

# QAD Enterprise Applications 2018 Enterprise Edition Release Notes

## September 2018

QAD Enterprise Applications 2018 – Enterprise Edition (QAD 2018 Enterprise Edition, or QAD 2018 EE) includes product changes made between August 24, 2017, and June 20, 2018.

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 Dashboard under the Product Changes area on QAD's Online Support Center:

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

The Release Notes describe changes in the following areas:

- Financials Enhancements
- Internationalization Enhancements
- Manufacturing/Supply Chain Enhancements
- Performance Notes
- Installation and Conversion Updates

**Note** QAD 2018 EE is supported by the latest release of the QAD .NET User Interface.

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 6 for information.

## Financials Enhancements

### Fixed Assets

The Override Depreciation function is used in Fixed Assets for assets that have been acquired midway through their useful life to allow manual GL update of acquisition cost and subsequent update of accumulated depreciation within the asset record. You can now post acquisition GL transactions for assets in override depreciation mode or use the existing functionality that does not make an acquisition posting. The setting to post acquisition costs is made at either individual asset or overall book level. It can be used in conjunction with depreciation deviation functionality, which posts the difference between the primary and secondary books to the secondary book.

### Process Incoming Bank Files

In Process Incoming Bank Files, you can automatically write off payment differences at the invoice level in addition to existing functionality where the tolerance is calculated at the level of the full payment. The functionality allows choice of write-off rules by customer. You can define whether you want to write off small differences based on each invoice included in a payment or on the complete payment amount. The tolerance can be enabled at own bank number or customer level.

## Accounts Receivable

You can now reopen customer payments from status Paid to Initial. This functionality enables you to correct payments that have been assigned incorrectly.

In certain countries, it is a requirement to allocate payments to the correct stages; if an error is made and the payment is assigned to the wrong stage, this can result in fines from local authorities. There is a new stage movements table to store all movements for payments with stages. The stage movements can now be correctly tracked on the Customer Activity Dashboard. A number of aging reports have also been modified to use data from this new table, so the allocated amounts can be shown on the correct stage. Corrections made in Open Item Adjustments are not supported for staged payments.

An additional enhancement for customer payments through Shared Services allows you to record the payment of invoices for multiple customers within a single customer shared services center in one payment using Process Incoming Bank Files.

## Revenue Recognition

When revenue calculations are run, it is now possible to defer and accrue not only revenue amounts, but also the associated cost values for items included in a revenue contract. This functionality assists compliance with the matching principle of accounting, whereby costs are matched in the same period as related revenue.

New functionality for creating default revenue recognition rules allows you to further automate the process for revenue contract creation. New menu options enable you to define which revenue recognition rules are to be used when revenue contracts are created. You can use different combinations of item codes, product lines, customer types, and shipment details to define which revenue recognition pattern is to be used for a given contract.

## Spot Rates in Banking Entry

In Banking Entry Create, you can use additional fields, available in design mode, to facilitate the allocation of multiple customer or supplier invoices using a spot rate. Four fields are available for use in defining spot rates: Inbound Rate and Inbound Rate Scale for customer invoices and Outbound Rate and Outbound Rate Scale for supplier invoices. You add the fields to the header of Banking Entry Create, if needed.

If you then define a spot exchange rate in the Banking Entry header fields and then go to allocate the entry, the rate defined is copied into the Accounting Rate field of the allocation line, removing the need to manually enter the Accounting Rate for each line.

## Journal Entry Reporting

The Journal Entry record contains a new field, Print JE, that lets you print a report of the journal entry when the entry is successfully saved. In Journal Entry Modify, you can edit the Print JE field for all layer types to print a journal entry that is already created in the system. Alternatively, you can run the Journal Entry Report (25.3.1.20)—separately from Journal Entry Create—to print any journal entry.

## Banking Entry Reporting

The Banking Entry record contains a new field, Print Statement, that lets you print a report of the banking entry when it is successfully saved. In Banking Entry Modify, you can edit the Print Statement field to print any banking entry. Alternatively, you can run the Bank Statement Report (31.1.15)—separately from Banking Entry—to print any banking entry.

## Supplier Invoice Reporting

The Supplier Invoice record contains a new field, Print Invoice, that lets you print a report of the invoice when it is successfully saved. In Supplier Invoice Modify, you can edit the Print Invoice field for all layer types to print a supplier invoice that is already created in the system. Alternatively, you can run the Supplier Invoice Print (28.1.1.17) report—separately from Supplier Invoice—to print any supplier invoice.

## Unlocking a GL Period Across Multiple Entities

Entity GL Period Unlock (25.4.2.4) contains a new Apply To field that lets you to unlock a GL period across multiple entities using entity groups created in Entity Group Create (36.1.1.2.5).

## New Filters for Open Item Adjustment

You can optionally add extra filter fields to the search criteria for Open Item Adjustment. These additional filters, by default, are not visible to users—you must add them using design mode. Use List Filters is one of the additional fields and acts as a toggle that allows you to switch between using the default search filters for Customer/Supplier and Year/Daybook/Voucher, and the additional design mode search fields. The additional search fields are:

- Customer/Supplier List
- Year/Daybook/Voucher List
- Invoice Due Date From
- Invoice Due Date To
- Posting Date From
- Posting Date To
- Payment Reference

## Reopening the PC Subledger Entity GL Period Modify

In Entity GL Period Modify (25.4.2), you can no longer reopen the Periodic Costing subledger for a period with existing periodic costing transactions. You must use PC Calculation Reverse (30.5.23) in QAD Periodic Costing to reopen the GL period.

Previously, you could reopen the Periodic Costing subledger from Entity GL Period Modify.

## Internationalization Enhancements

### Posting Date for Invoices Created by ERS

The ERS Processor (28.10.13) assigns the system date as the posting date for supplier invoices. To facilitate Japanese business practices, you can now configure the system for the ERS Processor to use the effective date from the PO Receipt transaction as the posting date for supplier invoices instead.

# Manufacturing/Supply Chain Enhancements

## PC Calculation Reverse

PC Calculation Reverse (30.5.23) now:

- Displays the last closed GL calendar year/GL periods
- Prompts you to choose to continue
- Reverses the relevant periodic costing transactions
- Reopens the relevant closed GL calendar year/GL periods

PC Calculation Reverse completes these tasks for all entities in the domain for which you respond with Yes at the prompt.

Previously, PC Calculation Reverse only prompted you for the GL calendar year/GL periods to reopen.

## Serialization, Item Attributes and Quality Control

QAD Enterprise Edition 2018 comes with the latest version of SAQ (v2.7.1), which includes many new and enhanced features.

### Serialization

#### Dual Serial IDs Supported

In some use cases, manufacturers are required to use serial IDs that fit a specific format, such as guidelines where serial IDs are limited to 8 or 9 digits or serial IDs cannot be repeated for at least 1 year. In some of these cases, suppliers provide manufacturers with their specific serial IDs, or customers require manufacturers to deliver serial IDs according to a specific format. QAD Serialization expects each serial ID to be unique within the database, across all domains. When you have multiple suppliers and customers across multiple sites and domains, the risk of providing duplicate serial IDs can be very high.

To prevent the possibility of having items with duplicate serial IDs, enhancements were made to the system so that items can have two serial IDs that are linked. An extension to serial master management was implemented to cross-link an External Serial ID and an Origin Code with the Internal Serial ID. The External Serial ID is an external serial number provided by the supplier. The Origin Code is a supplier-provided code that is defined in Serial ID Range Maintenance and that is uniquely related to the site and supplier combination. The Internal Serial ID is the serial ID automatically generated by the system, as defined in Number Range Maintenance, or one of the external serial IDs that was imported using Serial Range Extension. By having the Internal Serial ID linked to the External Serial ID and Origin Code, you can use the specific supplier or customer serial ID to perform package handling. Even if supplier or customer serial IDs are duplicated, those serial IDs will always be linked to unique Internal Serial IDs.

#### Serial ID Commission Date

For use cases when inventory is not lot controlled or batches of a single lot contain many serialized packs, an enhancement was made to add a serial ID Commission Date, which gives the ability to pick and issue inventory by pack ID using FIFO picking logic. The Commission Date/Time field lets you enter the date and time a pack or serial item unit was received, built, or created. You can update this field using Serial Master Data Maintenance (3.17.18) and Update Commission Date (3.17.26), which are both new functions introduced in the latest version of SAQ. Serial Master Data Maintenance lets you modify selected fields in a Serial Master record, including Commission Date, Pack Code, UM, and Supplier Lot. When these fields

are modified, Serial History (serh\_hist) records are created to record the changed values. Update Commission Date lets you perform a batch update of the Commission Date in Serial Master records.

### Pending PO Shipper Unload Enhancements

Enhancements were made to the Pending PO Shipper Unload (5.13.12.13) function to give users the ability to unload and receive loose inventory and multi-item unit packs for PO shippers/direct PO receipts. Now, you can use this function to unload and receive loose inventory that is not packaged during receipts and unload and receive packs built by the supplier that are mixed pallets and which contain multi-item unit packs.

### Shipping Groups Integrated with Pack Transfer Programs

Shipping group functionality has been integrated with the following serialized pack transfer programs:

- Pack Transfer
- Pack Transfer with L/S Change
- Pack Transfer - Multi Pack

Now, the serialized pack transfer programs function in the same way as the non-serialized inventory transfer functions so that users can add goods transferred to a shipper, which is generated with shipping groups.

### Tare Weight Calculations

An enhancement was made to how the system calculates tare weight when Serialization is enabled. Previously, to calculate the tare weight, the system would only consider the pack weight that was defined in the pack code used to pick inventory. Any tare weight defined in the Item Master was assumed to be part of the pack weight. Now, when packaged or loose inventory is picked, the system will pull in the tare weight of items picked (ship weight minus net weight multiplied by quantities picked).

**Note** Customers who use previous versions of Serialization and who upgrade to 2018 EE or higher will need to validate the calculated weights and potentially adjust master data defined in Pack Code Maintenance and/or Item Master Maintenance based on the extended logic.

### Additional Improvements

2018 EE also introduces the following improvements to SAQ:

- The system allows users to define shipper numbers in Pre-Shipper/Shipper Pack Build.
- Improvements were made to Pack Transfer, Pack Transfer with L/S Change, and Pack Transfer - Multi Pack.
- Restrictions set up in Inv Transfer Restriction Maintenance are incorporated into these programs.
- These functions now consolidate the pack IDs in the shipper and add the current pack to the single shipper history record, when the same shipper ID is used to transfer a different pack when shipping groups are enabled.
- Pack Receipt by Work and WO Receipt Backflush by Pack correctly create a RCT-WO transaction when receipts are done for an existing pack that is already in active stage.
- Improvements were made to Pack Receipt by WO so that the system receives the complete quantity entered when the BOP has a master pack level and the default Std Pack Qty and Number of Packs are changed.

- Improvements were made to the Serialized Inventory Report so that it displays the correct Quantity in Pack, Loose Inventory, and Available Pack Quantity when loose inventory in a location having a different inventory status is transferred and a status conflict message is displayed during Pre-Shipper/Shipper Pack Build.
- Improvements were made to Cycle Recount Entry by Locations allowing users to complete the process when the same item was backed out previously from the Remarks frame.
- Improvements were made to Inventory Scrap by Pack so that users can scrap negative loose quantities when no inventory exists for the item.
- Additional fixes to SAQ were made that improve system performance and improve APIs. For detailed information about each fix, see the link to the support page included in these release notes.

### **Item Attributes and Quality Control**

Numerous fixes were made to Item Attributes and Quality Control to improve system performance.

## **Performance Notes**

This release includes an improvement in response times for confirming Supplier Payment Selections.

## **Installation and Conversion Updates**

QAD Enterprise Edition 2018 requires OpenEdge 11.7.3 and Java SE Development Toolkit 8.

The QAD Enterprise Edition upgrade process conversion-ee-upgrade has been enhanced as follows:

- The conversion-ee-upgrade process now uses the standard database structure and schema YAB processes, which dynamically calculate the changes to be applied. Previously, database structure and schema updates used predefined static files depending on the source Enterprise Edition version.
- The conversion-ee-upgrade process now runs the operational and financial conversions as independent steps.

## **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 2018 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 (.qrc and .qrc7 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 2018 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 2018 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 2018 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 2018 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.

