, searches that retrieved large amounts of data could result in out-of-memory issues.
- For workbench-related EE programs, Workbench Setup Utilities (22.20.2) and Schedule Maintenance (18.2.1 and 18.22.2.1) have improved performance.

## Product Structure Maintenance

The QAD .NET UI-enabled version of Product Structure Maintenance has undergone a code overhaul. The enhanced version includes significant improvements in performance and reliability. Additionally, the updated code is controlled as a plug-in module, simplifying the deployment of potential future enhancements and fixes.

The code changes do not affect the way you use Product Structure Maintenance. The only visible change in the user interface is the addition of an About button, which lets you determine the specific version of the plug-in that is installed.

To ensure that you are running the QAD .NET UI version of Product Structure Maintenance, right-click the program in the menu, select Properties, and verify that Open With is set to .NET User Interface.

**Note** As with earlier releases of Product Structure Maintenance, you can also use the program in Desktop and Telnet (Character) mode. However, the navigation and functionality features of the .NET UI version are not available.

## Work Order Release/Print

A new Auto Pick field was added to Work Order Release/Print (16.6) that lets the system automatically perform detail allocations when you release or print the work order using the program. Previously, auto-picked components logic was determined by Inventory Control (3.24).

## Security and User Management Changes

### New Default for Credential Storage in Client-Side Active Directory Authentication

The client-side Active Directory Authentication feature now generates encryption keys that do not require users to re-enter their old Active Directory password upon a password change. This is the new default behavior. The cipher version determines the algorithm used when encrypting stored credentials. Valid cipher version values are 1 or 2. Version 1, the previous default, requires the re-encryption of stored

credentials when a user's Windows password changes. Version 2, the new default behavior, does not require the re-encryption when a user's Windows password changes. The cipher version is specified in the client session configuration file (`client-session.xml`). The default setting is now as follows:

```
<QAD.Authentication.ActiveDirectory.CipherVersion>2</QAD.Authentication.ActiveDirectory.CipherVersion>
```

### **QRA Session Management (Cloud Deployments Only)**

The QAD Reference Architecture (QRA) is a new module deployment framework within QAD Enterprise Applications – Enterprise Edition. QRA is required for user synchronization and additional features. QRA session management provides the ability to enable or disable QRA in QAD Enterprise Applications – Enterprise Edition. In March 2015, QRA (and QRA session management) are only available in Cloud deployments. For more information, contact QAD Services.

### **User Synchronization (Cloud Deployments Only)**

With user synchronization, QAD Enterprise Applications – Enterprise Edition user accounts can be synchronized with a corporate LDAP directory (Active Directory). The configuration for user synchronization includes the use of a DSML (Directory Services Markup Language) gateway for LDAP communication between QAD Enterprise Applications and a corporate LDAP directory. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

### **LDAP Authentication (Cloud Deployments Only)**

Users can log in to QAD Enterprise Applications with their existing corporate credentials. Configuration with the new LDAP Instance Maintenance and also User Maintenance settings. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

### **Email Login (Cloud Deployments Only)**

Users can log in with either their user ID or email address, using the same password they use for their other corporate applications. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

## **Installation and Conversion Notes**

### **OpenEdge 11.4 Hot Fix**

To install 2015 EE with Progress OpenEdge 11.4, you must install the appropriate hotfix for your platform:

- Linux: OE11.4 Hotfix10 minimum
- Windows or UNIX: OE11.4 Hotfix14 minimum

### **DB Connections Field**

A DB Connections field was added to QDT's Compiler Settings screen. This value was previously hard coded. The new field allows you to specify the number of databases that Enterprise Edition is connected to during database compilation.

## QXtend and EAM Installation

To install QXtend and EAM in a 2015 EE environment, install QXtend first followed by EAM. To install QXtend in a 2015 EE environment with an existing EAM installation, do the following:

- In QAD EAM Configuration go to the Database Advanced Properties #2 screen and set the Maximum clients per server field to 50 for each of EAM database.
- Go into the QAD EAM configuration, reset the Generate Scripts for QAD EAM option, and re-run it.
- Restart your QXtend Installation.

## EAM and Warehousing Installation Sequence

If you plan to install QAD Warehousing and QAD EAM in your QAD 2015 EE environment, you must install Warehousing before EAM. If you already installed EAM followed by Warehousing, the scripts generated by QDT are incorrect. To correct this issue, start QDT, go into the QAD EE configuration, reset the Generate Scripts for QAD EE option, and rerun it.

## Adding Languages

When adding new languages to a QAD 2015 EE installation after QAD EAM was added, you may encounter a problem in the QAD UI Build. The `qadui.log` file will contain the following error:

```
There is no server for database /dr01/qadapps/eaml/db/eamprod. (1423)
```

To avoid this problem, ensure that the EAM databases are running before you attempt to add a new language and run a new QAD UI build. To start the EAM databases, use the `start.eam.<env>` script for UNIX systems and the `start-eam-<env>.bat` script for Windows systems.

## Databases/AppServers Fail to Start During EAM Installation

The databases/AppServers may fail to start when EAM is installed after QAD EE installation. To resolve this problem, stop QAD EE and reattempt the QAD EAM install.

## Performance Notes

QAD 2015 EE performance is comparable with QAD 2014 EE.

## Additional System Changes and Limitations

At this point in the Enterprise Edition development cycle, differences with earlier releases as well as limitations exist in various areas:

- Not all optional modules and complementary products can be used with QAD 2015 EE. Some of these modules are planned to be available; others may be replaced by a different type of offering.
- Some limitations exist related to technical components such as databases and operating systems.
- Some specific application features that were available in previous releases of the core application are no longer available. In some cases this is intentional; in other cases, plans exist to reimplement the features for the Enterprise Edition.
- Enterprise Financials introduces many new capabilities as well as new Financial concepts. Due to differences in concepts with Standard Financials, a clear function-by-function comparison is not always possible. Certain specific functions of Standard Financials might work differently or not be supported in Enterprise Financials.

## Updated Policy Regarding Source Code

Source code licenses for QAD Enterprise Applications are available on a module-by-module basis and priced separately. However, even for customers who do not purchase source code licenses, QAD has historically made a subset of source available. This includes source for frequently modified reports and inquiries, and excluded transactional programs.

The list of files supplied as part of this free subset of source has changed in the EE release. QAD is maintaining the policy of allowing modification of reports and inquiries, but is now applying a stricter criteria to qualify what programs can be modified without purchasing source. As a result of this change, customers may notice that some programs they received in previous releases are no longer available. For example, QAD previously provided *all* include (.i) files—including those not used by reports and inquiries. Delivery is now limited to .i files that are needed by reports and inquiries; for example, frame definitions.

Another change in source code involves Financial source code. The new Enterprise Financials follows a different development model, and customization of source is facilitated through a customization layer that does not require direct update to the generated source code. Therefore, source for Enterprise Financial programs is not available for purchase by customers. A small subset of traditional Financial programs that still remain in the Accounts Payable (AP), Multiple Currency (MC), and General Ledger (GL) modules have been moved to the base (OS) module and are available to customers who purchase source for that module.

## Windows GUI User Interface No Longer Supported

In the Enterprise Edition of QAD Enterprise Applications, the .NET UI is the primary product user interface. GUI is no longer supported at all. Some programs can only be run in .NET UI; many operational programs can still be run in character, but the full use of the suite requires .NET UI.

## Progress Results Files

In QAD Enterprise Edition, a full set of Progress Results files (.qc and .qc7 files) is not provided because customer requirements for reporting vary extensively. Instead, a sample set is provided on the media containing five valid relationships. Users can add more relationships using the Progress Results application to fit their business needs. Refer to the Progress Results documentation or contact QAD Global Services for assistance with adding relationships to the existing QC files.

## Support for Optional Modules and Complementary Products

### Optional Modules Not Supported in QAD 2015 EE

#### Project Realization Management (PRM)

PRM was removed from the Enterprise Edition. It may be restored at a later time pending product management decision regarding enhancing PRM or using another project management solution.

#### Centralized Order Processing (not planned)

Centralized Order Processing (COP) is not supported in Enterprise Edition, either for sales or purchase orders. Other order management features can be used with QAD EE.

This means that you cannot enter an SO or PO in one domain and process the SO shipment or PO receipt in another domain. However, you can open an SO or PO with the header site belonging to one entity and the

line sites belonging to different entities in the same domain. In this scenario, the appropriate cross-company postings are registered.

You can also use Enterprise Material Transfer for cross-domain sourcing of items. Enterprise Edition features enhancements to the EMT functionality that make this method easier to use.

#### Complementary Products Not Supported in QAD 2015 EE

- QAD Manufacturing Execution Workbench (MEW) (unplanned)
- QAD Distributed Order Management (DOM) (unplanned)
- Trade Management (TrM) and APM Medical (unplanned)
- The Planner (unplanned)
- Multi-Level Pegging (unplanned)
- Q/LinQ and DataSync. The features of both these products are now included in QXtend.

### Installation and Conversion Limitations

#### Installation

Service pack only media are not provided. Each release is a full install, although database upgrade utilities are provided.

#### Conversions

To ensure the highest level of quality and success for customers converting to the QAD 2015 EE release, the participation of QAD or certified QAD partner services is strongly recommended. As a result, the conversions are disabled on the release media to ensure conversion requirements are properly reviewed and planned by QAD prior to any conversion activities.

#### Operating Systems and Platforms

Support for an Oracle database is not generally available; only Progress database can be used.

**Note** An Oracle version is available for Early Adopters only.

#### Performance Tuning

Please consult with QAD prior to implementing a Wide Area Network configuration for QAD 2015 EE.

### General Limitations

#### Multiple Databases Not Fully Supported

QDT does not currently support the installation of multiple databases. In addition, the application is limited in the support for multiple databases.

Because of the use of proxies through an App Server to update financial tables, you cannot switch databases if any activity may update financial tables. Currently, this means that a user cannot connect to another database from the UI. The only switching that is allowed is from the low-level DRP and EMT routines where it is known that the resulting updates do not affect financial data.

EMT itself works correctly in both single (cross-domain) and multiple database implementations. When using multiple databases, users must separately log in to the databases; it is not possible to switch between databases from the menu.

GL consolidation between multiple databases is not fully supported.

#### Some Financial Utilities Not Available

Delete/archive utilities are planned. Other utilities will be created as needed.

#### Handling of Euro Conversion Deferred

The programs for converting a currency to the Euro have not been updated to work with the Enterprise Financials. This will be addressed when a need for such conversion exists.

#### Financial Source Not Available

Since the Enterprise Financials use a new component-based methodology, they cannot be modified in the way traditional MFG/PRO programs were customized. Source code for the financial modules is no longer provided. Customization templates can be used to add business logic to existing Financial programs without making invasive code changes. Documentation of the source code required for creating APIs is supplied in HTML format. Customization features will be expanded in future releases to support additional features such as including new tables or new components.

#### System Cross-Reference Not Available

Earlier versions of QAD Applications provided a system cross-reference that let you see where tables, fields, and programs were referenced. This feature is no longer available, since it did not apply to the new component architecture.

### **Internationalization Features**

Support for country-specific requirements is being addressed in each release of Enterprise Applications. Many of these features that were previously provided as localization or partner offerings are now being provided as generic features of the product.

For a complete list of internationalization features and planned country support, see the QAD Support Web site.

## QAD .NET User Interface

These release notes include information about QAD .NET UI for QAD Enterprise Applications 2015 – Enterprise Edition (QAD .NET UI 3.1).

Review this document *before* proceeding with any phase of a QAD .NET UI implementation.

These release notes include the following sections:

**Installation and Configuration Information** 34

**Application Changes** 39

**Reporting Framework Source and Samples on QAD Store** 41

**Programs in Terminal Mode Only** 41

### Installation and Configuration Information

The following summarizes installation and configuration changes for this version of the QAD .NET UI.

For information on the QAD .NET UI release history, see the *Platform and Product Availability Guide*, available from the General Reference section of the QAD support site (<http://support.qad.com>).

The QAD Document Library (<http://www.qad.com/documentlibrary/>) offers a complete set of all QAD user guides, training guides, and other materials.

**Note** If upgrading from a previous version, be sure to review the release notes for the versions between your current version and this version.

### Cumulative Patch Information

**Important** Before installing the QAD .NET UI, be sure to go to the QAD Store (<http://store.qad.com>) to check for the latest cumulative patch for this version of the QAD .NET UI. You must install the patch after installing the QAD .NET UI.

### Release Summary

**QAD .NET UI Version:** 2015 EE (3.1)

**Product Versions:** QAD Enterprise Applications 2015 – Enterprise Edition

**Microsoft .NET Framework Version:** 4

Microsoft .NET Framework 4 must be installed on client machines. You can download and install it from the Microsoft Download Center (<http://www.microsoft.com/en-us/download/details.aspx?id=17851>).

**Tomcat Versions:** 7.x

**Operating System:** The QAD .NET UI client runs on Windows 7 and Windows 8 (Desktop Mode). The QAD .NET UI can run on 64-bit Windows, but only in 32-bit mode.

**Microsoft Internet Explorer Version:** 9 or higher.

The Connection Manager SSH implementation uses the jSch component by JCraft, Inc., distributed in accordance with the license agreement (<http://www.jcraft.com/jsch/LICENSE.txt>).

## Supported Languages

The user interface supports the following languages in this release:

Chinese (Simplified)	English (US)	Italian	Portuguese (Brazilian)
Chinese (Traditional)	French	Japanese	Spanish (Castilian)
Dutch	German	Polish	Spanish (Latin American)

The following languages have some support, but new terms added in this release may appear in English:

Bulgarian	Greek	Norwegian	Slovenia
Czech	Hungarian	Romanian	Swedish
Danish	Korean	Russian	Turkish
Finnish	Lithuanian	Slovak	Ukrainian

## Georgia SoftWorks Windows SSH or Telnet Server Installation

The QAD .NET UI uses an SSH or telnet server for two purposes:

- On the database server, it is used to run a pool of sessions that support maintenance programs, reports, and inquiries.
- It enables the client terminal interface for programs that only run in terminal mode (see “Programs in Terminal Mode Only” on page 41) as well as any custom programs that do not conform to QAD programming standards.

As of the QAD .NET UI 2013 release, the QAD .NET UI now supports secure shell (SSH) as well as telnet. You can use either SSH or telnet; the default is now to use SSH. Typically, the SSH or telnet server runs on a UNIX (or Linux) machine. If you plan to use a UNIX machine for the SSH server, QAD recommends using the SSH daemon, which comes standard on all UNIX distributions. If you plan to use a UNIX machine for the telnet server, you can use the default telnet service provided with the operating system.

If you want to run the SSH or telnet server on a Windows machine rather than a UNIX (or Linux) machine, use the Georgia SoftWorks (GSW) SSH Server or Telnet Server. This software is not included on the QAD .NET UI installation media: you must download the latest version of the software to obtain the most recent patches and functionality from Georgia SoftWorks:

<http://www.georgiasoftworks.com/>

For the Georgia SoftWorks SSH Server, see:

[http://www.georgiasoftworks.com/products/ssh2/ssh2\\_server.php](http://www.georgiasoftworks.com/products/ssh2/ssh2_server.php)

For the Georgia SoftWorks Telnet Server, see:

<http://www.georgiasoftworks.com/products/uts/overview.php>

Refer to the Georgia SoftWorks documentation for installation information as well as software and system sizing requirements.

The Georgia Softworks Power Features pack provides a session monitor, which is helpful for troubleshooting connection issues.

## Registering the Georgia SoftWorks Software

To register the software, you provide a product ID to Georgia SoftWorks so that a serial number can be generated for your product. The serial number identifies server hardware and software components. If these components change or are upgraded, contact Georgia SoftWorks about generating a new product ID and serial number.

**Important** If you need to reinstall or are planning to move your installation to a different platform, or if you are a sales agent or a distributor, include that information on the registration.

- 1 Select the Registration icon from the program group in the Start menu.
- 2 In the Georgia SoftWorks Product Registration window, enter your customer information. The information that displays in the Product Information section is system-generated.
- 3 Set Sessions Requested to 100. This is the number QAD automatically supplies with your registration.
- 4 Choose Save to File to save this information, or choose Print. Then, follow the appropriate step to supply the product ID to Georgia SoftWorks:
  - a E-mail the saved registration form file to Georgia SoftWorks at:  
registration@georgiasoftworks.com  
When your form is received, a serial number is generated for your product and is returned to you by e-mail.
  - b FAX the printed registration form to Georgia SoftWorks at 706-265-1020. When your form is received, a serial number is generated for your product and is returned to you by FAX.

When you receive your serial number, return to the Georgia SoftWorks Product Registration window and enter it in the appropriate field in the registration form. Click Register.

## Tomcat Configuration

As part of the software prerequisites for installing QAD Enterprise Edition, you must install the Tomcat web server in the \$CATALINA\_HOME directory as described in the *QAD Enterprise Applications – Enterprise Edition Installation Guide*.

**Note** When you install Tomcat, be sure to update the tomcat-users.xml file in the /conf directory to include user, password, and role settings for the admin and pronav users. For example:

```
<?xml version='1.0' encoding='utf-8'?>
<tomcat-users>
  <user name="tomcat" password="tomcat" roles="tomcat" />
  <user name="role1" password="tomcat" roles="role1" />
  <user name="both" password="tomcat" roles="tomcat,role1" />
  <user name="admin" password="mfgpro" roles="qadadmin,manager,manager-gui,admin,pronav" />
  <user name="pronav" password="editor" roles="pronav" />
</tomcat-users>
```

## Process Maps Installation

The process maps are delivered separately from the QAD .NET UI. The process maps for QAD Enterprise Applications 2015 – Enterprise Edition are included with the QAD 2015 EE release media and are available on the QAD Store (<http://store.qad.com>). The QAD Deployment Toolkit (QDT) installs the process map components (including the viewer and editor) along with the process map content as part of the overall installation process for the product. However, you should then get the latest process map content for QAD 2015 EE from the QAD Store.

### Process Map Configuration Settings

QDT installs the process map viewer, editor, and related components on the home server as a stand-alone web application named pronav (tomcat/webapps/pronav). The following settings in the client session configuration file (client-session.xml) specify the default configuration:

```
<!-- Process map settings -->
<ProcessMapBaseUrl>${DesktopProtocol}://${DesktopHost}:${DesktopPort}/pronav</ProcessMapBaseUrl>
```

```
<qad.url.process.editor>${ProcessMapBaseUrl}/ProcessEditor.jsp</qad.url.process.editor>
<qad.url.process.viewer>${ProcessMapBaseUrl}/ProcessViewer.jsp</qad.url.process.viewer>
```

Previously, the process viewer and editor were in `/tomcat/webapps/<environment>` and the process map content was in `/tomcat/webapps/<environment>/WEB-INF/pronav`.

Now process maps are included in an environment named pronav (`/tomcat/webapps/pronav`) by default. A benefit of this approach is that you can now define a single process map installation that can be shared across multiple environments.

**Note** The configuration setting for the process map images (QAD\_IMG), set in Administration > Process Admin, now requires a fully qualified domain name. The settings now include a QAD\_PMAP\_ROOT setting to specify the URL to the process map installation (`http://server.domain.com:port/pronav/`) and then the QAD\_IMG setting is `{QAD_PMAP_ROOT}images/`.

## HTML5 Process Maps and Internet Explorer

The Process Viewer and Process Editor support HTML5.

Computers running the QAD .NET UI 2015 EE client should be upgraded to use the most recent version of Internet Explorer available for the version of Windows.

For instance, if running Windows 7, you should have Internet Explorer 9, which supports HTML5.

**Important** If running Windows XP, note that Windows XP is no longer supported by Microsoft (and QAD). You should upgrade to Windows 7 or higher. However, if you are using Windows XP SP3, you should at least upgrade to Internet Explorer 8. (Internet Explorer 9 is not supported on Windows XP.) This version of the QAD .NET UI requires at least version 9. With version 8, the Process Editor will not work properly when opened inside the QAD .NET UI because version 8 does not support HTML5. If you want to edit process maps and are running Internet Explorer 8, a workaround is to install a different browser that supports HTML5 such as Chrome or Firefox, and then access the Process Editor as a stand-alone web application based on where it is installed.

You can identify the URL for the Process Editor by choosing Help | View Configuration and searching for “process” to find the URLs for both the Process Editor and Process Viewer. The Process Editor URL will typically have the format `http://server.domain.com:port/pronav/ProcessEditor.jsp`. Enter this URL in the browser that supports HTML5.

## Easy On Boarding and Integrated Customization Toolkit Process Maps

Process maps now include additional maps for Easy On Boarding (EOB) and the Integrated Customization Toolkit (ICT).

Easy On Boarding, available as a QAD Services engagement, simplifies the implementation process by populating most standard data and configuring standard processes. Companies can adjust both data and processes later, but the process streamlines the implementation tasks. For more information about Easy On Boarding, contact QAD Services.

The Easy On Boarding process maps are organized into industry verticals including Automotive, Life Sciences, Industrial, Electrical, Consumer Products, and Food and Beverage. Nodes on the maps include links to Easy On Boarding training, documentation, and other attachments that are provided during a QAD Services engagement.

You can only access the Easy On Boarding attachments if you have a QAD Services engagement for QAD Easy On Boarding.

**Note** The location of the Easy On Boarding attachments is specified by the Attachments setting on the Administration | Process Admin – Process Properties screen. If you do not have a QAD Services engagement and you try to access the attachments from a process map node, you will get a “file not found” error message. However, if you set Attachments to `ProcessViewer.jsp?ProcessName=eob_attachments&f=`, a process map displays instead that lets you know you can only access the attachments if you have a QAD Services engagement.

### Internet Explorer and QAD .NET UI Client Installation

**Warning** The 64-bit version of Internet Explorer does not install the QAD .NET UI client, even if you are running Internet Explorer as an administrator. You must use the 32-bit version of Internet Explorer (typically located in `C:\Program Files (x86)\Internet Explorer\iexplore.exe`) to install the QAD .NET UI client. A situation in which this is likely to occur is when a user inadvertently creates a shortcut to the 64-bit version of Internet Explorer rather than the 32-bit version, and then uses that shortcut to launch Internet Explorer.

### Reporting Framework Sample Reports

When upgrading from a version of the QAD .NET UI earlier than 2.9.4 where the Reporting Framework included six sample reports, note that the six reports have been removed in the newer versions. If you keep the previous menu system data, and the AppServer has the upgraded version without the .p programs (proxies) for the sample reports, you get an error when you launch the reports from the menu. If you no longer need these reports, you can delete them from the menu system using Menu System Maintenance. If you would like to continue to use these sample reports, you can copy the six proxy programs from your previous system to the new system and compile them. Alternatively, delete them from the menu system, and then install the six sample reports included on the Reporting Framework Source CD, following the instructions included with the CD, which is available for download from the QAD Store (see “Reporting Framework Source and Samples on QAD Store” on page 41).

### Configuring Business Intelligence (BI) Portal for Dashboards

This release of the QAD .NET UI includes Dashboards, which bring together browses, web pages, business intelligence, and metrics within panels. If you have QAD Business Intelligence (BI) 3.9 or later, you can include BI panels on dashboards. To have the QAD .NET UI communicate with BI, you need to specify the URL for accessing the BI portal in the client session configuration (`client-session.xml`) file’s `<BI.Dashboard.URL>` setting. The BI portal must be accessible to allow BI panels to be available on dashboards. (If the BI portal is not accessible, the BI panel option will not be available on Dashboards | Create Dashboard.) The setting in `<TomcatHome>`

`/webapps/qadhome/configurations/<environment>/client-session.xml` is:

```
<BI.Dashboard.URL>http://ip_address_of_BI:port_number/qadbi</BI.Dashboard.URL>
```

In addition, to access the BI portal, the login/password for the QAD .NET UI client must match the login/password for the BI portal.

### Operational Metrics for Dashboards

Dashboards can include operational metrics if they are available on your system. QAD provides the Operational Metrics functionality with an active maintenance contract, and a term license key applied to the QAD Enterprise Applications product (see [https://support.qad.com/license\\_keys/activemaintenance](https://support.qad.com/license_keys/activemaintenance)). For more information, contact QAD Support.

## QAD .NET UI Security Configuration

In the *QAD .NET UI Administration Guide*, the Security Configuration chapter describes how to configure security for the QAD .NET UI. The topics covered include the following:

- Setting up SSH on the QAD .NET UI
- Setting up Public Key Authentication for SSH
- Setting up SSH for QAD .NET UI terminal mode
- Setting up SSL on the QAD .NET UI Tomcat home server
- Setting up HTTPS for QAD .NET UI Desktop screen display
- Setting up HTTPS for AIA

## Application Changes

### Browse Quick Search Removed (UIGS-668)

The Quick Search panel for browses has been retired as of this release.

### Browse Export .xlsx Support (UIG-9348)

You can now specify the Excel file type for exporting browse data (Actions | Export | Export to Excel). The settings for the Excel file type (2003 for .xls or 2007 for .xlsx) in the client session configuration file are as follows:

```
<!--Excel Export format - 2003 or 2007 (xls vs xlsx file format) -->
<!--Default is 2007 -->
<ExcelFormat>2007</ExcelFormat>
```

### Browse Report Output Option To Remove Form Feed Characters (UIG-9311)

Previously, when exporting browse data to a report for a text printer, new pages included the form feed character (^L) at the start of each page. You can now specify whether the form feed character is included by choosing Options | Desktop | Page Break setting. You can also specify the default setting in the client session configuration file (`client-session.xml`) with the following:

```
<PageBreak>true</PageBreak> includes the page break character, while
<PageBreak>>false</PageBreak> does not include it.
```

### Process Viewer QADSH Link Behavior for Multiple Sessions (UIG-9235)

Process map nodes use QAD Shell URIs (`qadsh://`) to link to programs and other process maps. For instance, clicking on a node in a process map can direct a `qadsh` link to launch a program such as Sales Order Maintenance. Previously, if two QAD .NET UI clients were running on the same machine, a problem could arise where a `qadsh` link on a process map node would launch a program on the QAD .NET UI client that was started first. If you were using the QAD .NET UI client that was started second and clicked on a node to launch a program, the client that was started first would launch the program. This problem has now been fixed.

## Dashboard Changes

### VP of Sales Dashboard

A new Customer Management dashboard for VP of Sales is now included:

**VP of Sales** — Provides browses, business intelligence, and metrics to assist a VP of Sales with daily activities. With this dashboard, a VP of Sales can review salesperson quota achievement, top customers, top items and sales orders to ship. Further, the dashboard displays business intelligence on bookings (by domain, financial year and month), days of sales outstanding for the last 12 months, gross margin amount (by domain, financial year and month), and sales order shipments on-time in-full (OTIF) (by domain, year and month). Finally, the dashboard includes metrics on sales quote gross margin, sales order line gross margin, and overdue sales order lines.

## Security and User Management Changes

### New Default for Credential Storage in Client-Side Active Directory Authentication (UIG-9349)

The client-side Active Directory Authentication feature now generates encryption keys that do not require users to re-enter their old Active Directory password upon a password change. This is the new default behavior. The cipher version determines the algorithm used when encrypting stored credentials. Valid cipher version values are 1 or 2. Version 1, the previous default, requires the re-encryption of stored credentials when a user's Windows password changes. Version 2, the new default behavior, does not require the re-encryption when a user's Windows password changes. The cipher version is specified in the client session configuration file (`client-session.xml`). The default setting is now as follows:

```
<QAD.Authentication.ActiveDirectory.CipherVersion>2</QAD.Authentication.ActiveDirectory.CipherVersion>
```

### User Synchronization (Cloud Deployments Only)

With user synchronization, QAD Enterprise Applications – Enterprise Edition user accounts can be synchronized with a corporate LDAP directory (Active Directory). The configuration for user synchronization includes the use of a DSML (Directory Services Markup Language) gateway for LDAP communication between QAD Enterprise Applications and a corporate LDAP directory. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

### LDAP Authentication (Cloud Deployments Only)

Users can log in to QAD Enterprise Applications with their existing corporate credentials. Configuration with the new LDAP Instance Maintenance and also User Maintenance settings. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

### Email Login (Cloud Deployments Only)

Users can log in with either their user ID or email address, using the same password they use for their other corporate applications. In March 2015, this feature is only available in Cloud deployments and requires QRA. For more information, contact QAD Services.

## QRA Session Management (Cloud Deployments Only)

The QAD Reference Architecture (QRA) is a new module deployment framework within QAD Enterprise Applications – Enterprise Edition. QRA is required for user synchronization and additional features. QRA session management provides the ability to enable or disable QRA in QAD Enterprise Applications – Enterprise Edition. In March 2015, QRA (and QRA session management) are only available in Cloud deployments. For more information, contact QAD Services.

## Reporting Framework Changes

### Reporting Framework Support for Non-Western Characters in 2D Bar Codes (UIG-9362)

The display of non-ASCII characters requires UTF-8 conversion for some of the codes. A new script object (QAD.Translate.UTF8Encode) has been added to perform this conversion.

### Reporting Framework Source and Samples on QAD Store

The Reporting Framework Source and Samples download (Reporting Framework Source CD) is available from the QAD Store (<http://store.qad.com>). The download contains sample reports, templates, and portions of the Reporting Framework's Progress code that are relevant for Progress data source developer usage. This does not include the source code of the data source programs used by the hundreds of new reports that have been developed recently using the framework; it only includes the generic pieces that are part of the framework itself. The download also includes documentation, coding tools, and examples for using the Scheduled Report and Run Report APIs, which allow developers to write applications to schedule or run reports.

## Programs in Terminal Mode Only

Some programs are only available in Terminal mode, which emulates the Character UI within the QAD .NET UI. You navigate the program in the same way as in the Character UI. The following programs are only available in Terminal mode:

- Accounts Not To Convert Maint
- AP Integrity Report
- Archive File Reload
- Call Queue Manager
- Change Deferred/Accrued Accounts
- CIM Data Load Process Monitor
- Combined Integrity Checks
- Compile Programs
- Convert Ship Qty in Ship UM
- Count Program
- Create Records for Printer Output
- Database Connect
- Database Disconnect
- Database Table Size Inquiry
- Debug CIM Document
- Dump Export/Import Doc for Edit

- End User Time Zone Change Util
- Escalation Monitor
- Exit to Operating System
- Export/Import Document Query
- Field Eligibility Maintenance
- Fixed Asset Maintenance
- Fixed Assets Integrity Report
- GL Integrity Report
- GLRW Mismatch A/C Code
- Initial Euro Exchange Rate Copy
- Inventory Integrity Report
- License Registration
- Multiple Time Zones Startup Util
- PO Integrity Report
- Process Import Documents
- Program Level
- Program/Text File Display
- Receive Import Documents
- Reload Edited Export/Import Doc
- Required Ship Schedule Update
- Send Export Documents
- Sequence Maintenance
- Server Time Zone Change Util
- Set Multiple BOL Print Utility
- Ship-From to AR
- Trading Partner Library Load
- Trading Partner Library Unload
- WIP Integrity Report

# QAD Business Intelligence 3.11

**QAD Business Intelligence Version:** 3.11

**Date:** March 2015

## Summary

The QAD BI 3.11 release introduces the following improvements and fixes:

- LDAP authentication
- Active Directory User Sync

## Performance Enhancements

The performance of many stages of the ETL process are improved. Among the many improvements are:

- Eliminating time-consuming SET + CURSOR usage in stage tables
- Eliminating some permsup tables
- Ensuring that functions are not called for every row processed

## Space-Saving Enhancements

The History load now cleans up stage tables that are no longer needed, thus saving space during initial data load.

You can choose to not load all of your gltr\_hist table in SE Financials.

You can choose to not load all of your tr\_hist data in Order Management.

## Multi-source Staging

The Daily jobs typically process one source at a time before moving on to the next source. You can now choose to have the data loaded from the ERP application for each source, then have that data processed together in a single processing run.

## Active Directory Authentication for BI Portal

BI Portal users can now be authenticated against an Active Directory instance. The information from the Active Directory can be added to the BI Portal using a new Admin function: AD User Sync.

## E-mail Login for BI Portal

You can now log in to the BI Portal using either your ID or e-mail address.

## Upgrade Instructions

See the *QAD BI 3.11 Installation Guide* for the instructions to upgrade to QAD BI 3.11, and for a list of tables changed or added for this release.

## Enhancements and Fixes

**Table 1** BI 3.11 Enhancements and Fixes (1 of 10)

Component	QAD Issue	Description
Cubes, Metadata – Order Management, Portal Standard Objects – OM	QBI-4111	<p>The OLAP Sales cube has been updated to include a measure for Order Performance. Also, the Order Line Order Type dimension has been added, and Domain has been added to the Entity dimension. The measures for existing tables also have been updated. New measures have been added and some of the more detailed cost measures have been removed.</p> <p>This update replaces the existing cube. If you have customized the Sales cube directly rather than making a copy and customizing that copy, you should make a copy of your Sales cube before loading the Order Management update application. The upgrade requires you to delete the Cube in Analytical Services and re-create and repopulate it in the BI DWD.</p>
Cubes	QBI-4603	<p>The single Sales OLAP cube has been split into five different cubes, one for each of the following fact tables:</p> <ul style="list-style-type: none"> <li>• fact_om_order</li> <li>• fact_om_booking</li> <li>• fact_om_shipment</li> <li>• fact_om_invoice</li> <li>• fact_om_performance</li> </ul> <p>The “old-style” cubes in the DWD have been deprecated and are no longer shipped or supported. The measures included in each cube have been streamlined to improve processing time and reduce size, but you can customize the cubes to add additional measures if required. Copy the cube to a new, custom name before modifying it to avoid having your changes overwritten when future updates are made to the standard objects.</p>
Design Evaluation – OM, Metadata – Order Management	QBI-4364	This issue has been resolved. The invoice_number has been added to fact_om_shipment.
Design Evaluation – Operations	QBI-3214	To handle the occasional work orders that have a blank or null work order number, BI now assigns a value of NONE to those records. That value is found in both the perm_wo_ and perm_wr_ tables and in the subsequent fact tables. As work order number is part of the business key, it is critical that this not be a null value. Also, analytic tools do not have anything on which to drill down if the value is null. This also prevents issues in the perm tables where “null != null” would cause duplicates in the tables.
Design Evaluation – Operations	QBI-4428	<p>This addresses issues with duplicate key failures during daily loads of fact_po_order_history that typically arise when there are two versions of a PO in the staging tables.</p> <p>The code has been changed in fact_po_order_history to properly handle the issue that was causing BI po_order_history_load to fail with duplicate key error. Typically the issue surfaces if multiple versions of a PO order/line are in the fact table and then another multiple version of the PO order/line comes in from the prior stage table.</p>
Documentation	QBI-4426	For customers attempting to manually install BI on a split system, the BI Manual Installation instructions have been updated with a more detailed explanation about how to do this. See the appendix to <i>QAD Business Intelligence Installation Guide</i> for further details, but this is primarily meant for the people doing implementations.
Documentation	QBI-4533	Text was corrected in the Source Strategy (Column Description) for fact_om_invoice and fact_om_shipment tables' gross margin columns.
EAM	QBI-4829	The BI EAM Module now accommodates the ERP table name changes necessary for integrating EAM and EE. (For example: employee becomes employee_eam.) The scheduled jobs in BI detect which table name is in the EAM source without the need of a manually updated version number.
ETL Performance	QBI-3971	Extra jobs have been added to the historic load job chain that clean up all of the stage tables for each module before proceeding to the next module. This ensures that the database does not grow unnecessarily large with populated stage tables that are no longer needed for the next module being loaded. These jobs are labeled cleanup_<module>_tables. They are set up as part of the historic job chain parameter list by the initial_job_setup job.

**Table 1** BI 3.11 Enhancements and Fixes (2 of 10)

Component	QAD Issue	Description
ETL Performance	QBI-4756	An index was added to stage_om_order to improve performance and ensure that fact_om_order_history runs faster.
ETL Performance	QBI-4758	The code for stage_om_scheduled_order_perf1 was rewritten to perform more efficiently.
ETL Performance	QBI-4764	To reduce the amount of space required for a history load, some large Inventory stage tables in the hist_op_inv_process_chained job are now truncated immediately after the data is used in subsequent stages.
Metadata – Capacity Plan	QBI-4342	The dim_release_date dimension view has been corrected to have more useful, distinguishable Business Display Names, which appear in the Portal Query Designer. Previously, the column names in the table were identical to the underlying dim_date_qad dimensions from which they were derived, which made it difficult to tell different date dimensions apart when their columns were used in Portal queries.
Metadata – Capacity Plan	QBI-4344	The Routing Operation and PO Line Number attributes of the OP Work Order Routing Transaction Fact table now appear properly in the Portal Query Designer as attributes under the OP Work Order Routing dimension rather than as measures. Previously these were appearing as measures, along with the process_batch_id and extract_row_id columns.  To accomplish this, the metadata flags for “Additive” were removed and “Attribute” was added for the following columns in the fact_wo_routing_transaction table: <ul style="list-style-type: none"> <li>• routing_operation</li> <li>• po_line_number</li> <li>• extract_row_id</li> <li>• process_batch_id</li> </ul> The extract_row_id and process_batch_id also had their End User Layer flag cleared to prevent them from being visible in the Portal because they are not generally used in Portal queries.
Metadata – Capacity Plan	QBI-4605 QBI-4665	The order of the columns in the perm_work_center_master table is now source_system_code, domain_code. Previously it was domain_code, source_system_code, which caused the index to work inefficiently and caused stages that use the perm_work_center_master table to be slower than necessary.
Metadata – Capacity Plan	QBI-5066	dim_production_line now replaces a NULL value for the production line code (the value of the ln_mstr.ln_line field) with the word NONE so the record can be handled properly. Null values in a field that is part of the business key cause duplicate errors. Previously, a null value in ln_mstr.ln_line caused a duplicate error when the record was processed in dim_production_line.
Metadata – Financials EE	QBI-3406	Set + Cursor updates were removed from Financials EE staging. This has no impact on the customer because FIN EE did not use these cursors to create new dimension keys. Any unknown fields like project or sub_account have always been set to the zero dimension key. This change improves performance and has no impact on the data.
Metadata – Financials EE	QBI-3848	Financials EE is now using the parameter defaults for cost center, project, account, and so on, that have been used in SE accounting. Unknown or empty codes are changed to the default values you selected during the installation process.
Metadata – Financials EE	QBI-4258	Set+Cursor updates removed from Financials EE staging. This has no impact on the customer as FIN EE did not use these cursors to create new dimension keys. Any unknown fields, such as project and sub_account, have always been set to the zero dimension key. This improves performance and has no impact on the data.
Metadata – Financials EE	QBI-4352	The Common Module now supports multi-source staging.
Metadata – Financials EE	QBI-4440	The Financials EE Module now supports multi-source staging.
Metadata – Financials EE	QBI-4534	The SSM Module now supports multi-source staging.
Metadata – Financials EE	QBI-4542	The Operations (OP, Purchasing and Inventory) Module now supports multi-source staging.

**Table 1** BI 3.11 Enhancements and Fixes (3 of 10)

Component	QAD Issue	Description
Metadata – Financials EE	QBI-4550	The Order Management Module now supports multi-source staging.
Metadata – Financials EE	QBI-4783	<p>Overlapping Financial Periods in fact_ee_gl_balance (PostingHist in ERP) are now caught at the load table level instead of staging all the way to the fact table and receiving duplicate primary key errors. Installers have a difficult time cleaning up the data warehouse once the data gets through. This typically happens after an SE-to-EE upgrade, but every case has involved the Progress data being directly altered by an administrator and not as a result of an ERP code issue.</p> <p>The new error checking is part of the load itself so the only data that has to be deleted from BI is the load table data for that source. The only time you do not clear the whole table is on a daily run when using multi-source staging and this is not the first source loaded. Once the load table is clean and the ERP is cleaned up, the failed job can be restarted in the Scheduler without having to change any staged data in the BI data warehouse.</p> <p>Post Load Procedure post_load_ee_PostingHist was added to help catch errors in ERP FIN EE GL data.</p>
Metadata – Financials EE	QBI-4832	<p>Three items were fixed. The initial problems were:</p> <ul style="list-style-type: none"> <li>• The ar_aging_history_date column, which was set as the getdate() in the prior staging table, was introducing time stamps into the dss_history_start and dss_history_end_dates of the fact table. It should have stripped out the time stamp.</li> <li>• The time stamp issue was causing some updates to the table to not properly end_date records and left the future end date, plus on occasion it was setting the new start date to 3000-01-01, which was the day after the future end_date of the prior record.</li> <li>• In some cases, the dss_current_flag was not properly reset after a run, leaving no current record active, although the most recent version of the record still had the future end date.</li> </ul> <p>This update fixes all three issues.</p>
Metadata – Financials EE	QBI-4850	Column widths were widened to handle columns where data frequently exceeded the default widths in the ERP. This should eliminate unnecessary reworking of columns sizes in BI.
Metadata Financials SE	QBI-3405	Set+Cursor updates removed from Financials SE staging. All fact tables now use “Unknown” zero-key dimension record when the dimension cannot be identified in the ERP master data. For example, if an invoice contains an item that does not appear in item master, a dim_item record is not created to simulate it. The order instead reflects the generic unknown item. This is a minor loss in functionality that creates a major performance benefit during each DAILY scheduled job run.
Metadata Financials SE	QBI-4196	Set+Cursor updates removed from Financials SE staging. All fact tables now use “Unknown” zero-key dimension record when the dimension cannot be identified in the ERP master data. For example, if a general ledger posting contains a cost center that does not appear in the master table, a dim_cost_center record is not created to simulate it. The posting instead reflects the generic unknown cost center. This is a minor loss in functionality that creates a major performance benefit during each DAILY scheduled job run.
Metadata Financials SE	QBI-4360	This issue only affects BI 3.10 with a FIN SE source fact_ap_voucher_history and fact_ap_voucher_snapshot that were incorrectly deleting the final version of some vouchers, which left a voucher in an unpaid, aged status instead of closing out as paid. This issue has been repaired and any user upgrading from BI 3.10 to BI 3.11 needs to rebuild these two tables using the upgrade job and a DAILY run afterward. New installs of BI 3.11 are already fixed.
Metadata Financials SE	QBI-4432	The Financials SE Module now supports multi-source staging.

**Table 1** BI 3.11 Enhancements and Fixes (4 of 10)

Component	QAD Issue	Description
Metadata Financials SE	QBI-4531	<p>A new parameter of <code>gltr_hist_lookback_days</code> was added. This parameter limits the hist job load of <code>load_gltr_hist_history</code> by the number of days prior to the date of the hist run, which impacts <code>perm_gl_transaction_hist</code>.</p> <p>Default: 500000 (huge)</p> <p>Example: 1095 (3 years of data from date of the history load)</p> <p>Set this parameter before the initial history job load to limit the amount of information in:</p> <ul style="list-style-type: none"> <li>• <code>load_gltr_hist_history</code></li> <li>• <code>perm_gl_transaction_hist</code></li> <li>• <code>fact_gl_transaction</code></li> </ul>
Metadata Financials SE	QBI-4558	<p>This procedure catches a small bug that occasionally generates duplicates in the <code>fact_ar_invoice_history</code> table. A time stamp was being added to a date instead of just the date being recorded in a <code>dss_history_start_date</code> record. The time stamp sometimes caused run failures because the date and datetime values did not match.</p> <p>This fix cleans up any records with the time stamp and prevents the time stamp from being introduced into the <code>dss_history_start_date</code> records on future daily runs.</p> <p><b>Important for upgrades:</b> This change to the modified update procedure for <code>stage_are_inv_hist_age_recalc</code> requires additional changes after implementation if you have any custom columns on this table. Those custom columns need to be reintroduced to the procedure after the upgrade. This fix makes no changes to the table, just to the update procedure.</p>
Metadata – Inventory	QBI-4107	<p>The default value for the <code>INV_BALANCE_HIST_START_DATE</code> is now set to &lt;customer defined. Format YYYY-MM-DD&gt;. This needs to be set before an initial data load and is included in <i>QAD Business Intelligence Installation Guide</i>. (See the “Reference” chapter, Parameter Values that Need to be Set Before History Load table.) Previously this parameter defaulted to 2008-01-01 and it was not obvious that it should be changed to meet the customer’s needs for the amount of inventory history required in BI balanced against the size of the fact table.</p>
Metadata – Inventory	QBI-4604	<p><code>INV_LAST_IN_MSTR_EXTRACT</code> has been eliminated. The parameter was used to keep <code>in_mstr</code> in sync with transaction history to get a precise snapshot of inventory. This in sync datetime is by source and would not work in the multi-source staging environment so it has been replaced with a direct query on <code>in_mstr</code>’s extract timestamp as needed.</p>
Metadata – Inventory	QBI-4675	<p>This issue improved Inventory performance.</p> <ul style="list-style-type: none"> <li>• <code>stage_inv_mth_balance_hist_calc</code> now runs in roughly half the time as before due to new supporting stage tables</li> <li>• <code>stage_inv_mth_balance_hist_fiscal_period</code> and <code>stage_inv_mth_balance_hist_periods</code> run a few dozen calculations to replace one calculation per inventory balance</li> </ul>
Metadata – Inventory	QBI-4694	<p>This issue improved Inventory performance.</p> <ul style="list-style-type: none"> <li>• <code>custom_fact_inv_mth_balance</code> runs in about one-third the time it did prior to applying the new supporting stage tables</li> <li>• <code>stage_inv_mth_balance_hist_fiscal_period</code> and <code>stage_inv_mth_balance_hist_periods</code> run a few dozen calculations to replace one calculation per inventory balance</li> </ul> <p>These changes also were applied to <code>stage_mrp_calculations</code> and <code>stage_mrp_calculations1</code>, but the test data is too small to show performance improvement.</p>
Metadata – Inventory	QBI-4744	<p>Inventory processing is now more efficient. There were no changes to data.</p>
Metadata – Inventory	QBI-4904	<p>In earlier versions of the code, many instances of stage tables joined to the dimension <code>dim_item</code> to get important information. All of that information is now grabbed in one join upfront so that less processing is required in the stage tables</p>

**Table 1** BI 3.11 Enhancements and Fixes (5 of 10)

Component	QAD Issue	Description
Metadata – Inventory	QBI-4990	The logic for finding the end of month last cost needs to be different for AVG cost records vs. regular records. BI now filters out the use of CST-ADJ records for AVG cost method records. Although CST-ADJ records reflect the most recent cost for a correlating transaction, the effective period for the cost adjustment can be different than the effective period for the CST-ADJ record. The last non-CST-ADJ record for the fiscal period is used to calculate the last cost of the month. For regular orders, CST-ADJ records can be used.
Metadata – Multi-Module	QBI-3865	Data loads are now successful when SQL Server Native Client 11.0 is chosen as the ODBC driver for the Data Warehouse. This requires upgrading to QAD Data Warehouse Designer 6.7.4.
Metadata – Multi-Module	QBI-4106	A longstanding, minor problem with the calendar’s moving financial quarter has been fixed. dim_date_qad.moving_fin_quarter was not properly handling the year rollover. This attribute should equal “Current” for the last three financial periods. For example, on Aug. 28, the attribute is set to current for every date in June, July, and August up to and including Aug. 28. The setting of this attribute in the DAILY scheduled jobs (daily_date_roll_qad()) would only set Current back to January 1. This has been corrected.
Metadata – Multi-Module	QBI-4174	The default value for the corp_currency_code parameter is now set to <Enter 3-letter corporate currency code>. This needs to be set before an initial data load and is included in <i>QAD Business Intelligence Installation Guide</i> . (See the “Reference” chapter, Parameter Values that Need to be Set Before History Load table.). Previously this parameter defaulted to USD and it was not obvious that it could or should be changed to meet the customer’s needs. Incorrectly leaving it as USD if the customer mostly uses other currencies can result in slower processing due to excessive currency conversions.
Metadata – Multi-Module	QBI-4274	Two indexes have been added to dim_date_qad on current_fin_month to improve the performance of the queries used in the Portal’s CFO Dashboard. The new indexes are fin_month and dim_date_qad_key.
Metadata – Multi-Module	QBI-4361	Multi-Source Staging Structural Portion (Step 1) The INITIAL_JOB_SETUP that creates the Scheduled job list in parameters (HIST_JOB_LIST% and DAILY_JOB_LIST%) has been modified in anticipation of the full multi-source staging project in BI 3.11. This first step includes: <ul style="list-style-type: none"> <li>• Moving all EAM source types to the end of the job list.</li> <li>• Adding CONFIRM_CONNECTION_XXXXXXXXX job to the end of each PREPROCESS_[sourcename]_LOAD list.</li> <li>• Adding load_source_list and the functionality to manage which sources are being loaded during the DAILY load.</li> <li>• Making sure the TRUNCATE jobs cover all installed modules regardless of which source is loading and which modules are loading for that single source.</li> <li>• Making sure customized jobs added by the customer allow the maximum number of jobs to be in the daily load job list during the rebuild process in INITIAL JOB SETUP.</li> </ul>
Metadata – Multi-Module	QBI-4485	load_ld_det now only loads if the Operations Module OP is installed. load_ld_det is a table used in Operations only. As a result, tr_hist loading has been removed from hist_op_perm_chained and daily_op_perm_chained because it is no longer needed in the OP Module. No upgrade script is associated with this change.
Metadata – Multi-Module	QBI-4493	setup_job_chain_master() has been modified to make the cleanup jobs in the hist_load_job parameter list optional. The job parameter:com_add_cleanup_jobs was added to control this option with Y/N.
Metadata – Multi-Module	QBI-4559	This fixes an update process that was updating a perm_transaction_hist table record unnecessarily in an effort to capture any changes to invoices, fsm_type, and svc_type. This change ensures that the update of the perm_transaction_table by the procedure is only for the instances where there was a change to that record. No update scripts need to be run for this fix.
Metadata – Multi-Module	QBI-4671	permsup_transaction_hist deprecated. All references to the table were replaced with new fields in perm_transaction_hist. An upgrade script was added for the Common Module. This reduces database size and reduces usage of TempDB during DAILY run.

**Table 1** BI 3.11 Enhancements and Fixes (6 of 10)

Component	QAD Issue	Description
Metadata – Multi-Module	QBI-4830	Corrected parameter default values to not include spaces after commas and updated comments in parameters to indicate that lists should not have spaces.
Metadata – Multi-Module	QBI-4831	FindModuleExists has been enhanced to handle spaces within the list of modules. Previously it would not recognize modules if there were spaces between the module designations, which could result in tables such as op_hist or tr_hist not being loaded as expected.
Metadata – Multi-Module	QBI-4905	Some duplicate tasks were cleaned up out of Scheduled Jobs. These changes have no impact to the data or run time.
Metadata – Multi-Module	QBI-4976	tr_date is now the only criteria used to search for lookback days instead of using both tr_hist and ih_hist. This change improves performance times considerably.
Metadata – Multi-Module	QBI-4991	New pre-build sql catches errors in dependent simultaneous tasks. Severed scheduled jobs were repaired and all modified jobs were put in the host script for the BI 3.11 upgrade script. Only the job task order changed in each case.
Metadata – Multi-Module	QBI-5001	Procedure admin_auto_restart_failed_jobs is now in MASTER_311.
Metadata – Multi-Module	QBI-5002	cost_method has been added from the cs_mstr.cs_mthd to dim_item table to distinguish between Standard and Average costing methods for item/site combinations. The average costed item/sites are labeled with AVG. Depending on how you have your data set up, standard may be blank or it may say “standard.” This change was especially important for the Inventory Module.
Metadata – Order Management	QBI-2214	This change ensures that commonly problematic bad dates in certain table columns get handled properly to prevent load table load failures.  For example, if 07-07-0011 is tr_expire, this normally would cause the load table to get no data or cause a load failure. Now the bad date is fed into the data warehouse but converted into the DATE_EARLIEST_POSSIBLE parameter value.
Metadata – Order Management	QBI-4109	Logic in prior releases considered an order_line closed if the shipped amount was equal to or greater than the ordered amount. This did not account for the fact that an order line should not be considered closed until fully invoiced. The new logic considers a non-scheduled order to be closed in only three situations: <ul style="list-style-type: none"> <li>• If the shipped amount and the invoiced amount exceed the ordered amount.</li> <li>• If, regardless of the invoiced or shipped amount, the record is generated only from an invoice and there is no correlating sod_det record.</li> <li>• If, regardless of the invoiced or shipped amount, the record is generated from an invoice and the sod_det record that exists has the column complete_state=01.</li> </ul> In all other cases the records are considered open.
Metadata – Order Management	QBI-4169	The BI system adds to the dim_site dimension any site codes that are referenced by item-site data, even if the site is no longer in the si_mstr table.  In earlier BI versions, prior to BI 3.10, any various code values found in transactional data that were not already in the appropriate dimension (account codes, site codes, project codes), were automatically added to the dimension. This type of processing was resource-intensive and was removed from BI 3.10. However, this meant old item data that may have referenced site codes that were not longer in si_mstr would have a valid site_code but link to the “Unknown” dim_site record. This fix ensures the dim_site is updated with site codes that are referenced by any item data, even if the site_code no longer exists in the si_mstr table (the primary source for dim_site).
Metadata – Order Management	QBI-4351	The Customer Sold-To Code in fact_om_shipment table records value usually comes from the Sales Order record (so_mstr.so_cust field). However, BI sometimes gets shipment information from the Transaction Table (tr_hist) for which the corresponding sales order has been deleted. In this case, the fact_om_shipment table now displays the Customer Sold-To Code that is in the Transaction Table’s Address field (tr_hist.tr_addr). In previous releases, if the sales order was missing, the shipment record showed “Unknown” for the Customer Sold-To Code.

**Table 1** BI 3.11 Enhancements and Fixes (7 of 10)

Component	QAD Issue	Description
Metadata – Order Management	QBI-4364	The fact_om_shipment table now includes the Invoice Number associated with the Sales Order Line, if one exists in the tr_rmks field of the tr_hist record for this order line.
Metadata – Order Management	QBI-4491	Sales Account information from the invoice or sales order line tables has replaced accounting codes from invoice or sales order headers in the OM fact tables. There is an accompanying upgrade script for OM but if the account codes in OM are unimportant, the upgrade script does not need to be run.
Metadata – Order Management	QBI-4492	Scheduled orders in prior releases would extract all versions of an order on every daily run, meaning an order number that has been scheduled for 10 years would have all of its lines extracted for all of the prior 10 years of records on each DAILY extract from perm. The changes made here ensure that only the scheduled order records that have had any changes are extracted.
Metadata – Order Management	QBI-4560	Perm (as well as correlating work and extract) tables were added for the OM Module to capture the absr_det and schd_det information. The inclusion of perm_tables ensures that on the daily extract BI limits the amount of data being extracted to just changed records, not all the records in the table. This should ensure much faster daily runs for customers with scheduled orders because only relevant information is being gathered.
Metadata – Order Management	QBI-4620	This change only impacts scheduled orders in OM and should result in improved performance. The original code was doing multiple passes through the perm_transaction_history table, which contains all transactions that have ever occurred, instead of the extract_om_transaction_history table, which only contains the most recent changes. Fact tables should be populated with the same results.
Metadata – Order Management	QBI-4621	This change affects scheduled orders in OM and should result in improved performance. The original code did two select-within-a-select statements, which run inefficiently. One of these was recoded to follow normal coding standards. OM fact tables should still populate with the same results.
Metadata – Order Management	QBI-4664	permsup_om_invoice_header and permsup_om_invoice_line deprecated. All references to permsup fields have been replaced with new fields in perm tables. An upgrade script was added for the OM Module. This reduces database size and reduces usage of TempDB during DAILY run.  <b>NOTE:</b> When upgrading from BI 3.10 to BI 3.11, it is critical that INITIAL_JOB_SETUP is run again so that new CONFIRM_CONNECTION_% jobs are created and added to the DAILY job chain. This is part of the new Multi-Source Staging management system and the new jobs are required whether you are single or multi-source staging. This should be done prior to running the upgrade jobs as they also use CONFIRM_CONNECTION_%.
Metadata – Order Management	QBI-4695	The stage_om_price_list no longer fails if a non-integer value exists in the pc_mstr.pc_min_qty field. The error was due to a comparison in the ZipNumbers function that was implicitly converting a value to integer to make a comparison to zero. By quoting the 0, BI now does a string comparison that does not attempt to convert the pc_min_qty value.
Metadata – Order Management	QBI-4699	In order to constrain the amount of data in the fact tables to a certain date, for example a 2-year look back for fact tables, set HIST_FIRST_DATE_PERM parameter to a date 3 years before and HIST_FIRST_DATE_FACT to 2 years before. The perm tables should be populated with 3 years of data and the fact tables should have data starting at the 2-year date from the _FACT parameter.
Metadata – Order Management	QBI-4707	In the past, Financials EE has suffered from NULL or blank numeric fields. All known cases can be traced to conversions of SE to EE or other administrative manipulations of ERP data. BI now has several safeguards in place to turn the null/blank values to 0 or 1 depending on the situation so that calculations can be made on all existing data.
Metadata – Order Management	QBI-4741	To improve performance on stage_om_order_transaction4, where the customer has many scheduled orders, indexes were added to: <ul style="list-style-type: none"> <li>• extract_om_invoice_header</li> <li>• extract_om_invoice_line</li> <li>• stage_om_order_transaction1</li> </ul>

**Table 1** BI 3.11 Enhancements and Fixes (8 of 10)

Component	QAD Issue	Description
Metadata – Order Management	QBI-4760	POSTPROCESS_OM_SUMMARY during the DAILY job runs now takes 10-15 minutes less time than before. stage_om_order_snap2 now correctly uses the SQL Server index to make it faster.
Metadata – Order Management	QBI-4788	fact_om_order_history now runs faster and uses less temporary disk space with performance improvements that do not change the data results.
Metadata – Order Management	QBI-4811	The changes made to accommodate scheduled orders in OM ended up creating problems with regular orders in the fact_om_shipment table because there were multiple extra columns included as the business key. A change of due_date in 3.9 and 3.10 is causing the original record to remain in the table and a new record to be created, essentially creating duplicates. For non-scheduled orders, a change of due_date should change the due_date on the record, not create a new record and leave the old one. The solution was to create a composite key of the values relevant to scheduled orders and to set the composite key value for regular orders to NONE. The upgrade simply checks for the scheduled order flag = Y and builds the composite key from existing records. Otherwise if not a scheduled order it populates the new column with NONE.
Metadata – Order Management	QBI-4925	The business key for scheduled orders is different than for regular orders. This was causing problems for non-scheduled orders if things like due_date changed. (due_date is part of the scheduled_order business key but should not be for regular orders.) A new column, scheduled_order_composite_key, was added to these tables to ensure that parts needed for a scheduled order that were extras to a regular order business key, could all be in one place. For regular orders, the value in the composite key column is NONE.
Metadata – Order Management	QBI-4974	Invoice number was removed from the business key on perm_customer_consignment because that column can start out null and be populated later, creating duplicate records. That also means that two order/lines can be in the table with two different invoices and can cause duplicates when records are matched to the perm_table to find consigned orders, so the references to the perm table also do a distinct on the records to ensure that only one record is returned.
Metadata – Order Management	QBI-4978	In instances where tr_hist records have shipments for one item and the idh_hist records have a different item, the records were not going through to fact_om_shipment. This has been resolved, by not matching on item number. An extra column, discrepancy_notes, was added all the way up through to the fact table that displays the tr item and idh item if they do not match.
Metadata – Purchasing	QBI-3414	NULL values from Progress fields wo_mstr.wo_nbr and wo_mstr.wo_lot are now being filtered out of load_wo_mstr/load_wo_mstr_hist. These records are considered invalid and can cause duplicate primary keys in fact_wo_order.  Users experiencing duplicate key errors in scheduled jobs DAILY_OP_WO_PROCESS_CHAINED or HIST_OP_WO_PROCESS_CHAINED may need this fix to change the “where” clause in two load tables.
Metadata – Purchasing	QBI-4348	Added additional column quantity_ordered_final to fact_po_order_history and populated it with data from the cum_quantity_received+cum_quantity_required columns from the extract_po_receipts table. Receipts take priority over POs and tr_hist data. This ensures that BI has the actual final quantity ordered in an instance when an order is partially fulfilled and the customer accepts that as the full amount. Fact PO order history now reflects both the original amount ordered and the final amount ordered (or accepted).
Metadata – Purchasing	QBI-4430	An extract join was added to query for extract_po_receipt_hist. It has been shown to boost performance on this one extract in one instance.

**Table 1** BI 3.11 Enhancements and Fixes (9 of 10)

Component	QAD Issue	Description
Metadata – Purchasing	QBI-4669	permsup_op_order_header, permsup_op_order_line, and permsup_om_receipt_hist deprecated. All references to permsup fields have been replaced with new fields in perm tables. An upgrade script was added for the OP Module. This reduces database size and reduces usage of TempDB during DAILY run.  <b>NOTE:</b> When upgrading from BI 3.10 to BI 3.11, it is critical that INITAL_JOB_SETUP is run again so that new CONFIRM_CONNECTION_% jobs are created and added to the DAILY job chain. This is part of the new Multi-Source Staging management system, and the new jobs are required whether you are single or multi-source staging. This should be done prior to running the upgrade jobs as they also use CONFIRM_CONNECTION_%.
Metadata – Purchasing	QBI-4745	Two Purchasing stage tables used in the DAILY load were incorrectly referencing some fields from the History load tables. stage_po_order_hist_daily3 and stage_po_order_hist_daily6 have been corrected to source the tables that contain daily load data.
Metadata – Purchasing	QBI-4810	This issue was caused by multiple versions of records in a staging table being joined to even more versions in the fact table. The system was not looking for just the dss_current_flag in ('P', 'Y') records and as a result, ended up with a Cartesian join on the insert. Adding the line: AND vers.dss_current_flag in ('P', 'Y') at the end of the existing vers join resolves the issue.
Metadata – SSM	QBI-4787	The load_ca_mstr table loads the ca_opn_time and ca_cls_time values into nvarchar fields. In stage_ssm_call_master the values are implicitly converted to numeric values in order to calculate the Open or Close time. These calculations are now embedded in a cas. statement to ensure that the values are actually numeric prior to attempting the calculation, because it is possible that one of these fields could contain a non-numeric character. Previously the calculation failed if a non-numeric character was encountered; now any non-numeric character is treated as 0.
Portal	QBI-3112	Some of the standard dashboards have visual items that are minimized by default. This is done to minimize system overhead when the dashboard is initially displayed.  Previously, when the user restored one of these minimized visual items, the restore action did not show the visual item. However, if the user clicked the “Restore” button on a linked parameter bar, the visual item displayed correctly.  This problem is now resolved. Visual items display correctly when they are restored.
Portal	QBI-3937	In QAD BI Portal reports that require a date input, there is a noticeable and significant delay between when digits for a date are entered and when they appear on screen. The fix for this is addressed in three ways: <ul style="list-style-type: none"> <li>• Best practice for Report date parameters is to use lookup queries. This is now articulated in Knowledge Base AA-8643 and will be included in an update to the <i>BI Portal User Guide</i>.</li> <li>• New Validation reports use lookup queries for dates. This addresses the specific issue with GL Validation reports.</li> <li>• Additional indexes have been added to dim_date_qad DW, specifically in support of the CFO Dashboard. Customers can also add their own indexes, if they have specialized date lookup requirements.</li> </ul>
Portal	QBI-3944	In the BI Portal, the indicator in the left window frame now shows as “Busy” until the report has been generated in the right window frame.
Portal	QBI-4021	In BI Portal reports, subtotals and totals could display different rounding formats than the column numbers. This happened when there were many columns on a report. This has been corrected.
Portal	QBI-4104	BI charts can be added to a dashboard within the ERP. From those BI charts, you can drill out to the BI dashboard that contains the chart. In the past, this functionality did not display the correct BI dashboard.
Portal	QBI-4270	If BI Portal version 3.10 is installed on a server that does not have the DejaVu Sans true-type font installed, when you try to run a report you get the error:  Font ‘DejaVu Sans’ is not available to the JVM. See the Javadoc for more details  This was resolved for the maintenance release BI 3.10A. The DejaVuSans.tff file was added to the BI Portal package and the fonts definition file was modified to reference the file.

**Table 1** BI 3.11 Enhancements and Fixes (10 of 10)

Component	QAD Issue	Description
Portal	QBI-4275	BI 3.10.0 includes new functionality in support of Single Sign On (SSO). With SSO, the BI Portal uses SAML to authenticate users of the BI Portal Client.  For users who access the BI Portal from the ERP, using the ERP Dashboards, LDAP authentication is used.
Portal	QBI-4489	ResetPassword function now works as expected; a random password is generated and the correct encrypted value is stored in the database. Previously the incorrect encrypted value was being stored in the database, so the random password sent to the user did not actually allow the user to log in.
Portal	QBI-4805	The BI Portal has been modified to allow users to log in using an e-mail address. This affects both the BI Portal client and the API used by the .NetUI application.  In conjunction with this modification, the BI Portal user maintenance screen now enforces unique e-mail addresses. If a customer wants to remove this constraint, this is done by setting <userEmail userEmailUnique="false"/> in the server-config.xml file.
Portal	QBI-4982	The BI Portal can now perform user authentication against an Active Directory or other LDAP server.  When LDAP authentication is enabled and the user has been configured for external authentication, the user is authenticated against the LDAP Server. No password is stored or used in the BI Portal database.  This functionality requires additional setup components. See <i>QAD Business Intelligence Portal User Guide</i> for more information related to system setup.  The User Maintenance function has also been updated to allow system administrators to maintain the data that is required for Active Directory authentication. See <i>QAD Business Intelligence Portal User Guide</i> for details on these columns.
Portal	QBI-5053	New functionality has been added to the BI Portal to add/update/disable users based on information in an Active Directory server. This functionality can be executed via a script or from a new Administration screen. The users to be modified are specified by Active Directory search filters.  Refer to <i>QAD Business Intelligence Installation Guide</i> and <i>QAD Business Intelligence Portal User Guide</i> for detailed installation and usage information.
Portal Standard Objects – Financials SE	QBI-4254	Removed SE CFO Dashboard from Financial module's portal standard objects. The SE CFO Dashboard was redundant; there is a CFO Dashboard that is applicable to either SE or EE Financials. In addition, the SE CFO Dashboard lacked a parameter bar but included a visual item, the Income Statement chart, that required a parameter for the Entity, resulting in a confusing display of all entities in a single chart.

## QAD Business Process Management 2.1

**Version:** 2.1

**Date:** March 2015

**QAD Enterprise Applications Compatibility:** QAD Enterprise Applications (EA) Standard Edition and Enterprise Edition, 2011 and later

**Supported Progress Releases:** OpenEdge 11.3.2 (with hotfix 011 or later) and OpenEdge 11.4 (with hotfix 010 or later)

**QAD .NET UI Versions:** 2.9.3 and later

**QAD QXtend Versions:** 1.8 and later

**Languages:** English, Castilian Spanish, Latin Spanish, Dutch, French, German, Italian, Japanese, Korean, Czech, Polish, Brazilian Portuguese, Simplified Chinese, Traditional Chinese

**Related Documentation:** *QAD BPM User Guide*, *QAD BPM Administration Guide*, *QAD BPM Installation Guide*, and *QAD BPM Migration Guide*.

### New and Changed Features

#### Support for Multiple OpenEdge Versions

- The QAD BPM installer has been enhanced to support multiple OpenEdge versions. Now QAD BPM also supports OpenEdge 11.4, in addition to OpenEdge 11.3.2.
- Because the OEBPS database in OpenEdge 11.4 supports multiple languages, the Convert OEBPS Database to UTF-8 routine in the QAD BPM installer now runs only for OpenEdge 11.3.2, not for OpenEdge 11.4.
- The Progress Corticon Server has been upgraded to 5.4.1.

#### EOB Sample Processes

The following Easy On Boarding (EOB) processes are now included in QAD BPM as sample processes:

- **Inspection**  
This process involves physical inspection and recording of quality order results, and depending on the Accepted/Rejected data, moving the items to the stocking location or letting them go through a return process.
- **Receiving**  
This process involves receiving an item into inventory with the necessary inspection, approval, or return, after a single item transfer has completed.
- **Supplier Performance**  
This process involves the various activities in evaluating the performance of a supplier and rating the supplier as per rating standards.
- **Supplier Return**  
This process involves the various activities in returning an item to the supplier, comprising ASN return, non-ASN return, and warranty return.

These EOB processes operate on QAD Enterprise Edition only, and can be installed and deployed using standard QAD tools or processes.

## Fixes

Fix Description	Internal ID	Issue Affected Versions
The Dataslot page in My/All Process Browse is now fully translated for non-English users.	BPM-1207	1.3+
Review tabs for comment history in an approval subprocess are now translated for users who are not using the English language.	BPM-1209	1.1+
The BPM packaging and deployment bundle now works properly on Windows server.	BPM-1215	2.0
Previously, if a process selector was created from the base process selector template, My Process Browse could not display process instances created from the process selector. Now, this problem is fixed.	BPM-1256	2.0
Previously, My/All Process Browse reported an error when you selected Include Subprocess in the searching criteria and clicked Search. Now, this problem is fixed.	BPM-1268	1.2+

## Limitations

- As Java 1.7 VM packages of InstallAnywhere are not available, the VM installers for HP/UX and AIX have been removed.
- The EOB sample processes introduced to BPM 2.1 use Java data types instead of Progress data types. As Progress introduced Progress data types in OpenEdge BPM but still supports Java data types, you can use Java data types when customizing those EOB sample processes. But be aware that when you develop new processes, you are advised to use Progress data types.

## QAD Configurator 5.7

**QAD Configurator Version:** 5.7

**Release Date:** March 2015

**QAD Product Suite Compatibility:** eB2.1 SP4, QAD 2007, QAD 2007.1, QAD 2008 Standard and later, QAD 2008.1 Enterprise and later

### Documentation Updates

The following documents have been updated for this release:

*QAD Configurator User Guide* (new item number 70-3189-5.7); *QAD Configurator Installation Guide* (new item number 78-0914-5.7)

### Customer Value in This Release

Enhancements for this release provide you with customer value in the following ways:

- Decreased costs  
QAD Configurator 5.7 removes double processing for remotely fulfilled orders.
- Increased efficiency  
Only buildable orders are created in fulfillment domains.
- Increased profitability  
Cost from the fulfillment site is visible in the order business unit, so that margins clearly drive correct pricing.
- Raised customer satisfaction  
Orders are processed quickly and correctly the first time. Delivery performance is also improved.

### New and Changed Features

- Enhancement for Integration with EMT
- Model Management Enhancements
- Master Group Copy Enhancement
- Configurator Questionnaire UI Enhancements
- SO/SQ Number Enabled as System Variable
- Cost Roll-Up Routine Enhancement
- Performance Enhancement

#### Enhancement for Integration with EMT

Previously, when you placed EMT orders for configurable items, there was a limitation that both the PBU and the SBU were required to be in the same domain.

In Configurator 5.7, integration with EMT has been enhanced. You can now place EMT orders, even when the PBU and SBU are in different domains in the same database or in different databases.

To enable variant item numbers to be unique across domains, the following element options are newly added in Variant Item Number Rule Maintenance:

- Global Alphanumeric Sequence
- Global Numeric Sequence

## Model Management Enhancements

### Model Publish

In addition to sales configuration details, you can now use Model Publish to publish product configuration details and routing configuration details across domains. New columns *Product Configuration*, *Sales Configuration*, and *Remarks* were added to the setting frame.

During the model publishing process, associated Rule Table Accelerator data is now also published into valid target domains.

In Configurable Item Maintenance, options were added for the system to determine when the target domains can pass the data validation during model publishing.

### Model Import/Export

When you use Model Import/Export to export models, model publishing settings for the selected master groups are now included in the generated data package file.

When you import models, if you select the new field *Publish Models*, the system automatically publishes models from the specified source domains to valid target domains. In this way, you can avoid manually running Model Publish after you import the data package.

## Master Group Copy Enhancement

When you use Master Group Copy to copy a master group, the system now also copies the model publishing settings associated with the master group.

## Configurator Questionnaire UI Enhancements

A *View Available Inventory* blue icon has been added to the UI of the Configurator Questionnaire. You can click this icon to open a browse to view and search available inventory records for the variant item. This icon is only displayed on the variant items that have stock on hand or that have stock on order.

In Configurator Control, the field *Show Warning Icons when Questionnaire Opens* is newly added. Using this field, you can specify whether to display the yellow warning icons on functional group tabs in Configuration Questionnaire in the following situations:

- When the questionnaire respondent opens the configuration questionnaire
- When the questionnaire respondent saves the configuration without answering all questions

## SO/SQ Number Enabled as System Variable

*sysSOQNumber* is now exposed as a system variable. You can use it in product configuration rules. When used in product configuration rules, the variable contains the sales order number or the sales quote number.

## Cost Roll-Up Routine Enhancement

The cost roll-up functionality was previously automated in the system. Codes have been adjusted to expose the cost roll-up routine `pccsru.i`. You can now manually call the cost roll-up routine from within `pccop.i` when needed.

To call cost roll-up from a function, write the following procedure in `pccop.i`:

```
define variable vcResult as character no-undo.
define variable vlResult as logical no-undo.
function callCostRollUp returns logical
  (input pcConfigID as character, /* Configuration ID */
  input pcGroup as character, /* Group */
  input pcGPart as character, /* Configurable Item Number */
  input pcVPart as character, /* Variant Item Number */
  input pcCostSet as character): /* Cost Set */
  run proc-pccsru (input pcConfigID,
    input pcGroup,
    input pcGPart,
    input pcVPart,
    input pcCostSet,
    input yes,
    input yes,
    input yes,
    output vlResult,
    output vcResult).
  return vlResult.
end function.
procedure proc-pccsru :
  {pccsru.i}
end procedure.
```

## Performance Enhancement

The performance of the configuration rebuilding process has been improved.

## Fixes

Issue Number	Fixes
CFG-1698	Previously, in Item Rule Maintenance and in Variant Prod Strut Rule Maintenance, when you pressed the Down arrow key on the keyboard, the labels Selection Rule, Syntax OK, and Assignment Rule were displayed incorrectly. Now, the problem is fixed.
CFG-1716	Now, if you try to delete the only master group in the system, an error message is displayed.
CFG-1734	Previously, in Configuration Questionnaire, when you clicked Cancel to exit your configuration, and then started a new configuration, you could not select the <i>Show question type</i> field. Now, the problem is fixed.
CFG-1786	In Model Publish, problems with warning messages and time zones are fixed. <ul style="list-style-type: none"> <li>• Previously, if you did not select a destination domain, the Validate and Publish buttons were displayed incorrectly. Now, the system notifies you with a message that you must select at least one target domain.</li> <li>• Previously, when the target domain did not pass validation, a publish completion message was erroneously displayed. Now, the system notifies you that the publishing cannot continue, because the selected target domain has validation errors.</li> <li>• Now, when you choose not to analyze the model in a source domain, the system displays a message that the publishing cannot continue, because the model in the source domain was not analyzed.</li> <li>• Now, when you choose to analyze the model in the source domain, but the model analysis is unsuccessful, the system displays a message indicating that the publishing cannot continue.</li> <li>• Previously, the time zone of Date Published and Time was either UTC+8 or UTC+5. Now, the system converts Date Published and Time to the timezone of the current domain.</li> </ul>
CFG-1788	Previously, in Model Import/Export, when you clicked the Export button, the pop-up window displayed as Save As. Now, the problem is fixed. If you forget to add the file extension <code>.pkg</code> to the exported file in File Name, the system now automatically adds the extension.

Issue Number	Fixes
CFG-1789	A problem with cursor return in Functional Group Maintenance is now fixed. Previously, after you opened and saved any existing functional group, the cursor did not return to the Functional Group field.
CFG-1799	A problem with rule table editing in Item Rule Table Maintenance is now fixed. Previously, after copying a general rule table to the item rule table, you could not edit the rule table; a workaround was to save and reload the rule table for editing.
CFG-1801	Now, a safe routine has been developed to convert the existing database from a Type I storage area to a Type II storage area.
CFG-1805	In Model Export, when the package export path denies write access, the system now displays an error message. Previously, in this situation, Model Export failed without errors, but the .Net UI application log showed errors.
CFG-1811	A problem with the message in Model Import/Export has been fixed. Previously, the message <code>Dump/Load starting</code> was displayed incorrectly in the following scenarios: <ul style="list-style-type: none"> <li>• You exported a package to replace an existing package, and you chose not to continue the process.</li> <li>• You wanted to export a package to a folder but you had no write permission, and you clicked OK in response to the message <code>Unable to write data to file</code>.</li> </ul>
CFG-1813	A problem with deleting configurable items is now fixed. Previously, the system incorrectly stopped you from deleting a configurable item, even when the only master group that the item belonged to had been deleted.
CFG-1814	Previously, after you worked in the client session for a while, you were not able to open certain menus such as General Rules Maintenance or General Attribute Rules Maintenance. The previous workaround for the problem was to close all menus and to restart a session. Now, the problem is fixed and the menus open properly.
CFG-104	Previously, during the variant item creation, Configurator copied Item Commodity Code ( <code>comd_det</code> ), but did not copy Intrastat Commodity Code ( <code>csid_det</code> ) from the generic item to the variant item. Now, both codes are copied in the process.
CFG-112	Now, a problem concerning page initiation and groups switching is fixed. Previously, it was time-consuming to start Variant Item Data Rule Maintenance, or to switch between functional groups in the master group browse.
CFG-113	Previously, during variant creation, when you clicked the Cancel button, but then answered Yes to save the configuration, the system did not run external entity rules. Now, the problem is fixed; the system runs external entity rules properly.
CFG-117	Previously, when you ran Configuration Questionnaire and switched between entities, the option sequences were inconsistent. Now, the problem is fixed.
CFG-118	A problem with script errors is now fixed. Previously, when you ran Configuration Questionnaire and switched between entities, the system displayed a Java script error: <code>Unable to get value of the property '_global'. Object is null or undefined.</code>
CFG-120	Previously, in Item Rule Table Maintenance, when you used the Copy from Rule Table button, the new rule table was not displayed. A previous workaround was to press Save and Enter on Configurable Item. Now, the problem with Copy from Rule Table is fixed.
CFG-122	A problem with question display in Configuration Questionnaire is fixed. Previously, when you clicked Save Configuration without answering all the questions, but then clicked No or Cancel to the message <code>Do you confirm</code> , the dependencies among questions were lost.
CFG-123	Previously, system variables <code>sysDomainId</code> and <code>sysGroupId</code> had no value when used in variant item data rules. Now, the problem is fixed.
CFG-126	Previously, when you installed a patch (CFG-1757) to fix a duplicate configuration problem, the variant creation process did not stop. Now, the patch is updated and the variant creation process works properly.
CFG-128	Previously, Model Publish copied variant data incorrectly to target domains. Now, the problem is fixed.
CFG-129	Previously, you could not use SO/SQ Numbers as system variables in product configuration rules. Now, the issue is fixed.
CFG-131	Previously, in Configuration Questionnaire, when a question/feature only had one valid option, the system set the answer automatically, but did not run subsequent rules. Now, the problem is fixed.

<b>Issue Number</b>	<b>Fixes</b>
CFGS-132	Previously, .NET UI had a problem in using the correct eCommerce domain when you switched your eCommerce domain. Now, the problem is fixed.
CFGS-133	Previously, Intrastat Commodity Code ( <code>csid_det</code> ) data was only created when Item Commodity Code ( <code>comd_det</code> ) data existed. Now, these two codes exist independently of each other.

## QAD Customer Management Reports 1.7

**Customer Management Reports and Browsers Bundle Version:** 1.7

**Release Date:** March 2015

**QAD Enterprise Applications Compatibility:** QAD Enterprise Edition 2011 and later

**Related Documentation:** The *Reports and Browsers Bundles Installation Guide* is provided on the product delivery media. It is also available in the QAD Document Library, <http://www.qad.com/documentlibrary>.

### New and Changed Features

#### New Role-based Centers

Now there are three new centers specifically for the roles of VP Sales, Sales Manager, and Customer Service Manager.

- VP Sales Center, which includes browse collections such as Items and Salespersons
- Sales Manager Center, which includes browse collections such as Customers and Salespersons
- Customer Service Manager Center, which includes browse collections such as Items and Customers

To support the browse collections in the new centers, 128 fields are added to 18 browses. For example,

- ABC Class field added to the Item Browse
- Freight Terms field added to the Customer Browse
- Invoice Number field added to the Sales Order Detail Browse

#### CDR Support

Now Currency-Dependent Rounding (CDR) is available for QAD Reporting Framework (QRF) reports. CDR rounds monetary amounts in a manner consistent with a given currency. It affects both the value and presentation of monetary transaction amounts. In some countries, it is a legal requirement.

**Important** If you have this requirement, contact QAD Support.

## QAD Customer Self Service 5.4.1

**QAD CSS Version:** 5.4.1

**Release Date:** March 2015

**QAD Product Suite Compatibility:** eB2.1 SP2 through SP4, QAD 2007, QAD 2007.1, QAD 2008 Standard Edition and later, QAD 2008 Enterprise Edition and later

### Documentation Updates

The following documentation has been updated for this release:

*QAD CSS Administration Guide* (new item number 70-3188-5.4.1); *QAD CSS Implementation Guide* (new item number 70-3187-5.4.1); *QAD CSS Installation Guide* (new item number 78-0887-5.4.1)

### Fixes

Issue Number	Fixes
CSS-545	Previously, the value for Quantity Requested incorrectly defaulted from the fourth field of Other Fields 1-5 in Detail Customer Item Edit. Now, the problem is fixed. The default value for Quantity Requested is 0, which is the same as the value for Qty in Order Entry.
CSS-555	Previously, in the Error Action page of Error Message Maintenance, the system incorrectly made Error Number editable. Now, the problem is fixed; the Error Number field is read only.
CSS-597	A problem with kit pricing is now fixed. Previously, when the child item and the parent had two different units of measurement (UM), the system used the parent item's UM for pricing calculation and the result was calculated incorrectly.
CSS-601	Previously, in Credit Card Transaction Report, the information for the following fields was missing: <ul style="list-style-type: none"> <li>• Last four digits of Credit Card Number</li> <li>• Billing Address</li> <li>• Credit Card Type</li> <li>• Transaction ID</li> <li>• Authorization Date</li> <li>• Authorization Amount</li> </ul> Now, the problem is fixed, and the Credit Card Transaction Report data is displayed properly.
CSS-605	On the Customer Load Page, unneeded characters have been deleted to improve the UI.
CSS-610	Previously, CSS only identified Popup as an option in System Registry <code>itemDetailStyle</code> . Now, both forms—popup and Popup—are accepted by the system.
CSS-612	Previously, in Detail User Detail Maintenance, you could not save data. Now, the problem is fixed and the UI has been enhanced.
CSS-615	Previously, in User Master Maintenance, there was an issue with customer creation. When the <code>wpro_user_master</code> table had an empty record, you could not create a customer. Now, the problem is fixed.
CSS-620	Previously, in Message Maintenance, when you set a proper date, the system sometimes displayed an error message. Now, the problem is fixed.
CSS-626	Previously, when a user had one associated customer, but then changed to have all customers associated, the customer selection page was not displayed during user login. Now, the problem is fixed.
CSS-630	Previously, CSS had a compatibility problem with IE 11.0. Now, the problem is fixed.
CSS-60	Previously, when you added discount data in Sales Order Maintenance in QAD Enterprise Applications and ran CSS Invoice History Report, you could not see the discount amount. Now, the problem is fixed, and you can trace the discount information in CSS properly.

<b>Issue Number</b>	<b>Fixes</b>
CSSS-64	<p>Previously, CSS had the following issues:</p> <ul style="list-style-type: none"><li>• A Windows incompatibility problem occurred due to escape symbols.</li><li>• The calendar date was not returned in user date format.</li><li>• When you clicked Order Template, you received a Java Script error.</li><li>• The system displayed a Java Script error indicating that the range was undefined in IE8.</li><li>• When you created a user, the default data source was empty.</li><li>• The empty shopping cart message was not translated.</li></ul> <p>Now, the problems are fixed.</p>
CSSS-66	<p>Previously, the system did not validate e-mail addresses for Detail User Maintenance and Personal Admin. Now, the problem is fixed.</p>
CSSS-67	<p>Previously, when you set <i>ShowPartialShipper</i> to No in CSS, the Partial OK field value in the sales order did not match the value set in Customer Data Maintenance in QAD Enterprise Applications. Now, the problem is fixed. When <i>ShowPartialShipper</i> is No, you cannot set the Partial Shipment field, and the Partial OK field value in the sales order defaults to the customer data in QAD Enterprise Applications.</p>

## QAD Enterprise Asset Management 2015

**Enterprise Asset Management Version:** 2015 (12.9)

**Date:** March 2015

**QAD Enterprise Applications Versions:** Enterprise Edition 2009, 2009.1, 2010, 2010.1, 2011, 2011.1, 2012, 2012.1, 2013, 2013.1, 2014, and 2015; Standard Edition 2008, 2009, 2010, 2011, 2012, 2013, and 2014.

**Languages Supported:** English, Latin American Spanish, Castilian Spanish, Czech, Polish, French, German, Brazilian Portuguese, Simplified Chinese, Korean, Bulgarian, Hungarian.

### Upgrade Instructions

To upgrade to EAM 2015, see the upgrade instructions supplied with the release media.

For all other installation information, see the *QAD Enterprise Asset Management Installation Guide*.

### New Feature Summary

This section describes the new features that are available in EAM 2015.

#### Shared AppShell with QAD Enterprise Edition

EAM 2015 is now available to run in the same instance of the AppShell and in the same workspaces as EE. It is visible in the EE menu when properly licensed.

- **Login and Password Changes.** EAM 2015's login process has been altered to comply with Enterprise Edition 2015 rules. When running in the same AppShell with Enterprise Edition 2015, EAM uses the EE password policies. Additionally, if LDAP integration is enabled in EE, EAM relies on EE to validate login ID and password. EAM retains the rest of its security mechanisms, including EAM Role and User/Role functionality.

ERP login ID and password maintenance have been moved from the system registry to a new action on the System Control browse. Users with permission to access this action can enter the ID that EAM uses to access EE's APIs. The password for this ID also can be entered and changed. It is protected from view so that it remains secure and, when changed, must be entered twice to ensure that the user entered the value accurately.

When a password is changed in a merged 2015 AppShell, EAM does not check to see if the new password matches the old or previous passwords. When a password is reset in EE by an administrator and the next login forces a password change, EAM does not check to see if the new password matches the old or previous passwords.

EAM's Change Password User browse action is disabled in a merged 2105 environment.

- **Prior Version E-mail Hyperlinks Inactive.** As a result of EAM's move into the core AppShell, some of EAM's menu IDs changed. This change caused the hyperlinks in EAM e-mails to break. When upgrading to EAM 2015, the links in all e-mails prior to the upgrade no longer work.
- **User Maintenance.** When EAM is integrated with EE in an environment that has 2015 EE or higher, the addition or deletion of system users within EAM is no longer allowed. These actions must be completed in EE and downloaded into EAM.

## Work Order Document and Printing Enhancements

Work Order Print now prints safety instructions before any other instructions lists. Previously, the instructions lists were printed in ascending order of the instruction list number.

When selecting Global Print Document for work orders, you can now print the documents or links attached to all selected work orders.

An alternate work order document format is available to print and manually mark up as you address the tasks for the work order. The document displays a selection of available codes that can be manually selected: Class, Repair, As Left, and As Found. Shift and Failure Code can be entered on the printout. You also can indicate yes or no for Leave WO Open and Waiting on Parts. For instruction lists printed with the WO, you can specify with yes or no whether each step has been completed.

## Buyer Commodity Purchasing

Use the Buyer Commodity Purchasing option to require a buyer to be assigned to a commodity code. The buyer is assigned to the inventory part based on the commodity code entered. The buyer then defaults onto requisition lines based on the stock part entered.

## Route Stores Requisition Lists for Approval

Stores Requisition Approval Groups have been added, allowing stores requisition lists to be routed for approval to a group rather than a single user. The first approver in the group who selects Approve authorizes the stores requisition list.

## Over Budget Requisition Routing Authorization

The Use Over Budget option allows you to control requisition approvals by lowering spend authorization when the budget has been reached for either the month or year. A requisition budget can be entered manually when integrated with QAD Enterprise Edition. Standard Edition users can automatically download the budget and refresh the budget as needed. You can view the budget analysis for requisitions to assess expense vs. budget for either the month or the year.

Additionally, reporting is provided for Budget Amounts and Budget Activity by Account or Cost Center.

## Purchase Order Printing Enhancements

When selecting Print Document or Global Print Document for purchase orders, you now can print the documents and links attached to the purchase orders.

## Email PO to Supplier

You can now e-mail purchase orders to the supplier from the Purchase Order browse.

The error handling of the Email PO Action in the Purchase Order browse is improved. Now instead of a generic message, you see a detailed message that points out the problem EAM had sending out the e-mail, if there are any issues.

The Email PO functionality required a change to EAM e-mail. EAM now sends e-mails from the EAM client (Email PO) as well as from the EAM server (all other e-mails). When EAM sent e-mails only from the server, you could specify "localhost" as the SMTP Server value in the System Control\Maintenance screen. However, the client does not recognize "localhost," which means you now must specify the actual

DNS Name or the IP Address of the SMTP server in order for e-mail to work on the client side. This is needed only if you use the Email PO functionality, and the change does not affect other types of e-mails.

### **New Financial API**

QXtend is no longer used to post transactions between EAM and EE. EAM now uses the Journal Entry API (JE API) to:

- Post an inventory adjustment transaction in EE.
- Relocate and receive from relocate transactions in EE.
- Change a physical inventory status to closed.
- Modify cost transactions in EE.
- Post stores requisitions.
- Post purchase order receipt and purchase order return transactions.
- Post inventory issue and return to inventory transactions.
- Post work order receipt and work order return transactions.
- Transfer ownership transactions.
- Post labor transactions.
- Post labor GL transactions in EE.
- Post manual GL transactions in EE.
- Stop any transactions previously listed when an error is returned from EE.

### **Budget Analysis Reports**

Four new reports are available for budget analysis:

- Budget Activity by Cost Center
- Budget Activity by Account
- Budget by Cost Center
- Budget Amounts by Account

### **E-mail Address Required for All Users**

A unique e-mail address is now required for each user.

## **Upgrade Notes**

### **Preserving Custom Report Layouts**

This upgrade completely refreshes the report repository. If you have customized reports or prints:

- Reapply your changes after the upgrade. Inform your system administrators before performing this upgrade.
- or,
- A tool is available from QAD's EAM Support group that helps export report layouts before the upgrade begins and imports them again after the upgrade is complete.

The following report templates have been updated (most recent update):

- Work Order Document (12.8.0.2)
- Consignment Usage Transaction by Vendor report (12.8.0.2)
- Request for Quote and Quote Lines templates (12.8.0.1)
- WO Parts List template (12.8.0.1)
- WO Instruction List template (12.8.0.1)
- Vendor Returns (12.8.0.1)
- Purchase Order Lines template (12.8.0.1)
- Physical Inventory Count Sheet (12.8.0.1)

## Revisit Role Setup

New options have been added to the security roles. When the upgrade is complete, review your existing roles to verify that they are set properly.

## Role Changes

EAM 2015's menu system was updated significantly and many roles no longer have access to certain menu entries. Please review all roles and update accordingly.

## Customer-Reported Issues Resolved

The following customer-reported issues have been resolved in this release.

### Fixes and Enhancements - EAM 2015 (12.9)

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (1 of 13)

Component	QAD Issue	Summary
Analysis	EAMNET-8214	Consignment Transaction by Vendor Report The return flag does not apply to this report. Once a part is issued, it is no longer vendor owned.
	EAMNET-10952 EAMNETS-756	If you select the Date field for the Equipment Downtime Summary, it now returns data. The Eqp Date field is a user-defined field and only works if the value is used in the user-defined tab of the equipment record. If you select Eqp Date for the record, then you can also filter by this date.
	EAMNET-11194	The following improvements have been made to this report: <ul style="list-style-type: none"> <li>• All Inventory Count transactions are processed correctly.</li> <li>• LIFO/FIFO stacks are correctly regenerated for the date of the report.</li> <li>• The Part description no longer has a log of the transactions that were counted to get to the quantity and cost displayed in the report.</li> </ul>
	EAMNET-11487 EAMNETS -782	EAM's report designer displays a fake license warning label when users edit report templates. There are no licensing issues with the reporting tool. The label is a result of missing information in one of EAM's configuration files.  To remove the license message, a new version of QAD.Client.exe.config must be placed on the server in <tomcat>/webapps/qadhome_eam/client/container.  Once the configuration file has been updated on the server, users must remove and reinstall the EAM client. As an alternative, users can put QAD.Client.exe.config into their <EAM Install Folder>/container folder and avoid removing and reinstalling the EAM client.
	EAMNET-11729	Budget by Account report. Created a report that is grouped by site and sorted by cost center. The body of the report shows budget amount for the period, quarter, and year, and subtotals by cost center, account, and site.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (2 of 13)

Component	QAD Issue	Summary
	EAMNET-11730	Budget by Cost Center report. Created a report that is grouped by site and sorted by account with the budget amount for the period, quarter, and year, and subtotals by account, cost center, and site.
	EAMNET-11731	Budget Activity by Account report. Created a report that is grouped by site, year, and period, and sorted by cost center with totals for expensed amount, budget amount, and remaining budget amount, and percent details. You can also view subtotals by cost center, accounts, period, year, and site.
	EAMNET-11732	Budget Activity by Cost Center report. Created a report that is grouped by site, year, and period, and sorted by account, with totals for expensed amount, budget amount, and remaining budget amount, and percent details. You can also view subtotals by accounts, cost center, period, year, and site.
	EAMNET-11797	An alternate work order document format is available to print and manually mark up as you address the tasks for the work order. The document displays a selection of available codes that can be manually selected: Class, Repair, As Left, and As Found. Shift and Failure Code can be entered on the printout. You also can indicate yes or no for Leave WO Open and Waiting on Parts. For instruction lists printed with the WO, you can specify with yes or no whether each step has been completed.
	EAMNET-12660	As part of the EAM merge with the EE AppShell, a user with sufficient Report Maintenance permissions can create reports against EAM.
	EAMNET-13277	When attachments are associated with a PO, you can print the attachments when printing the PO.
	EAMNET-13579 EAMNETS-869	Report filters now overwrite existing filter criteria values when a user modifies the saved filter criteria and changes the value of any field. Previously, EAM appended the new value to the old value.
	EAMNET-14826	The Ordered Date field in the Open PO Not Received report now shows the correct date. Previously, the Ordered Date field showed the incorrect date (due date).
Browse	EAMNET-12067	The user-defined character fields in Inventory are now available to apply to the filter criteria.
	EAMNET-12661	As part of the EAM merge with the EE AppShell, a user with sufficient Browse Maintenance permissions can create browses against EAM.
	EAMNET-14522	Introduces a performance improvement for all browses and a second improvement specific to the Posted GL Transactions browse. Results vary by browse, and the biggest improvements are seen when browsing a table that has many records  It is possible for users to change browse filters and sort orders in such a way that browse performance degrades. This ticket does not address those scenarios.
	EAMNET-15072	An error corrected in which the system was not allowing a user to edit a filter when the filter was recorded with a case different from the login currently in use (for example, JDOE vs. JDoe).
Data Entry	EAMNET-14628 EAMNETS-919	If a mandatory field is left blank and a submenu is selected, the lookup values for all the fields are now available.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (3 of 13)

Component	QAD Issue	Summary
Finance	EAMNET-8657 EAMNETS-585	<p>When setting the Warning Limit in Finance Projects Cost tab, if Use Allocations? is not selected, then Warning Limit should always be enabled. Warning Limit should be validated to confirm that it is set to &lt; or = to Authorized Funding for the Project and Allocated to Jobs.</p> <p>If Use Allocations? is selected and Spend at this Level? is selected for the job, then Warning Limit should be enabled. There is no need to set a warning limit at a job if no spending can occur. Project level will always have a warning limit enabled. Warning Limit should be validated to confirm that it is set to &lt; or = to Unallocated Balance for the Project and/or the Job.</p> <p>Evaluating the Warning Limit: If Use Allocations? is not selected, when the Total Spent value at the project or job level is reached or exceeded, a notification e-mail should be sent. If Use Allocations? is selected, the warning limit should be compared to the total spent at this level for the job. The project-level Warning Limit value should be compared to the Total Spent value.</p>
	EAMNET-9543 EAMNETS-562	When closing periods in EAM, the system checks directly in the EE tables for the postings and does not rely on a check of the tables in EAM.
	EAMNET-10224 EAMNETS-710	The Actual Expense in the Projects Cost Analysis Material tab and Projects Cost Analysis Contract tab now displays the amount of receipt matched with the supplier invoice. The Actual Expense is equal to the Supplier Invoice on the Project Job Cost tab.
	EAMNET-10967 EAMNETS-770	When a work order is entered on an unposted GL transaction line, the Equipment No., Project No., and Job No. fields are populated for that particular work order. EAM verifies that the equip_no, proj_no, and job_no fields are related to the same work order. If those values are not the same, then the system displays an error message saying, "This (Equipment No/Project No/Job No) is not valid for Work Order No. XXX." Previously, these fields were not populated while entering Work Order No. and were not verified.
	EAMNET-11647 EAMNETS-794	Routing Substitution now functions correctly when a user who is part of a project approval group also stands as a substitute for another user in the same approval group.
	EAMNET-11722	QAD Standard Edition (SE) budgets can be downloaded into EAM to use with a site's Requisition Use Over Budget authorizations. A user with a sufficient security level can access Budget Download from System Administration ERP Interface Download. The selection of Budget or Global Budget Download actions loads selected budget periods and accounting combinations into the Requisition Budget based on the Budget Code specified in a domain on the PO/Reqs tab.
	EAMNET-11723	The Requisition Budget displays the Budget and Expense amounts for accounting calendar periods and the account, sub account and cost center combinations downloaded from the budget code specified in the site's domain from QAD SE.
	EAMNET-11724	<p>Use the Copy Budget Across Sites or Global Copy Budgets actions to copy requisition budgets to other sites within the same entity. You are prompted to confirm the update for a specified site if a budget exists in the new site. The budget only copies to the site if the accounting is valid.</p> <p>A future patch will provide an option to update the budget if the budget exists for the Copy Budget Across Sites action.</p>
	EAMNET-11727	EAM now has a Refresh action in Requisition Budgets to update expensed and budget amounts.
	EAMNET-13229 EAMNETS-848	The Req Appr Group lookup under Jobs now returns the records of Requisition Approval Groups from which to choose. Previously, the lookup did not return any records.
	EAMNET-13244 EAMNETS-867	Project Status now does not allow selecting more than one status as default and refreshes the browse as soon as another status is made the default.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (4 of 13)

Component	QAD Issue	Summary
	EAMNET-14024 EAMNETS-893	In the Project menu, all the project fields display updated and refreshed values when the project status is changed to Closed. Previously, the project was not refreshed when the user changed the project status to Closed.
	EAMNET-14341	In Posted GL Transactions, the receiver number now displays in the journal entries when a user performs a Return to Vendor. Previously, EAM displayed a blank receiver number.
	EAMNET-14534 EAMNETS-924	Expense Site data now displays in the Project's Detail tab.
	EAMNET-14632 EAMNETS-926	In EAM, if the following values are true: <ul style="list-style-type: none"> <li>• Tax History = On in the System Control menu</li> <li>• Accrue Tax = On in Tax Rates</li> <li>• Accrual GLs = Off in Tax Rates</li> </ul> then the tax shows on Purchase Order Print Menu in EE. Previously, the tax did not show on Purchase Order Print Menu in EE.
	EAMNET-14633 EAMNETS-927	If the effective date on non-posted transactions in Posted GL Transaction is changed, then both Effective Date and Period are updated for all lines of the transaction. Previously, the period was not updated.
	EAMNET-14864 EAMNETS-940	EAM handles date formats correctly, regardless of the system regional date format settings. Previously, it was displaying an error in the server log file when the system regional date format was different from the EAM date format.
	EAMNET-15081 EAMNETS-946	A Project Approval Group can now be deleted.
Form Designer	EAMNET-14645 EAMNETS-911	The cursor is now set to the first editable field in data entry. Previously, it was not.
General	EAMNET-11725	You can use a requisition budget to manage authorized requisition spending and to ensure that spending stays within budget. You begin by specifying whether you are using YTD or Current Period budget amounts by site to compare to the Calc% Budget amount.  Next, select the Calc% Budget amount for the site that will be compared to the requisition budget amount selected.  You can specify the following options where Budget=YTD or Current Period: <ul style="list-style-type: none"> <li>• Expensed: PO receipts = (Expensed/Budget) * 100</li> <li>• Committed: PO with a status of Ordered (O) = ((Expensed + Committed)/Budget) * 100</li> <li>• Auth Purchases: Authorized Requisitions/POs = ((Expensed + Committed + Auth Purch)/Budget) * 100</li> <li>• Planned Purchases: Requisitions/POs with a status of Planned (P) = ((Expensed + Committed + Auth Purch + Planned Purch)/Budget) * 100</li> </ul>
	EAMNET-13477 EAMNETS-870	In the cost analysis of a project/job, the labor burden and labor are now correctly displayed. Previously, both values were grouped in the category of labor.
	EAMNET-13862 EAMNETS-886	Stores Requisition Partial Issue now issues the correct quantity when a part is reserved for a stores requisition. Previously, the partial issue actually issued the full quantity.
	EAMNET-13970 EAMNETS-891	EAM now displays "high priority" in the subject line of an authorization request e-mail when a user selects the high priority option on the requisition authorization screen.
General, Inventory	EAMNET-14142	You can authorize a Stores Requisition List without using a Stores Requisition Approval Group by using the Site Authorization Options for Stores Req Auth? of either Projects Only (Simple), or All (Simple).

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (5 of 13)

Component	QAD Issue	Summary
	EAMNET-14143	The following approval methods are enabled for Stores Requisition Lists authorization when Stores Req Auth Options setting on Site is set to Projects Only by Group or All by Group: <ul style="list-style-type: none"> <li>• Account Number</li> <li>• Cost Center</li> <li>• User</li> </ul> Only one of the three methods can be selected.
General, Purchasing	EAMNET-13770	To use a requisition budget to ensure authorized requisition spending stays within budget, start by specifying whether YTD or Current Period budget amounts by site are used to compare to Calc% Budget amounts.
Integration	EAMNET-12893 EAMNETS-862	When EAM is connected to the Standard Edition ERP, it now displays the error message, “ERP period is closed for GL Transactions” if you try to post any transactions in a GL period that is closed in the ERP.
Inventory	EAMNET-7093	The Refresh icon now updates the On Hand, Available, Planned Order and On Order quantities on the Inventory Browse.
	EAMNET-12822 EAMNETS-850	When creating a Stores Requisition List from a fabricated work order, the account information defaults from the Rebuild area for the selected part.
	EAMNET-13228 EAMNETS-855	If the Registry flag ERP/Enforce Purchasing Field Sizes is set to Yes, PO Text lines wrap at the 76th character.  If the Registry flag ERP/Enforce Purchasing Field Sizes is set to No, PO Text lines do not wrap at the 76th character.
	EAMNET-13580 EAMNETS-871	The correct part location records now display for the location field in the Inventory Transaction History browse.
	EAMNET-13583 EAMNETS-875	Inventory FIFO/LIFO is now updated correctly at the time of an inventory return.
	EAMNET-13748 EAMNETS-884	User-defined fields on the second-level browse of stock replenishment now correspond to the fields from the vendor.
	EAMNET-13863 EAMNETS-885	The Global Unreserve action is now working in Stores Requisition Line.
	EAMNET-13867 EAMNETS-880	The Requisition Header Contractor field is enabled when Auto Issue is not selected and disabled when Auto Issue is selected. Previously, a user could select Contractor even when Auto Issue=No, which caused a validation error message to display and sent the system into a loop.
	EAMNET-14026	Sale Order CC/Acct/Sub Acct added back on Site. Visibility depends on your Registry setting. Previously, these were removed.
	EAMNET-14144	When the Authorize action is selected for a stores requisition for the first time, all users in the stores requisition approval group receive an e-mail notification that there is a stores requisition to approve. When one of the users authorizes the stores req, the routing shows “approved” by that user and “skipped” for the other users in the group.
	EAMNET-14310	Stores requisition list approval groups can be defined to authorize a stores requisition list by entering the user ID for an approval group site.
	EAMNET-14340 EAMNETS-903	Inventory now displays the following messages when Issue UOM or Order UOM is changed and On Hand Quantity is available for the inventory part. <ul style="list-style-type: none"> <li>• On Hand Quantity for this part is XX. Changing Issue UOM is not allowed.</li> <li>• On Hand Quantity for this part is XX. Changing Order UOM is not allowed.</li> </ul> Previously, Issue UOM or Order UOM could be changed.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (6 of 13)

Component	QAD Issue	Summary
	EAMNET-14740	<p>When the Buyer/Commodity Purchasing? option is enabled for a domain, the commodity code for an inventory part must be specified. The system automatically marks commodity as mandatory, which is visible in Mandatory Fields Inventory Save.</p> <p>Commodity code can be entered for the part in the Inventory General tab. Buyer defaults based on the commodity entered and cannot be edited directly.</p> <p>When using the Global Edit action on the Inventory browse, the commodity code can be changed to the buyer/commodity combination found in Inventory Codes Buyer/Commodity Codes. You cannot use this action to change the buyer.</p>
	EAMNET-14865 EAMNETS-942	The Req Project Limit field name was changed to Expense Site for the Rebuild Locations screen.
	EAMNET-14921 EAMNETS-932	When inventory is issued between sites, it is saved without an error. Previously, EAM gave an error, such as "Invalid Cost Center."
	EAMNET-15082 EAMNETS-953	The system now validates the Inventory Save action correctly when working in a different domain.
Inventory, Purchasing	EAMNET-14739	<p>When the Buyer/Commodity Purchasing? option is enabled for a domain, commodity code is required on the requisition line. The commodity code defaults for the req line based on the inventory part entered. The buyer defaults for the line based on that commodity code.</p> <p>If the part and its commodity code are changed on the req line, then the buyer is updated to match the assigned buyer for the code.</p> <p>If you enter a non-stock part for the req line, you must enter a commodity code. The buyer then defaults from that code. The commodity code is updatable for non-stock parts entered on req lines.</p> <p>A buyer can be entered as before on the req header and does not have to be related to a buyer/commodity definition. However, the buyer on the req header defaults into the req lines created.</p> <p>Requisitions created from a Stock Replenishment Create Request action (including sole source) default the parts commodity/buyer on each line created for a single requisition. If there is a missing commodity/buyer when the Create Request action is performed, the requisition/line is not created and an error displays in the message log.</p>
	EAMNET-14741	<p>When the Buyer/Commodity Purchasing? option is enabled for a domain and the buyer is changed for a commodity code in the buyer/commodity code definition, all the inventory parts at all the sites are automatically updated by the system to reflect the change made to the buyer.</p> <p>Similarly, all planned requisition lines using that commodity code are automatically updated by the system to reflect the change made to the buyer.</p>
Inventory, System Administration	EAMNET-14145	Stores requisition approval groups can be specified for a user. When the Auth Stores Req? option is set to All by Group, the user is included to authorize using the stores requisition approval group specified.
Maintenance	EAMNET-11196 EAMNETS-759	Browse groups are no longer case sensitive.
	EAMNET-12053 EAMNETS-809	<ul style="list-style-type: none"> <li>The user specified as OrigNotify receives an e-mail notification when an SR is created.</li> <li>The user who creates an SR (Originator) receives an e-mail notification for any status change on that SR.</li> <li>The user specified in the Notify field of an SR receives an e-mail notification for any status change on that SR.</li> <li>The Originator should receive an e-mail when the SR status is changed either through an action in Service Request or by a work order.</li> </ul>

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (7 of 13)

Component	QAD Issue	Summary
	EAMNET-12293 EAMNETS-819	The Work Order Document report is now the correct length to fit on one page. It no longer prints an extra page.
	EAMNET-12336	When a work order status changes to cancel, EAM no longer returns the error "Stores Req needs to be authorized."
	EAMNET-12556 EAMNETS-790	When a user is given full access to Maintenance Equipment Equipment Readings Update Tolerances through User/Roles, only the Readings subdetail menu is accessible in Equipment with Actions Update Tolerances. Previously, a few other equipment subdetail menus, like Equipment Alternate, Procedure Lists, Production Hours, and Equipment Products were also full access.
	EAMNET-13231 EAMNETS-828	Under certain conditions, the Master Parts Lookup in PM Maintenance would not work and caused an error. This now works consistently.
	EAMNET-13276	When selecting Global Print Document for work orders, you can now print the documents or links attached to all selected work orders. This feature also applies to Instruction Lists and Stores Requisition Lists.
	EAMNET-13747 EAMNETS-882	The Catalog and Catalog Description fields on the Work Order Print document have been corrected so these fields print when Catalog is selected in Equipment. Previously, EAM was displaying a blank value for both fields.
	EAMNET-13968 EAMNETS-889	Out-of-tolerance CM WOs are now created even if the WO has mandatory fields.
	EAMNET-14023 EAMNETS-896	The system no longer allows over-receiving of internal parts.
	EAMNET-14118 EAMNETS-897	Work Order Print now prints safety instructions before any other instructions lists. Previously, the Instructions lists were printed in ascending order of the instruction list number.
	EAMNET-14120 EAMNETS-901	The "Excel Export" button on the child browse of Equipment Readings is now enabled.
	EAMNET-14342 EAMNET-905	In the Equipment menu, EAM updates equipment records correctly when a user does a global edit on equipment records. Previously, EAM was not updating anything on the records and no error or warning message was displayed.
	EAMNET-14521 EAMNETS-921	If the EAM setting for a particular site is "Labor GL: Unchecked" then the system does not verify that the GL Period is locked in the ERP. Previously, the system was validating the GL Period in the ERP and giving the error, "ERP Period is closed for GL Transactions."
	EAMNET-14625 EAMNETS-916	WO Issue now allows consigned parts to be issued.
	EAMNET-14823 EAMNETS-938	Requisition save does not display the errors "Invalid Dept" or "Invalid Cost Center" when it is created using a non-default site. Previously, this action displayed errors.
	EAMNET-15078 EAMNETS-934	Date Due is now set correctly.
Menus	EAMNET-14545	The .NET client checks for the current ERP version. If the ERP version is 2015EE or later, .NET client appends "EAM" to all menu items. This does not include the folders, only the children menu items. If the ERP version is SE or EE earlier than 2015, the .NET client does not add "EAM" to the menu options.
Other	EAMNET-12823 EAMNETS-851	The statuses of service requests are now updated to match the status changes made in the WOs when using the Global Change Status action.
	EAMNET-14630 EAMNETS-923	A locked filter cannot be edited by other users. It can be edited only by the user who created the filter. Previously, other users were able to edit such filters.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (8 of 13)

Component	QAD Issue	Summary
	EAMNET-14888 EAMNETS-935	EAM now switches to the database associated with the AppServer selected at login. Previously, if you logged out of the system, switched the database selection and logged back in, the system did not switch the database.
Purchasing	EAMNET-4890 EAMNETS-309	Cost center group validation is now working with multiple sites.
	EAMNET-9106 EAMNETS-272	EAM RFQ - the report has been redesigned to print standard clauses before quote lines.
	EAMNET-9867 EAMNETS-685	The validation for PO text on a purchase order has been changed. Also, new functionality has been added to split the text with new carriage return characters so the text can be presented correctly to the ERP system.
	EAMNET-10970 EAMNETS-662	In EAM 12.8 and higher: <ul style="list-style-type: none"> <li>• Added a new logical database field to the site record: site.print_ord_po. Default value is No.</li> <li>• Added a check box to the site DE: Only Print/Email Ordered POs. Default value is clear.</li> <li>• If Print/Email Ordered POs is selected, EAM checks the status of the PO. If the status is "O" for Ordered, the PO prints and e-mails.</li> <li>• If Print/Email Ordered POs is selected and the status of the PO is not "O," EAM gives an error message and stops the process.</li> <li>• If Print/Email Ordered POs is selected and the status of the PO is "O" but some lines do not have an ordered status, those lines do not print.</li> <li>• When the Print/Email Ordered POs check box is clear, you can print and e-mail any PO.</li> </ul>
	EAMNET-11726	When User Over Budget Authorization is selected for a site and the expensed amount exceeds the Calc% Budget amount, a routing is created for the requisition if the approval group has enough Req Over Budget Limit to approve. If the approval group does not have enough Req Over Budget Limit, you see the following error: "There is no one in the approval group with high enough dollar value to authorize this requisition."
	EAMNET-12614	The system correctly places a PO on order when the part used is the sole source and the sole source option is set with "Order PO."
	EAMNET-12820 EAMNETS-845	If the BO Approval Group is blank for the buyer's site in Employee Maintenance and you attempt to route the BO for approval, EAM displays the message, "BO Approval Group is blank for the Buyer's site in Employee Maintenance. Approval cannot be processed."  If the PO Approval Group is blank for the buyer's site in Employee Maintenance and you attempt to route the PO for approval, EAM displays the message, "PO Approval Group is blank for the Buyer's site in Employee Maintenance. Approval cannot be processed."  Previously, the message read "Buyers employee setting 'Buyer Site' is blank. Approval cannot be processed," for BOs and POs.
	EAMNET-12821 EAMNETS-844	The Comment/RMA field now displays the correct value in the Vendor Return report. Previously, the default date format was displaying in the Comment/RMA field.
	EAMNET-12892	Auto issue PO receipt for stocked part now creates balanced entries in Posted GL Transaction when there are more than two decimal places for cost; for example 0.0912. Previously, the entry was unbalanced.
	EAMNET-12902 EAMNETS-856	When running Global Issue in PMs, if an error occurs on one of the selected rows, the Global Issue continues for the remaining rows and creates the associated work orders.
	EAMNET-12904 EAMNETS-858	In the Vendor Parts browse, the lower browse is now editable if the middle browse grid has a record.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (9 of 13)

Component	QAD Issue	Summary
	EAMNET-13230 EAMNETS-843	When a work order is attached to a requisition and there is no stores requisition list, Return to Vendor no longer displays an error message. It creates a stores requisition on the creation of the requisition itself.  Previously no stores requisition was created and the error message “Invalid Part No.” was displayed.
	EAMNET-13237 EAMNETS-865	When auto issue is true on a stocked part attached to a stores requisition line, a requisition created from that stores requisition is now correctly defaulting the expense data. Previously it was not defaulting data from stores requisition.
	EAMNET-13278	When selecting Global Print Document for purchase orders, you can now print the documents and links attached to the purchase orders. When printed, these attachments are collated with the associated PO.
	EAMNET-13280	PO Original Ordered Date can be displayed on All PO Browse.
	EAMNET-13581 EAMNETS-872	When printing purchase orders, the “Req No” label and requisition number are printed correctly on all the pages when there are many PO lines. Previously, these fields only printed on the first page.
	EAMNET-13584 EAMNETS-876	UOM Conversion is now part-specific for requisition line UOM update.
	EAMNET-13771	When Use Over Budget is set for the site and a requisition budget is defined, each requisition displays a Budget Cost Analysis submenu for each requisition line. This analysis includes: <ul style="list-style-type: none"> <li>• Year, Period</li> <li>• Account, Sub Account, Cost Center</li> <li>• Total Cost in Base Currency</li> <li>• Budget/YTD Budget</li> <li>• %Budget/% YTD Budget</li> <li>• Expensed/YTD Expensed</li> <li>• Committed</li> <li>• Auth Purchases</li> <li>• Planned Purchases</li> </ul>
	EAMNET-13861 EAMNETS-887	EAM sets taxable status correctly in requisition line creation based on a part’s taxable status. Previously, EAM was setting the requisition as taxable even if the part was non-taxable.
	EAMNET-14018	Next Approver Name has been added to the browses for purchase orders and requisitions.
	EAMNET-14021 EAMNETS-894	EAM allows you to create a quote for a requisition if the existing quote has been deleted for a requisition. Previously, EAM displayed the error, “Quotes already exist for this requisition” when creating a quote.
	EAMNET-14025	You can now e-mail purchase orders to the supplier. The e-mail is sent to the vendor e-mail address defined for a purchase order. A duplicate e-mail is sent to the PO’s buyer, whose e-mail address displays as the From/Reply-To address.  EAM updates the Printed? and Emailed? columns on the purchase order browse by automatically selecting the check boxes in those columns.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (10 of 13)

Component	QAD Issue	Summary
	EAMNET-14028	<p>You can now e-mail multiple purchase orders to the supplier using the Global Email Purchase Orders action. The e-mail is sent to the vendor e-mail addresses defined for the purchase orders or you can enter the address on the PO. A duplicate e-mail is sent to the PO's buyer, whose e-mail address displays as the From/Reply-To address.</p> <p>If any POs do not meet the requirements of ordered status, vendor e-mail address, or buyer e-mail address, those POs are not sent, but all others proceed. EAM updates the Printed? and Emailed? columns on the purchase order browse by selecting the check boxes in those columns.</p> <p>EAM 12.8 PO Header's Cust Log 01 is being used to act as an Email Sent flag. You can select multiple POs to e-mail.</p>
	EAMNET-14149 EAMNETS-910	EAM follows the field setting of Incl Proj on Rec when creating ERP receipt record pvo_mstr in Standard Edition.
	EAMNET-14343 EAMNETS-906	When a partial quantity is returned to an auto-issue taxable PO, EAM now creates the correct tax amount for the GL transaction for PO return tax line. Previously, the return was created with the full tax amount on PO receipt.
	EAMNET-14344 EAMNETS-907	The Global PO Order action now places the purchase orders on order when the individual requisitions are under their spending limits. Previously the action was returning an error that the job exceeded its spending limit.
	EAMNET-14345 EAMNETS-909	Due Date is populated correctly on a requisition line when it is created from quotes. Previously, it was blank.
	EAMNET-14360	<p>You can now e-mail purchase orders to the supplier. The e-mail is sent to the vendor e-mail address defined for a purchase order. A duplicate e-mail is sent to the PO's buyer, whose e-mail address displays as the From/Reply-To address.</p> <p>EAM updates the Printed? and Emailed? columns on the purchase order browse by automatically selecting the check boxes in those columns.</p> <p>EAM 12.8 PO Header's Cust Log 01 is being used to act as an Email Sent flag.</p>
	EAMNET-14519 EAMNETS-914	You can now globally edit purchase orders.
	EAMNET-14535 EAMNETS-920	When creating a requisition from Inventory Create Requisition action, the Rotable Part check box is only selected if the part is indeed a rotatable part. Previously, the Rotable Part check box was always selected, even for non-rotatable parts.
	EAMNET-14643 EAMNETS-928	A requisition created from a stores requisition no longer validates the requisition lines mandatory field in the requisition header.
	EAMNET-14795 EAMNET-936	When Issue UOM and Order UOM are different for an inventory, then UOM changes from Issue UOM to Order UOM when creating a requisition from a stores requisition line. Previously, it was not changing.
	EAMNET-14879	EAM now posts the proper GL Amount and does not create Rounding Error transactions at the Posted GL Transactions screen. Previously, it created Rounding Error transactions at the Posted GL Transactions screen.
	EAMNET-14886 EAMNETS-944	The Qty to Receive line in a purchase order now displays the remaining, open balance quantity to receive. Previously, it displayed the last quantity received.
	EAMNET-14923 EAMNETS-941	EAM now updates all selected requisition lines that are updated through the Global Edit action. If the lines cannot be validated due to a failed validation, then an error message box displays which lines did not validate and why they failed.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (11 of 13)

Component	QAD Issue	Summary
	EAMNET-15083	<p>Error handling of the Email PO action has been improved in the purchase orders browse. You will now see a detailed message that points out any problems the system encountered when sending an e-mail.</p> <p>The Email PO functionality required a change to EAM e-mail. EAM now sends e-mails from the EAM client (Email PO) as well as from the EAM server (all other e-mails). When EAM sent e-mails only from the server, you could specify "localhost" as the SMTP Server in the System Control maintenance screen. However, the client does not recognize "localhost," which means you now must specify the actual DNS Name or the IP Address of the SMTP server in order for email to work on the client side. This is needed only if you use the Email PO functionality, and the change does not affect other types of e-mails.</p>
Purchasing/Finance	EAMNET-13282	The blanket order and projects browses now have a Next Approver column. The value is set by the next approver in the associated approval group when the blanket order or project is in routing status. If the blanket order or project is authorized or the authorization action Approve or Disapprove is performed, then the Next Approver column is blank.
	EAMNET-13434	All calls to getBE in the main-block except hStringTrans are removed from the listed BEs, and calls to that handle are replaced with calls to getBE ("_be name_").
Purchasing/System Administration	EAMNET-14353	<p>The ability to associate a specific buyer with a specific commodity code for purchasing can be set for a domain. When this is enabled, a buyer must be defined for each commodity code used in purchasing for the domain. First set up Inventory Commodity Codes, based on the registry segment format. Then use Inventory Buyer Commodity to define the relationship for valid buyers in the system.</p> <p>For EAM 12.8.2, the registry setting is used instead of the domain setting to enable Buyer Commodity functionality.</p>
Reporting/Filtering	EAMNET-13967 EAMNETS-873	Users are allowed to save modified, existing report filters without error.
	EAMNET-14627 EAMNETS-918	EAM now shows Role Users report correctly based on the filter criteria before a report is run. Previously, EAM was showing an incomplete report.
	EAMNET-14884 EAMNETS-943	The PO prefix is now displayed correctly when printing a receiver document. Previously, if the same purchase order number existed in different sites, the PO prefixes were not attached correctly in the receiver document.
System	EAMNET-13860	<p>Using the service interfaces listed below, any external SOAP-compliant client can send a message to EAM through QXtend Inbound to find a record or create/modify/delete transactional records.</p> <p>In this release, the following interfaces are available:</p> <ul style="list-style-type: none"> <li>• Find a WorkOrder – the user can find a work order record using Progress 4GL or the EAM search function.</li> <li>• Create a WorkOrder</li> <li>• Modify a WorkOrder</li> </ul>
	EAMNET-13932	Updated Portuguese translations.
	EAMNET-13971 EAMNETS-890	Missing Spanish translations are now provided.
	EAMNET-14429	When EAM 2015 is installed into EE 2015's AppShell, users can open the same browse, such as work orders, in two or more workspaces. Earlier versions of EAM did not allow multiple instances of a browse.
	EAMNET-14432	When EAM 2015 is installed into EE 2015's AppShell, EAM stops users from opening the same record at the same time in two or more workspaces.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (12 of 13)

Component	QAD Issue	Summary
	EAMNET-14433	When EAM 2015 is integrated with EE 2015 or higher, an EAM license code must be entered into EE's License Registration screen (36.16.10.1). This license code should be supplied by QAD or a partner. Once the license is entered, EE users may be granted access to EAM via EE's User Maintenance screen. If a user is not licensed for EAM, the Enterprise Asset Management folder is not visible in EE's menu.
	EAMNET-14512	EAM now posts to the ERP without going through QXtend.
System Administration	EAMNET-11728	The Budget Download batch job can be used to automatically load the requisition budget into EAM based on the QAD Standard Edition budget specified for the domain.
	EAMNET-12887 EAMNETS-847	Passwords created and set by users through the Reset Password action on the Users browse now expire in the number of days defined in the expiry password setting. Previously, the passwords never expired.
	EAMNET-13232 EAMNETS-863	Users can purge mail from their EAM Inbox by selecting the Purge Mail action and specifying the number of days of mail to keep. A date displays, indicating the starting date for deleting e-mails. Users can cancel the purge or select OK to delete the e-mails. A message displays how many e-mails were deleted. The Purge Mail action is securable by user.
	EAMNET-13585	EAM now locks a user account if the user enters an invalid password more than three times. In versions 12.7 and 12.8, the z_user.cust_dec02 field is used to track the number of invalid password attempts.
	EAMNET-13726 EAMNETS-589	Account Download from ERP generates the expected, valid, blank cost center for the blank cost center range when Cost Center Analysis = No in EE. Previously, it was deleting the cost center range from EAM.
	EAMNET-13737 EAMNETS-863	You can now purge all users' system e-mail for a common number of days using the Purge Mail batch job. The default is to purge mail more than 14 days old but this value can be changed. All users' inboxes will have their mail deleted based on the days specified for the job providing uniform maintenance of the users' inbox capacity. The job log displays success or failure plus any related messages.
	EAMNET-14121 EAMNETS-902	A User Site browse is now available with a respective user/roles record as a second-level browse.
	EAMNET-14352	Vendor e-mail address is included in the ERP download of vendor data.
	EAMNET-14782 EAMNETS-933	EAM no longer allows you to create a role with a blank ID. You receive the following error if you try to save without an ID: "Name cannot be blank."
	EAMNET-14793	You can set a user as active or inactive. Inactive users cannot access EAM.
	EAMNET-15020 EAMNETS-947	Users can now approve a requisition when their password is about to expire. Previously, users could not approve a requisition when their password was close to expiring.
	EAMNET-15163 EAMNETS-954	EAM now prompts for a password change with the password change screen on the user's first login when sysadm has reset the user's password.
	EAMNET-15164 EAMNETS-951	The Role Users Report prints e-mail address correctly when e-mail and other fields are used as filter criteria. Previously the report was not printing e-mail addresses.
System Management	EAMNET-12647	Email Address is now a mandatory field in the user data entry screen and independent of the "Receive Email?" check box. Each e-mail address must be unique and in a valid format before the user record can be saved or an appropriate error message is displayed. A utility has been created (emailuniqueutility_EAM12647.p) to generate a text file containing a list of existing duplicate, missing, and invalid e-mail address records. A file named missingandduplicatedata.txt is generated and placed in the current working directory of the user running the utility.

**Table 2** Fixes and Enhancements for EAM 2015 (12.9) (13 of 13)

Component	QAD Issue	Summary
	EAMNET-12650	<p>The Change Active Status action has been added to the user browse. The action is secured in Role maintenance. An inactive user cannot log in to the system and will see the message "User XXXX is inactive. Please contact your system administrator."</p> <p>"Sysadm" and "system" users cannot be inactivated.</p>
	EAMNET-12655	<p>ERP login and password have been moved from the System Control Registry to a new action on the System Control browse. Users with permission to access this action can enter the ID and password that EAM uses to access EE's APIs. For security reasons, the password characters do not display when typed in the password field, and when the password is changed, the new password must be entered twice to ensure that the user entered the value accurately.</p>
	EAMNET-13259	<p>When EAM is integrated with EE 2015, it writes its inbox messages to EE's inbox mechanism. When integrated with older versions of EE or with any version of SE, EAM uses its own internal message tables. EE 2015 users will not notice a difference in functionality although a utility may be necessary to port messages to EE 2015 from versions of EAM prior to EAM 2015.</p>
	EAMNET-13775	<p>When EAM is installed into EE 2015's AppShell, a job program can be used to copy EE user records into EAM. These records are only copies of users that are licensed for EAM.</p>

## **QAD Field Service Scheduler 3.4**

**QAD Field Service Scheduler Version:** 3.4

**Date:** March 2015

**QAD Enterprise Applications Version:** 2015EE (.NET UI 3.1)

### **About This Release**

This release is made to support QAD 2015 EE with .NET UI 3.1. There are no enhancements or fixes.

## QAD Integrated Customization Toolkit 4.1.20

**QAD ICT Version:** 4.1.20

**Release Date:** March 2015

### Related Documentation

The following documents have been created for this release:

- *Installation Guide: QAD Integrated Customization Toolkit* (item 70-3260-4.1.20)
- *User Guide: QAD Integrated Customization Toolkit* (item 70-3261-4.1.20)

The documents are available in the QAD Document Library:

<http://www.qad.com/documentlibrary>

### New Features

- It is now possible to use an asterisk (\*) as a wildcard in Exclusion Maintenance.
- Two new reports have been added: ICT Setup By Function Report (90.24.8) and ICT Setup By Table Report (90.24.9).
- For Subscriber, it is now possible to disable procedure usage in “Domains by tasks,” “Tasks by domains,” and “Activate/Deactivate Task.” The current setup is validated at runtime.

### Fixes

All reported bugs have been corrected, including:

- Reset of “Domains by tasks” and “Tasks by domains” setup did not work.
- CIM load did not work for ICT-added decimal fields.

## QAD Manufacturing and Supply Chain Reports and Browsers Bundle 1.3

**Manufacturing and Supply Chain Reports and Browsers Bundle Version:** 1.3

**Release Date:** March 2015

**QAD Enterprise Applications Compatibility:** QAD Enterprise Edition 2011 and later

**Related Documentation:** The *Reports and Browsers Bundles Installation Guide* is provided on the product delivery media. It is also available in the QAD Document Library, <http://www.qad.com/documentlibrary>.

This release includes a change to enhanced reporting functions in Manufacturing and Supply Chain areas of Enterprise Edition.

The change is related to the way in which the system displays the currency amount in several .NET UI reports. The format is now based on the rounding method specified in Currency Create or Currency Modify for the report selection currency. If the report does not include currency as a selection filter, amounts display according to the rounding method specified for the domain base currency.

Affected reports include the following:

- Transactions Detail Report (3.21.25)
- Daybook Trans Acct Report (3.21.36)
- DO Shipment Transaction Report (12.17.31)
- Transactions Accounting Report (3.21.40)
- Requisition To PO Report (5.2.43)
- Inventory Valuation As Of By Loc (1.5.48)
- Inventory Valuation As Of Date (1.5.47)
- Inventory Valuation By Location (1.5.46)
- Inventory Valuation Report (1.5.45)
- Item ABC Status Report Update (1.5.33)
- Item Cost Report (1.5.30)
- Work Order Cost Report (16.3.28)
- WIP Valuation Report (18.22.4.37)
- Routing Cost Report (14.13.38)
- Operation Transaction Detail Report (16.20.13.33)

## QAD Mobile Field Service 3.7

**QAD Mobile Field Service Version:** 3.7

**Release Date:** March 2015

**QAD ERP Compatibility:** 2012 EE, 2014 EE, 2014 SE, 2015 EE

**QXtend Compatibility:** 1.7 or later

**Languages:** Chinese (Simplified and Traditional), Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Spanish (Castilian and Latin American)

### New and Updated Features

- MFS Workspace Configuration utility is removed. The synchronization environment settings are integrated into the QAD MFS Control menu in QAD Enterprise Applications.
- A new option for changing passwords is available on the log-in screen of the QAD MFS client. You no longer need to set it in QAD Mobile User Maintenance in QAD EE and then run synchronization from the client to change the password.
- View FSRs is available in the Menu list, which leads you to the report repository: Save and Out.
- If any problem occurred during synchronization, you can view the error messages displayed right after the synchronization is complete instead of checking the log files.
- This release supports Lightweight Directory Access Protocol (LDAP).

### Fixed Issue

Internal ID	Description
MFS-389	In the previous version, no error was logged when call activity reports were missed during synchronization. This issue is now fixed.

## QAD QXtend 1.8.6

### Release Notes for QXI

**QXI Server Version:** 1.8.6

**Date:** March 2015

**QAD Enterprise Applications Compatibility:** eB SP4 through current release

**Supported Progress Releases:** Progress 9.1E, OpenEdge 10.0B, 10.1A, 10.1B, 10.1C, 10.2A, 10.2B, 11.1, 11.2, 11.3, 11.4

**Supported Java Version:** Java 1.6 or higher

**QAD QXtend Documentation:** *QAD QXtend User Guide* (70-3190-1.8.6) and *QAD QXtend Installation Guide* (78-0952-1.8.6)

### New and Changed Features

- 1 A new parameter Number of Records per Page has been added to queue configuration to specify how many QDocs can be displayed on one page.
- 2 Some Inbound programs/scripts have been modified to support the QAD 2015 EE Cloud version, which uses QAD Reference Architecture (QRA). For example, UIAPI client scripts use a different startup program in the QAD 2015 EE Cloud version.
- 3 QXtend Inbound Usage Report now has a date range filter, which allows you to view the usage records for a specific period.
- 4 Two new parameters, QRA Source Directory and Extra Propath Entries have been added to QXtend Installer.
- 5 QXtend can now detect browser type and is able to give a warning message if the browser is not Internet Explorer.
- 6 A new configuration element `includeUniqueIdInQdoc` has been added to the `qxtendconfig.xml` to specify whether a unique ID should be put in the session context of every QDoc response. The unique ID is the QXtend ID associated with each QDoc in `qdocRequests`, `qdocResponses`, and `qdocSummary` log files. The `uniqueID` in QDoc responses helps you to quickly locate the QDoc in log files.
- 7 The following QDocs are merged into QXtend:
  - SAQ-related QDocs for 2015 EE
  - New EOB QDocs for EE

### Fixes

Fix Description	Internal ID	Issue Affected Versions
Previously, there was a compilation error when compiling QGen program in ICT-enabled environment. This issue has been fixed.	QXT-1767	1.8.2+
Previously, when a QDoc had <code>scopeTransaction</code> set to true and an application error occurred, in some situations, it would take about two minutes to get a response QDoc. This issue has been fixed.	QXT-1748	1.7+

Fix Description	Internal ID	Issue Affected Versions
Previously, when maxUses of a UPAI connection pool was reached by an agent, and a QDoc with scopeTransaction set to true had an application error, it took two minutes for a response to be returned. This issue has been fixed.	QXT-1742	1.7+
The QDocs with brackets in their names have been replaced or renamed to avoid issues in using these QDocs.	QXT-1706	1.8.5
Previously, QDoc processing failed with StringIndexOutOfBoundsException if the field type format contained a right bracket. The issue has been fixed.	QXT-1702	1.7+
Previously, the byte order mark (BOM) in a QDoc request that was processed by queue caused a SOAPFault. This issue now has been fixed. When the BOM filter on the Axis Servlet is turned on, the filter removes the BOM in the QDoc request.	QXT-1698	1.7+
The issue that modifying a SIAPI QDoc in Inbound blanked out the methodName of the QDoc has been fixed.	QXT-1690	1.7+
The syncPassword and newPassword fields in session context that are used by QAD Mobile Field Service are obfuscated as asterisks in the response QDoc, qdocRequests.log, and qdocResponses.log. Previously, the passwords were shown in clear text.	QXT-1683	1.7+
Fixed the reisrc01.p program to bypass the Issue Data Input Selection list and remapped the recordRepetitiveLaborTransaction API for the existing version eB_2.	QXT-1682	1.8.5
The message text of the email alerts that QXtend generated can be shown as message body, instead of as attachments, in MS Outlook.	QXT-1671	1.7+
When generating WSDL of QXI APIs, the minOccurs value of a table element in a generated schema is the same as in the original schema instead of being always 0.	QXT-1669	1.7+
maintainItemMaster SIAPI now validates the pt_part field and reports an error when the part number contains more than 18 characters.	QXT-1667	1.7+
When the request QDoc XML is invalid, the system now returns "FailureException002 - Error processing xml document."	QXT-1665	1.7+
Previously, if Internet Explorer 11 was used, the left side menu frame could not be displayed correctly after creating or deleting Email Alerts related items. This issue has been fixed.	QXT-1641	1.8.5

### Known Issues

- When QXtend 1.8.6 works with QAD 2015 EE in the Cloud environment and LDAP users have been synchronized into EE, for FinAPI QDoc processing, only LDAP user ID can be used as username in connection pool or request QDocs. Domain\userID or user e-mail cannot be used.
- When QXtend 1.8.6 works with QAD 2014 EE and QAD 2015 EE, if no username/password is set in the connection pool and no username/password or session ID is provided in the QDoc, the QDoc cannot be processed, but the system still returns success. This issue happens with SIAPI QDocs.

### Release Notes for QXO

**QXO Server Version:** 1.8.6

**Date:** March 2015

**QAD Enterprise Applications Compatibility:** eB SP4 through current release

**Supported Progress Releases:** OpenEdge 10.2B, 11.1, 11.2, 11.3, 11.4

**Supported Java Version:** Java 1.6 or higher

**QAD QXtend Documentation:** *QAD QXtend User Guide (70-3190-1.8.6)* and *QAD QXtend Installation Guide (78-0952-1.8.6)*

## New and Changed Features

- 1 Dashboard Service is introduced to count events, publisher, and sender messages to prepare data for the dashboard. The interval of counting can be configured and status of the service is shown in dashboard. Dashboard Service improves the performance of QXtend Outbound and ERP transactions that create events.
- 2 Added the triggers `loc_mstr`, `op_hist` and `opm_mstr`, and business object `QualityDDP` for CEBOS integration.
- 3 Outbound is improved to facilitate the changing of database configurations for source application. It validates services before applying the change and gives warning messages and instructions for further steps after the change.

## Fixes

Fix Description	Internal ID	Issue Affected Versions
Previously, a few errors could be seen in qxosi appserver log after QXtend was installed with the default configuration. Now the errors have been eliminated.	QXT-1752	1.7+
Previously, if a field used in a calculated expression contains double quotes in the value, calculation may fail. This issue has been fixed.	QXT-1746	1.7+
Resubmit and delete requests work as expected in Message Monitor. Previously, it always resubmitted or deleted the first message.	QXT-1723	1.7+
Resubmit request from Message Monitor now only resend the QDoc message to its subscriber instead of all subscribers registered with the profile.	QXT-1716	1.7+
The business objects with self-joint data objects (i.e, parent and child data objects refer to the same table) can now be published without any issue.	QXT-1711	1.7+
A restriction has been added not to allow two data objects in one business object to share the same XML node name. In this way, the profile can always be copied without any issue.	QXT-1699	1.7+
Previously, the Message Monitor could not display the business object keys for DDP messages. This issue has been fixed.	QXT-1692	1.7+
Previously, in certain situations, a deleted message could not be produced when a record was created and deleted multiple times. Now this issue has been fixed.	QXT-1689	1.7+
The profile <code>MaintainRouting</code> now works with <code>Excelerator</code> query.	QXT-1684	1.7+
The performance of event service has been improved when there is a large number of pending events.	QXT-1670	1.8+
Previously, when <code>xsi:nil</code> was true (e.g. <code>&lt;qdoc:psEnd xsi:nil="true"&gt;</code> ) for a date field in subscriber message, the subscriber received a message with separate start and end tags as the follows: <pre>&lt;qdoc:psEnd xsi:nil="true"&gt; &lt;/qdoc:psEnd&gt;</pre> Now in the same situation, the subscriber receives a message with an empty element.	QXT-1666	1.7+
The message sender is enhanced in error recovering to avoid picking up subscriber messages with <code>DLV</code> status in certain situations.	QXT-1660	1.8+
Previously, if a BPM profile had <code>Delta QDoc</code> set to true, the BPM namespace was missing in a modified QDoc. This issue has been fixed.	QXT-1652	1.8+

<b>Fix Description</b>	<b>Internal ID</b>	<b>Issue Affected Versions</b>
Previously, if a QXtend system was upgraded from 1.8.2 or earlier versions, related profiles could not be copied when you copied a business object. This issue has been fixed.	QXT-1646	1.8.3+
Archive service can now delete the raw messages whose associated business objects were deleted earlier.	QXT-1636	1.7+
Outbound configuration bundle script now gives a warning message when a profile is imported but its name is identical to an existing profile name.	QXT-1634	1.8.3
Now Outbound does not throw errors when <code>tc_Status</code> field is not included in the profile data object.	QXT-1628	1.8+
In QXO Viewers, the check boxes could not be cleared when you clicked on Refresh, Previous, or Next buttons. Now this issue has been fixed.	QXT-1454	1.7+

## QAD Sales and Use Tax Interface 5.0

**QAD Sales and Use Tax Interface Version:** 5.0

**Release Date:** March 2015

**QAD Product Suite Compatibility:** QAD 2013.1 to QAD 2015 Enterprise Edition inclusive

### Quantum Releases Supported

The current release of SUTI supports Quantum version 5.0.

### Documentation Updates

The following documents have been updated for this release:

- *User Guide: QAD Sales and Use Tax Interface* (new item number: 70-3253-5.0)
- *Installation Guide: QAD Sales and Use Tax Interface* (new item number: 70-3252-5.0)

### System Requirements for SUTI 5.0 on Windows

- Intel Pentium 800 MHz or faster processor
- Platforms and operating systems:
  - Windows Server 2008 64 bit
  - Windows Server 2012 64 bit
- One of these versions of QAD Enterprise Edition:
  - QAD 2013.1 Enterprise Edition with Progress Open Edge 10 or 11; see the installation guide for your ERP application for specific requirements.
  - QAD 2014 or 2015 Enterprise Edition with Progress Open Edge 11; see the installation guide for your ERP application for specific requirements.
- Vertex's Quantum for Sales and Use Tax, release 5.0, using an ISAM database

### System Requirements for SUTI 5.0 on UNIX

- Platforms and operating systems:
  - Red Hat 5 64 bit (2.6.18)
  - Red Hat 6 64 bit (2.6.32)
  - HP Unix 11 i v3 64 bit
  - Solaris 11 64 bit
  - SuSE Linux Ent Srv 11 64 bit
- One of these versions of QAD Enterprise Edition:
  - QAD 2013.1 Enterprise Edition with Progress Open Edge 10 or 11; see the installation guide for your ERP application for specific requirements.
  - QAD 2014 or QAD 2015 Enterprise Edition with Progress Open Edge 11; see the installation guide for your ERP application for specific requirements.
- Vertex's Quantum for Sales and Use Tax, release 5.0, using an ISAM database

## QAD Supplier Portal 13.7

**QAD Supplier Portal Version:** 13.7

**Date:** April 19, 2015

### New Features

A new Exporting feature provides users with the ability to export User-Defined Field (UDF) and PO acknowledgment information. Previously, users could only export ASNs, draft invoices, and RFQs from QAD Supplier Portal to the poller client. With this new feature, users can now export UDF and PO acknowledgment data also. Until this release, all procurement data modified in QAD Supplier Portal had to be exported using a method provided by QAD.

#### Extract UDF and PO Acknowledgment Policy

QAD Supplier Portal contains a new policy to control the Exporting feature for UDF and PO acknowledgment data. The policy has two optional values:

- Do Not Extract UDF and PO Ack data (Default)
- Extract UDF and PO Ack data

Users who want to export UDF and PO acknowledgment updates must set the policy to the Extract UDF and PO Ack data option. Then, QAD Supplier Portal will export the required data.

The new policy will not affect customers who do not use the Exporting feature.

#### Admin Menu Updates

To allow users to configure the Export feature, QAD Supplier Portal now includes two new menu items in the Admin menu. To coincide with this change, some other adjustments have been made to the menu items in Admin > Company that relate to data management. The data management menu items have been moved to a new Admin sub-menu called Data Management.

The following is the structure of the new Data Management sub-menu:

Data Management

    Data Setup

    Export

        Reset ASN Export Status as Not-Exported

        Export UDF & PO Ack - Parameter

        Export UDF & PO Ack - Monitoring

    Delete Records

        Data Setup

- Export is a new menu item.
- Reset ASN Export Status as Not-Exported has been moved from its previous location in Admin > Company > Reset ASN Export Status as Not-Exported.
- Export UDF & PO Ack - Parameter is a new menu item for this enhancement and helps customer administrators to set up the delimiters for the exported CSV file.
- Export UDF & PO Ack - Monitoring is a new menu item for this enhancement and helps customer administrators to view the export history records for UDF and PO acknowledgment data.

- Delete Records has been moved from its previous location in Admin > Company > Delete Records.
- Data Setup has been moved from its previous location in Admin > Data Setup.

### **New Section in the poller.properties File**

The `poller.properties` configuration file contains an optional new section:

```
UDF_POACK_EXTRACTION_DIR=[ CSVFILESFOLDER ]
```

Use this parameter to define the folder name where you want to save the exported CSV file.

### **Export User-Defined Fields and PO Acknowledgments**

After a customer administrator has set up the policy and the parameters described in “Extract UDF and PO Acknowledgment Policy” and in “New Section in the poller.properties File”, the UDF and PO acknowledgment data is exported to the folder defined in the `poller.properties` file every time the gen load or gip load runs.

- The file name for exported UDF data is `UDFYYYMMDDHHMMSS.csv`
- The file name for exported PO acknowledgment data is `POYYYYMMDDHHMMSS.csv`

The files include all UDF or PO acknowledgment records that were updated in the period from the last successful export to the current loading.

## **Resolved Issues**

### **In-Transit Quantity (SV1S-570)**

QAD Supplier Portal now correctly recalculates the in-transit quantity for the old and new sites when an existing purchase order is deleted and then recreated with a different site, but with the same supplier and item. Previously, in this scenario, the in-transit quantity was not recalculated correctly for the old site.

### **Last Modified Alert Email Fields (SV1S-582)**

Admin > Company > User Maintenance > Contact Information now displays all Alert Email fields with the correct, last modified value. Previously, in this scenario, only one of the last modified Alert Email fields was displayed.

### **Red Envelope Icon for New VMI Working Data Set Selection (SV1S-583)**

QAD Supplier Portal now correctly displays the red envelope icon when a user receives an alert email for a new VMI working data set selection. Previously, in this scenario, the red envelope icon did not display.

### **Improved Performance of Poller Execution for Bulkload (SV1S-584)**

The QAD Supplier Portal poller execution for bulkload now displays improved performance. Previously, the performance was poor.

### **Current Date in Calendar (SV1S-588)**

The QAD Supplier Portal calendar now correctly displays the current (today's) date. Previously, the calendar did not display the correct date and time for the current date.

### **Last Transaction Date (SV1S-589)**

The QAD Supplier Portal poller now displays the correct Last Transaction Date under Inventory > Kanban > Card and Admin > Data Set up > Update History - Kanban. Previously, the Last Transaction Date displayed was incorrect.

### **Trash Icon (SV1S-603)**

QAD Supplier Portal screens now correctly remove the trash icon from the sort order when a user's view preference in Admin > Company > User Maintenance > Preferences is set to Scrolling View.

### **Additional Poller User Created (SV1S-604)**

Admin > Company > Additional Poller User now correctly creates an additional poller user. Previously, in this scenario, an additional poller user was not created.

### **Supplier Item ID in Min/Max Screen (SV1S-612)**

QAD Supplier Portal now displays the correct supplier item ID for all items available under the Min/Max screen. Previously, in this scenario, the supplier item ID was not displayed if more than one record for the same item was available in the Min/Max screen.

### **SKU Count for Active Suppliers (SV1S-616)**

Admin > Data Management > Data Set up > Working Data Set up - VMI now displays the correct SKU count for an active supplier and its active item and place combination. Previously, in this scenario, the SKU count did not consider the supplier status.

### **Supplier Quality Performance Report (SV1S-618)**

QAD Supplier Portal now correctly displays the data for the Supplier Quality Performance report by supplier in Internet Explorer versions 9 and 10. Previously, for these Internet Explorer versions, the report was not showing data for the Supplier Quality Performance report by supplier.

### **Changing Supplier ID for Current Company Only (SV1S-624)**

Admin > Company > Supplier ID Change now correctly changes the supplier ID for the current company only. Previously, in this scenario, the supplier ID was changed in all companies.

### **Improved Log in Time (SV1S-626)**

Users can now log in to QAD Supplier Portal in reasonable time. Previously, the log in to QAD Supplier Portal was very slow if the Supplier ID Change menu was used multiple times by any user.

## QAD Warehousing

**QAD Warehousing Version:** QAD Warehousing for QAD 2015 Enterprise Edition

**Release Date:** March 2015

**Supported languages:** US English, Castilian Spanish, Latin Spanish, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Simplified Chinese, and Traditional Chinese

**User Guide:** *QAD Warehousing*, item 70-3185-2015EE

**Installation/Conversion Guide:** QAD Warehousing installation information can be found in the installation documentation for QAD Enterprise Applications March 2015 Enterprise Edition.

**Note** The QAD Warehousing Enterprise Edition (EE) installation process differs from the QAD Warehousing Standard Edition (SE) installation process. Please review the installation and conversion guide before you begin installation or conversion.

### Fixes

- The warehouse task creation functions now process correctly and generate shortage tasks (SHRT-WO) for the movement of inventory from receiving locations to production locations. Previously, the system did not create the shortage tasks.
- Purchase Order Receipts (5.13.1) now correctly creates the discrete work order shortage task (SHRT-WO) task when the following conditions exist:
  - You partially receive a PO.
  - There is not enough inventory available for the component during a work order release.
  - You set Shortage Action to 3 in Transaction Type Maintenance (4.7.1).
  - Inventory is detailed allocated at the destination location after a task confirmation.

Previously, when these conditions existed, the system displayed an error that informed you that the short action changes did not allow the SHRT-WO transaction to exist and the system did not make changes.

- Warehouse Transaction Inquiry (4.9.1) now correctly displays the current User ID for all open tasks (PICK-DO) of the same distribution order, similar to sales orders, when you confirm the task using the RF Next Task (1.1) option, and set the Flavor to type C and the Multi-bin Pick Flavor C Sort to 0 in Warehouse Maintenance (4.1.1).
- Work Order Receipt Backflush (16.12) no longer creates the RCT-WO task when you set:
  - Selective Inspection to Yes and the Sample Percent to 100 in Item-Warehouse Maintenance (4.11)
  - Clear Shortages to Yes in Internal Routing Maintenance (4.2.5)

Previously, in this scenario, the system created the RCT-WO transaction along with the INSP-WO transaction.

- For a repetitive work order, the system now correctly deletes the allocation at the destination location when staff move the item from the source location to the destination location when they confirm the PICK-RPS task.
- Logistic UM Pallet Create/Transfer (4.17.17) no longer displays an error informing you that a unit of measure conversion does not exist and now correctly generates pallets when you define the UM conversion for an item in Unit of Measure Maintenance (1.13).
- Inventory Detail Inquiry (4.9.13) no longer displays a blank value for the alternate UM after you receive inventory at the destination location.

- The RF BP Pick SO/DO (3.1) and RF BP Pick All (3.2) options no longer make the item, lot, and reference number blank in the pre-shipper when:
  - You change the lot/reference while confirming.
  - The system locks the schedule order in the pre-shipper because it is accessed by Required Ship Schedule Maint (7.5.3) and you press CTRL-C to cancel the task.
  - You continue confirming the task after the lock is released without quitting the task.

Previously, in this scenario, the system set the pre-shipper item, lot, and reference number to a blank value.

- Work Order Receipt Backflush (6.12) no longer displays an error informing you that the reference is already in use when the reference being received exists in inventory for a different item and you set the Reference Uniqueness Level to L (references are unique within each location) in Warehouse Management Control (4.24). Previously, in this scenario, the system displayed an error.
- Pre-Shipper/Shipper Print (7.9.4) now displays the correct authorization number and pegged quantity when schedules are created for a different date and you confirm the task in Movement Confirmation Workbench (4.8.7) with a quantity of 0 (zero) and the Comp option set to Yes. Previously, in this scenario, the system created an incorrect authorization number and pegged quantity.
- The RF Location Audit (1.4) option no longer displays the first item record (that is, the record of the first lot number) when staff select the second record to update and there are multiple records of the same item with the same reference but different lot numbers.
- DO Warehouse Data Maintenance (4.13.6) now displays the receiving warehouse and Wave Selection (4.15.3) lets you select the DO when the system creates a requisition in Intersite Request Maintenance (12.15.1) and the requisition is linked to a DO in Distribution Order Maintenance (12.17.14).
- Distribution Order Maintenance (12.17.14) and Distribution Order Processing (12.17.21) now correctly display and update shipping locations. As part of this correction, Label Master Maintenance (36.4.17.1) now includes a new Ship Location field that is attached to Label Detail Maintenance (36.4.17.5).
- The system no longer displays the quantity on hand of an item for the on-the-fly transfer task (OTF-TR) that the system displays in the Expected quantity field and now correctly displays the quantity staff enter when they transfer an item from one location to another using the RF Transfer (1.3) option.
- DO Pre-Shipper/Shipper Maintenance (12.19.3) no longer displays the Progress error: `sr_wkfl` exists with Domain `xxx` Session ID `xxx`, `sr_lineid` Lot/Serial `xxx`, Ref `<blank>`—where `xxx` is the ID or number—when the following conditions exist:
  - Staff confirm warehouse tasks that have the same destination site.
  - The reference is removed during the pick using RF pick options.
  - You set the To Reference Option to 1 in Internal Routing Maintenance (4.2.5).
- The RF Next Task (1.1) and RF Select Task (1.2) options now correctly display frames with warning messages that warn users to get or take stock from locations when they confirm an inter-warehouse transaction. Previously, the warning message remained on the RF screen after pressing the space bar and the frame was distorted.
- The Next Task (1.1) option and the following programs now let RF users switch tasks for stage out or stage in locations when you specify a location for the StageOut/StageIn field for a single warehouse location in Warehouse Location Maintenance (4.3.13) and set Allow Task Switching to Yes in Work Location Group Maintenance (4.3.9). Previously, users could not switch the task.
  - RF Select Task (1.2)
  - RF PreShip Sel Task (1.7)
  - RF Order Sel Task (1.4)

- You can now enter decimal values in the Sample Qty field in Item-Warehouse Maintenance (4.4.11) and the following programs:

Multi-Level Item Inquiry (4.4.6)	Item-Warehouse Inquiry (4.4.12)
Multi-Level Item Maintenance (4.4.5)	Item Inquiry (4.4.8)
Item-Site Inquiry (4.4.10)	Item Maintenance (4.4.7)
Item-Site Maintenance (4.4.9)	Item-Warehouse Maintenance (4.4.11)
Supplier Item Inspection Maint (4.4.13)	Supplier Item Inspection Report (4.4.15)
Sample Inspection Report (4.19.3)	Sample Inspection Maintenance (4.19.1)
Sample Inspection Workbench (4.19.4)	Inspection History Maintenance (4.19.17)

As part of the resolution:

- The format of the existing fields were changed from integer to decimal in the database schema for the Sample Qty field, and the previous field of integer data type was renamed to a QAD reserved field.
- New utility programs let you store the existing value of Sample Qty from integer to decimal form:
  - InspH\_cv93.p
  - PartWhseM\_cv93.p
  - pt\_mstr\_cv93.p
  - pti\_det\_cv93.p
  - VendPartM\_cv93.p
- For EE, a conversion program lets you move the field value from the previous field to a newly created field. The conversion program runs automatically through the QAD conversion/upgrade process.
  - The Algo Nbr displays separately as an integer in Sample Inspection Report (4.19.3).
- The system no longer assigns an incorrect algorithm number (value of 10) when staff perform a PO receipt using Purchase Order Receipts (5.13.1) with inspections set for multiple pallets.
- The system no longer sets the ABS ID and Shipper ID fields as blank on the warehousing task in DO Pre-shipper/Shipper Maintenance (12.19.3) when a single pre-shipper line exists for the distribution order line and the corresponding warehousing task exists. Previously, both fields were blank under these conditions and when users added a new line or created a pre-shipper/shipper in the program.
- The RF Pallet Explosion (3.6) option no longer displays the Progress error, `** Invalid character in numeric input s. (76)`, when the system explodes the second pallet of the same SO or DO pre-shipper line with these conditions:
  - Explode second pallet after generating an SO/DO shipper using Wave Replenishment (4.15.6).
  - Change the Qty Ordered field value of the SO/DO.
  - Use Wave Replenishment after you change the Qty Ordered value.
- The QAD Enterprise software no longer overrides QAD Warehousing software and the system now uses the correct default location when:
  - You set the Inspect Flag to Yes in either Item-Site Planning Maintenance (1.4.17) or Item Master Maintenance (1.4.1).
  - You create a purchase order in Purchase Order Maintenance (5.7).

Previously, with these conditions, the system did not use the correct default location for QAD Warehousing and instead, used the location available in the Inspection Location field in Purchasing Control (5.24).

- The RF Container Build (3.3) and RF Pallet Explode options no longer let users explode an already exploded item reference. When they try, the system displays an error message informing users that the items are already contained and prohibits further processing. In addition, when you release another wave for the same ship-from/to using Wave Replenishment the system completes the processing and generates a pre-shipper. Previously, users could explode the item reference, but the system would not complete processing.

Performance issues were resolved when you release a work order or use Wave Release (4.15.8) and the system is using the QAD Warehousing location find (LF) algorithm 3.

- The system now lets RF users switch tasks when they enter a stage-in location during RF Next Task (1.1) processing. Previously, the system displayed an error that indicated no tasks were available. The correction also applies to the following RF programs:
  - Select Task (1.2)
  - PreShip Sel Task (1.7)
  - Task confirmation options (4.8.x programs)
- The RF BP Pick All (3.2) option no longer prompts users to enter a value in the Container field while confirming WO or RPS pick tasks when you set the Container/Reference field to Container in Batch Picking Control (4.15.24). Previously, the system prompted for the container even though the RF tasks were related to work orders, not SOs or DOs.
- The system no longer displays an incorrect error message in either the RF BP Pick SO/DO (3.1) or RF BP Pick All (3.2) option when staff scan lot/serial and references. Previously, the error displayed in the two RF options even when staff scanned valid lot/serial or references and the following were set as required in Batch Picking Control (4.15.24):
  - References
  - Scan references
  - Lot/serial
  - Scan lot/serial
- Repetitive Picklist Calculation (18.22.3.1) now correctly considers the warehouse picking logic when:
  - Warehouse master list is being used in Item Master maintenance (.4.1) with algorithm 36.
  - Item-Site Maintenance (4.4.9) is used at the site level.

Put Away/Loc Find Simulation (4.6.13) now displays locations considering their available capacity and rules as specified in the putaway (PA) algorithms 2 and 3 while simulating inventory receipts when staff leave the RF Lot/Serial and Reference fields blank. Previously, in this scenario, the system displayed only one location for the entire simulated inventory receipt and did not consider available capacity.

- Wave Replenishment (4.15.6) no longer has performance issues when you replenish or release a wave and the wave release consists of many open and closed pre-shippers with many lines for the same ship-to. Previously, the system checked all pre-shipper lines and when many closed pre-shippers for the ship-to existed, there was no filtering of closed pre-shippers while open pre-shippers were searched, leading to a performance issue.
- The RF Next Task (1.2) option and the following RF programs now display an error informing you that lot/serial numbers are required or that a quantity of -1 or 1 should be entered for the lot/serial-controlled item when staff enter a blank value in the Lot/Serial field.
  - Select Task (1.2)

- PreShip Sel Task (1.7)
- Order Sel Task (1.14)

Previously, the system did not display an error and confirmed the task.

- The following RF programs now correctly transfer alternate units of measure to the destination locations:
  - Transfer - Single Item (3.4.1)
  - Transfer - Multi Item (3.4.2)
  - Transfer With Lot/Serial Change (3.4.3)
  - Batchload Transfer with Lot/Serial (3.4.4)

Previously, the alternate units of measure did not transfer because the system did not assign the alternate UM of the source location to the alternate UM of the destination location.

- The RF system no longer has navigation problem between menus. Previously, in an RF menu option when users scrolled using the cursor, arrows, or buttons instead of typing the menu option number, the system displayed previous menu options and not the menu options from which the current program that just completed processing was invoked.

Wave Selection (4.15.3) now includes the same selection criteria to add orders to the wave as the initial selection criteria. Previously, when you added orders, the reference choice was missing as well as the time.

- Put Away/Loc Find Simulation (4.6.13) now displays the correct destination location when the alternate UM is blank or when the alternate UM is not blank and the displayed locations are not the same as the actual warehouse transaction's To Location for putaway algorithm 61. Previously, the system did not consider the capacity and algorithm when displaying destination locations for the warehousing transaction PA/LF simulation.
- The system no longer displays an error informing you that there are no pre-shippers for a wave when you enter the Wave Pre-Shipper Workbench (4.15.14) after containerization of a pallet using the RF Pallet Explosion (3.6) option. Previously, in this scenario, the error displayed.

Distributed Order Receipt (12.15.20) and the RF Receipts (1.8) option no longer display an error informing you that the quantity available in the site location for lot/serial is 0 (zero) when you receive an item with a logistics UM that is different than the base UM in Item-Warehouse Maintenance (4.4.11).

- The RF Select Task (1.2) option and the following programs no longer create duplicate transactions from an intermediate location to a destination location when there are more than two routing sequences in Internal Routing Maintenance (4.2.5) and you confirm the full task from the stage-out location to the intermediate location. Also, the same programs now correctly update inventory in Inventory Detail Inquiry (4.8.17) when there are more than two routing sequences in Internal Routing Maintenance and a partial task is confirmed.
  - Movement Conf. By Transaction (4.8.1)
  - Movement Conf. By Location (4.8.2)
  - Movement Conf. By Order (4.8.3)
  - Movement Conf. Workbench (4.8.4)
  - Movement Conf. Processor (4.8.5)
  - Movement Conf. Inquiry Format (4.8.6)
  - RF Next Task (1.1)

- Sales Order Shipper Maintenance (7.9.8) now correctly defaults the Multi Entry field to No in Item-Warehouse Maintenance (4.4.11) and does not generate a reference when you define the UM conversion in Unit of Measure Maintenance (1.13) for the item and the system uses the alternate UM as the logistics UM in Item-Warehouse Maintenance. Previously, in this scenario, the system defaulted Multi Entry to Yes and generated new references.
- The system now displays the correct destination location in Put Away/Loc Find Simulation (4.6.13) and Warehouse Transaction Inquiry (4.9.1). Previously, the system displayed the wrong destination location because it did not sort locations first by popularity code and then by location code.
- Inventory Detail Inquiry (4.9.13) no longer displays a blank value for the alternate UM after staff receive inventory at the destination location for a distribution order when existing inventory moves into the pallets.
- Purchase Order Receipt (5.13.1) now updates the consignment quantity to the location detail when you specify the warehouse as the receipt location, and Inventory Detail Inquiry now displays the correct alternate UM when staff use the RF Kanban Scan (1.5) option to move inventory and you define the logistics UM in Item-Warehouse Maintenance for the part, site, and warehouse.
- Movement Conf. Processor By Transaction no longer increases the inventory, making it double in quantity. Previously, the program confirmed the cycle count task, created the recount task, and then confirmed the recount task—so that the inventory doubled.
- Replenishment Request (4.16.13) and the RF Kanban Scan option now correctly consider the internal routing sequence to generate replenish tasks between two warehouses. Previously, only external routing was considered.
- Available Kit Quantity to Ship (7.1.8) and Picklist/Pre-Shipper – Automatic (7.9.1) now pick the correct quantity of component items for a kit item when:
  - The quantity available for the component item is less than the required quantity.
  - You use pallets for components.
  - You set Allow Split to No in any of the Warehousing programs that have this field: Hold Maintenance (4.3.23.1), Alternate Unit of Measure Maint (4.5.1), Storage location Group Maint (4.3.1), and so on.
- The system no longer sets the ABS ID and Shipper ID fields as blank for warehousing tasks in DO Pre-shipper/Shipper Maintenance (12.19.3) when a single pre-shipper line exists for the DO order line and the corresponding warehousing tasks exist.
- The RF Location Audit (1.4) option no longer causes inventory to go below 0 (zero) when there is an active task being confirmed by one user, and another user simultaneously audits a location and reduces the location's quantity on hand for the same inventory task being confirmed by first user.
- The system no longer displays an error informing you that the reference is already in use when you perform a multi-entry in PO Shipper Maintenance (5.13.14) and set the Reference Uniqueness Level to L (references are unique within each location) in Warehouse Management Control (4.24).

