

# Serialization, Item Attributes, and Quality Control Release Notes

**March 2018**

These release notes include information about fixes and enhancements related to Serialization, Item Attributes, and Quality Control (SAQ) v2.7.

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# Release Notes for Current Release

**Serialization, Item Attributes, Quality Control version: 2.7**

**QAD Enterprise Edition:** 2016EE (Cloud and On-Premise), 2017EE (Cloud and On-Premise)

**.NET UI:** 3.1.0.75

**Release Date:** March 2018

**Prerequisites:** 2015/2016/2017 EE release and .NET UI 3.1.0.75 installed

**User Guide:** *QAD Serialization User Guide* and *QAD Item Attributes and Quality Control User Guide*

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

## Installation Instructions

For installation information, see *QAD Serialization, Item Attributes, and Quality Control Installation Guide v2.7*.

## Serialization

### New and Enhanced Features

#### 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 SAQ v2.7. 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.

### Fixes

The following table describes Serialization fixes for this release.

QAD Ticket Number	Description
CRMFG-12848	<p>Added the ability to the Pending PO Shipper Unload function to unload and receive loose inventory and multi-item unit packs for PO shippers/direct PO receipts. Now, the user is able to 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, which contain multi-item unit packs.</p> <p>Previously, the Pending PO Shipper Unload function only supported a limited number of use case scenarios where the user could only unload items in a pack when the packs were defined in packaging structures.</p>
CRMFG-16603	<p>For use cases when inventory is not lot controlled or batches of a single lot contain many serialized packs, added the ability to pick and issue inventory by pack ID using FIFO picking logic. As part of this enhancement, the following was added:</p> <ul style="list-style-type: none"> <li>• Serial Master Data Maintenance (3.17.18). This is a new function that allows the user to 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.</li> <li>• Update Commission Date (3.17.26). This is a new utility that allows the user to perform a batch update of the Commission Date in Serial Master records.</li> <li>• The Commission Date/Time field was added to the Serial Master in order to allow ability to calculate picking logic by pack using commission date/time.</li> </ul> <p>Previously, users were not able to pick and issue inventory by pack ID using FIFO picking logic when inventory was not lot controlled or when the lots contained many serialized packs.</p>
CRMFG-16955	<p>Changed a label on the Inventory Variance Browse tab in Physical Inventory Counting Result from “Quantity on Hand” to “Variance” because that label is for the QtyOhHandVar field.</p> <p>Previously, there were two fields on the Inventory Variance Browse tab using the “Quantity On Hand” label.</p>

CRMFG-17063	<p>Now, Pack Receipt by WO and WO Receipt Backflush by Pack can process items in which Lot Control = S.</p> <p>Previously, these functions could not process items where Lot Control = S.</p>
CRMFG-17129	<p>Now, the counts from multiple physical inventory tags for non-serialized (loose) inventory will be summed together in the same way that the Inventory Balance update function will process them.</p> <p>Prior to this change, the Physical Inventory Variance browse would use the count quantity from a single physical inventory tag for non-serialized (loose) inventory even when multiple tags were counted for the same site, location, item, lot-serial and reference.</p>
CRMFG-17269	<p>Fixed an issue where the following Progress error was displayed when a user would use the Repackage or Pack Split transactions to add loose inventory that had no location detail (ld_det) record to a pack:</p> <p>“No ld_det record is available. (91) Error attempting to push run time parameters onto the stack. (9984)”.</p> <p>Now, the system does not display the Progress error above.</p>
CRMFG-17287	<p>An enhancement was made to the Pack Create, Pack Build, and Pack Receipt API datasets so that when the system is in API mode, it displays the first new serial ID and the number of serial IDs that were created.</p> <p>Previously, the Pack Create/Build/Receipt API did not provide the serial IDs that were created as output</p>
CRMFG-17788	<p>Fixed an issue where the Qty Change field in the Serial History Browse displayed incorrect information when using the Inventory Scrap by Pack transaction.</p>
CRMFG-18028 CRMFG-16558	<p>An enhancement was made to allow shipping groups to be integrated with the following serialized pack transfer programs:</p> <ul style="list-style-type: none"> <li>• Pack Transfer</li> <li>• Pack Transfer with L/S Change</li> <li>• Pack Transfer - Multi Pack</li> </ul> <p>Now, the serialized pack transfer programs function the same as the non-serialized inventory transfer functions so that users can add goods transferred to a shipper that is generated with shipping groups.</p>
CRMFG-18284 CRMFG-16672	<p>Added a new match level to Match Level Maintenance called Match Level 7 - Automatic Unload, which does not require any labels to be scanned and converts the shipper directly into serialized packs based on the data contained in the shipper itself. This enhancement, allows users to use Pending PO Shipper Unload for direct receipts/automatic unloads. When match level 7 (Automatic Unload) is enabled, no matching is required and the PO shipper will be received as-is at the moment of receipt.</p> <p>Previously, the Pending PO Shipper Unload function required the users at a minimum to receive packaged goods by scanning the master pack.</p>
CRMFG-18397 CRMFG-11091	<p>The following enhancements were made to the Serial Delete/Archive function:</p> <ul style="list-style-type: none"> <li>• Added Pack Code, Item Number, Reference, and Lot/Serial to the filter selections to give users a better ability to delete records that are not active.</li> <li>• Users are now be able to delete serial records with stages “New” and “Booked”.</li> </ul>
CRMFG-18406	<p>Now, when using Pre-Shipper/Shipper Confirm with Auto Invoice set to Yes, the sales order line and sales order complete date and status are set properly if the lines and order have been fully shipped.</p> <p>Previously, when using Pre-Shipper/Shipper Confirm with Auto Invoice set to Yes, the sales order line and sales order complete date and status were not set properly if the lines and order had been fully shipped.</p>
CRMFG-18426	<p>Now, when using Pre-Shipper/Shipper Picking (7.8.1) for Sales Orders and Pre-Shipper/Shipper Picking (12.9.1) for Distribution Orders, the system will correctly transfer a serialized pack from one location to another without losing the serialized pack's connection to the correct location detail record in the case where the destination location is set to temporary and contains a negative on-hand balance that is exactly equal to the inventory contained in the serialized pack that is being transferred into it.</p> <p>Previously in this scenario, the destination location detail record would have been deleted at the moment of the receipt of inventory into it and the serialized pack would not be able to link to the location detail record.</p>
CRMFG-18451	<p>Now, the Pre-Shipper/Shipper Pack Build API allows a pack to be removed.</p> <p>Previously, this API did not allow the pack to be removed.</p>
CRMFG-18501	<p>Fixed an issue where the system shows negative inventory when using Sales Order Shipment with Return. Now, Sales Order Shipment with Return does not remove ld_det when over issue is allowed.</p>
CRMFG-18508	<p>Physical inventory now works for the pack when the original inventory qty on hand is negative.</p>

CRMFG-18519 CRMFG-18404	Now, when receiving serial IDs using Serial Range Extension, the system does not require users to pre-define the serial IDs.
CRMFG-18536	Now, when using PO Shipper Unload, specific error messages are displayed if the system validations fail to better explain to the user why the unload/receipt failed.  Previously, when using PO Shipper Unload, the validations occurred but there were no proper error messages that explained why an unload/receipt failed.
CRMFG-18750 CRMFG-18810 CRMFG-18811	Enhancements were made to the system so that it supports an item having two serial IDs (dual-identifiers) that are linked. This functionality removes the possibility of having items with duplicate serial IDs in the system. <ul style="list-style-type: none"> <li>• 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.</li> <li>• The External Serial ID and Origin Code were added to Serial Master Data Maintenance (3.17.18). Serial Master Data Maintenance is a new function that allows the user to update serial ID attributes, such as, Pack Code, Pack Quantity, Commission Date, External Serial ID, and Origin Code.</li> <li>• The Internal Serial ID Rule and Outbound Serial ID Rule fields were added to Serial ID Range Maintenance (13.14.19). The Inbound Serial ID Rule field determines whether the system uses a single serial ID or whether it supports two serial IDs as a dual identifier for the inbound receipt of goods. Using two serial IDs prevents the possibility of having duplicate system serial IDs. The Outbound Serial ID Rule field determines whether the system generates a customer-specific external serial ID for the outbound shipment of goods. The system first generates a system serial ID based on the settings defined in Serial ID Range Maintenance and then it generates a customer-specific external serial ID based on the Starting Character and Maximum Length field settings. These numbers are linked thus preventing the possibility of having any duplicate serial IDs that may be caused by customer specifications.</li> </ul>
CRMFG-18870 CRMFG-18864	An enhancement was made to extend traceability of serial master fields (Commission Date, External Serial ID, User ID's , and so on) so that the user can trace back what specific values a serial record had at a certain moment in time.

## Item Attributes and Quality Control

### Performance Improvements

In SAQ 2.7, numerous fixes were made to improve system performance.

### Fixes

The following fixes have been made in this release.

QAD Issue	Summary
CRMFG-18766	Now, the QDoc "receiveInventory" allows attributes to be included in Excelerator and the new values will be displayed in the View Item Lots browse.  Previously, attributes in Excelerator were ignored.
CRMFG-16787	Now, the API for Receipts - Unplanned (3.9) can accept item attributes.  Previously, this API did not accept attributes.
CRMFG-18767	Now, the QDoc "bulkLoadQualityTestSpec" works with Excelerator and the attributes are linked to Test Spec.  Previously, the attributes were not loaded.

# Release Notes for Version 2.6.1

**Serialization, Item Attributes, Quality Control version:** 2.6.1

**QAD Enterprise Edition:** 2015 Enterprise Edition and 2016 Enterprise Edition

**.NET UI:** 3.1.0.75

**Release Date:** April 2017

**Prerequisites:** 2015/2016 EE release and .NET UI 3.1.0.75 installed

**User Guide:** *QAD Serialization User Guide* and *QAD Item Attributes and Quality Control User Guide*

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

## Upgrade Instructions

To upgrade to the latest version of QAD SAQ, upgrade one version at a time until you reach the current released version. For example, if you are using v2.3.1 and are upgrading to v2.6, first upgrade from v2.3.1 to v2.4, then upgrade from v2.4 to v2.5, and then upgrade from v2.5 to v2.6.

For all other installation information, see *QAD Serialization, Item Attributes, and Quality Control Installation Guide* for version 2.6.1.

## Serialization

### New and Enhanced Features

- Legal Documents Functionality Supported
- Logistics Accounting Functionality Supported
- Global Tax Functionality Supported
- DO Shipper Unconfirming Supported
- Container Charges Supported
- Enhancements for Physical Inventory
- Negative Inventory Enhancements

### Legal Documents Functionality Supported

The Legal Documents functionality is now supported in Serialization transactions. You can implement appropriate legal documents specific to your country when you use Serialization.

After a shipper is created either for sales orders or for distribution orders, the system automatically generates a legal document. As the shipper data updates with picking, pack building, weighing, and pack moves between shippers, the system updates the legal documents.

### Logistics Accounting Functionality Supported

The Logistics Accounting functionality is now supported in Serialization transactions. You can track outbound logistics charges for sales orders and distribution orders as the shipper data updates with picking, pack building, weighing, and pack moves between shippers.

**Note** Only apportion methods 1 and 2 are now supported in Serialization.

The Logistics Charges Detail frame has been added to the following functions for shippers:

- Pre-Shipper/Shipper Picking (7.8.1)
- Pre-Shipper/Shipper Pack Build (7.8.2)
- Shipping Data Maintenance (7.8.6)
- Move Pack Between (Pre-) Shippers (7.8.12)
- Pre-Shipper/Shipper Picking (12.9.1)
- Pre-Shipper/Shipper Pack Build (12.9.2)
- Shipping Data Maintenance (12.9.6)
- Move Pack Between (Pre-) Shippers (12.9.12)

### Global Tax Functionality Supported

The Global Tax functionality is now supported in Serialization transactions for distribution orders. You can implement GTM and specify tax data for distribution orders in different transactions. The system calculates and displays the tax amounts in the transaction trailer frame for your review.

The tax information frame and the tax amounts trailer frame have been added to the following functions:

- Pre-Shipper/Shipper Picking (12.9.1)
- Pre-Shipper/Shipper Pack Build (12.9.2)
- Shipping Data Maintenance (12.9.6)
- Move Pack Between (Pre-) Shippers (12.9.12)

### DO Shipper Unconfirming Supported

DO Shipper Unconfirming functionality is now supported in Serialization. You can use DO Pre-Shipper/Shipper Unconfirm (12.19.21) to unconfirm a shipper for DOs before truck loading.

### Container Charges Supported

Container charges can now be calculated in Serialization as in standard processing, by setting up a pack code and charge type for the container item. After a pre-shipper or shipper is confirmed, container charges are added to the orders. You can view the container charges in the generated invoice. When you unconfirm a shipper or return shipped goods, container charges are reversed accordingly.

### Enhancements for Physical Inventory

- Manual intervention is now not required for counted unexpected unit packs that meet both of the following conditions.
  - The stage of the counted unit pack is New, Pending, Inv Adj, Decommed, Consumed.
  - The unit pack only contains items of a single combination of item, lot, and reference.

After you run Inventory Balance Update by Pack (3.16.3.6), the system activates those pack serial IDs. For pending packs, during inventory balance update, the system also deletes the associated serial detail records.

- Manual intervention is now not required when Quantity on Hand is negative but non-serialized loose inventory is counted. After you run Inventory Balance Update by Pack (3.16.3.6), the system updates the inventory with the quantity counted.

- Untagged Inventory Tag Create

Untagged Inventory Tag Create (3.16.3.9) is a new function. Using this function, you can let the system automatically create bulk tags for all untagged inventory, both non-serialized inventory and serialized inventory. When you use this function, only bulk tags are considered in preparation for physical inventory for all inventory.

**Note** If a serialized pack or loose item is active and its serial detail record is linked to a DO shipper, the pack or item is in reality in transit. The system does not create tags for such items.

- Physical Inventory Variance browse

Different from Physical Inventory Counting Result browse collection, Physical Inventory Variance (3.16.19) is a new independent browse. The inventory data is retrieved independently of the existence or status of physical inventory tags. With this single new browse, you can make a quick analysis of the total impact of the physical counts before updating the inventory.

- During tag counting or recounting by pack, when no location detail record exists, the system now creates a record for either loose inventory or packaged inventory. For packs or serialized items, the system also links the created location detail records to the serial IDs.

### Negative Inventory Enhancements

When serialized items or packs exist in a site/location/lot/reference combination, loose inventory of the location detail now can be negative when overissue is allowed.

If, due to an inventory receipt or issue movement, negative loose quantity and positive packaged quantity balance each other out, the system now does not delete the location detail.

### Fixes

The following table describes Serialization fixes for this release.

QAD Ticket Number	Description
CRMFG-12928	Previously, Inventory Balance Update (3.16.21) incorrectly allowed you to update inventory for the site and location where serialized packs or items existed. Now, the system displays an error, so the update does not proceed.
CRMFG-16569	Previously, when you used Pending PO Shipper Unload (5.13.12.13) to receive a pack, the system did not generate an RCT-PO transaction. This issue has been fixed now.
CRMFG-16571	Previously, if you deleted a record and then tried to create a record without exiting the function, Serial ID Range Maintenance (13.14.19) did not work correctly. This issue has now been fixed.
CRMFG-16572	Previously, WO Component Issue by Pack (16.15.13) validated whether the entered serial IDs for components were linked to the same SO as the WO. This validation was incorrect and has now been removed.
CRMFG-16573	Previously, if you logged in as a European language user, in Truck Load (7.8.4) the lookup browse for the Serial ID field did not return any records. This issue has now been fixed.
CRMFG-16577	Previously in Pack Transfer (3.17.7), no error message was displayed when the To site/location/lot combination was the same as the From site/location/lot combination. Now in this scenario, the system displays an error, informing you of a null transfer.
CRMFG-16579, CRMFG-16627, and CRMFG-16626	Previously in the API mode, when an error popped up, Backflush Transaction (18.22.13) and Pack Receipt by Production Line (18.22.7.2) still processed transactions. This issue has now been fixed.
CRMFG-16581 and CRMFG-16590	Previously in the API mode, you could not use Backflush Transaction (18.22.13) or Pack Receipt by Production Line (18.22.7.2) to manually backflush the same component to different operations. This issue has now been fixed.
CRMFG-16614	After you create a new active release using Required Ship Schedule Update or Selective Req Ship Sched Update, serial IDs are now pegged to the active release.

CRMFG-16615	Previously, Pre-Shipper/Shipper Confirm (7.9.5) transactions did not roll back when the session was terminated. This issue has now been fixed.
CRMFG-16617	Performance issues in Pre-shipper/Shipper Workbench (7.9.2), Pre-Shipper/Shipper Inquiry (7.9.3), and Pre-Shipper/Shipper Confirm (7.9.5) have been fixed.
CRMFG-16618	Previously, the same serial ID could be incorrectly assigned to two different shippers. Now, this issue has been fixed. One serial ID can only be assigned to one shipper.
CRMFG-16619	Previously, when you used Pack Stage Change (3.17.10) to change the status of a Consumed Pack to Decommed, the system displayed a progress error. This issue has now been fixed.
CRMFG-16620	Previously, after you unconfirmed a shipper, updated Picked Quantity value was incorrect. This issue has now been fixed.
CRMFG-16621	An improper spacebar that results in errors has been removed from Pack Remove API.
CRMFG-16622	Previously, Cycle Recount Entry by Location (3.13.14) used default production line inventory account instead of using inventory account by site. Now, Cycle Recount Entry by Location uses inventory account by site, based on to Inventory Account Maintenance records.
CRMFG-16623	Previously, in Pack Receipt by Production Line (18.22.7.2), the system did not take item numbers into account when doing receipt transactions. This issue has now been fixed.
CRMFG-16625	Previously, when shipping an assembly pack that met both of the following conditions, the Begin Quantity and Quantity Change in the generated serial history records were incorrect: <ul style="list-style-type: none"> <li>• The items in the assembly pack have the same item/lot/reference combination, and</li> <li>• The assembly pack contains items not in a unit pack.</li> </ul> This issue has now been fixed.
CRMFG-16628	Previously, the CreatePackByPO API did not work properly when there were multiple item/lot/reference combinations. This issue has now been fixed.
CRMFG-17055	Legacy functions that delete location detail records without checking for active serialized packs have been modified. Now the system does not delete a location detail record that is linked to an active serialized pack.

# Item Attributes and Quality Control

## Performance Improvements

In SAQ 2.6.1, numerous fixes were made to improve system performance.

## Fixes

The following fixes have been made in this release.

QAD Issue	Summary
CRMFG-16574	<p>The following browse collections now show improved performance and correctly display the detail information in hybrid view even when attribute profile does not exist for the item:</p> <ul style="list-style-type: none"><li>• Maintain PO Line Profile</li><li>• Maintain SO Line Profile</li><li>• Maintain Work Order Profile</li><li>• Maintain CUM Order Profile</li></ul> <p>Previously in the above scenario, the performance was poor and the detail information was not displayed.</p>
CRMFG-16576	<p>The following functions now display the values for Confirming column when Profile Attributes are defined for the item:</p> <ul style="list-style-type: none"><li>• 1.15.40.12 Inventory Detail Browse (cabr018.p)</li><li>• 1.15.40.2 Allocations (cabr011.p)</li><li>• 1.15.40.3 Available to Allocate (cabr010.p)</li><li>• 1.15.40.9 Allocations (cabr025.p)</li><li>• 1.15.40.10 Available to Allocate (cabr026.p)</li></ul> <p>Previously, in the above scenario, no values were displayed.</p>
CRMFG-16578	<p>The following functions now display the correct profile attributes in the Profile Attribute tab when an attribute is created or modified for a PO Line and there are profile attributes for a different PO Line exists in the system:</p> <ul style="list-style-type: none"><li>• Maintain PO Line Profile</li><li>• Maintain SO Line Profile</li><li>• Maintain Work Order Profile</li><li>• Maintain Cum Order Profile</li><li>• Maintain BOM Component Profile</li></ul> <p>Previously, in the above scenario, the profile attributes of an existing PO line were displayed.</p>
CRMFG-16578	<p>The following functions now display the correct profile attributes in the Profile Attribute tab when an attribute is created or modified for a PO Line and there are profile attributes for a different PO Line exists in the system:</p> <ul style="list-style-type: none"><li>• Maintain PO Line Profile</li><li>• Maintain SO Line Profile</li><li>• Maintain Work Order Profile</li><li>• Maintain Cum Order Profile</li><li>• Maintain BOM Component Profile</li></ul> <p>Previously, in the above scenario, the profile attributes of an existing PO line were displayed.</p>
CRMFG-16570	<p>The following functions no longer create the additional Attribute Item Lot Master with site and location when receipts are done for an item with lot attributes:</p> <ul style="list-style-type: none"><li>• 3.9 Receipts - Unplanned (icunrc.p)</li><li>• 5.13.1 Purchase Order Receipts (poporc.p)</li><li>• 16.11 Work Order Receipt (woworc.p)</li></ul> <p>Previously, in the above scenario, it incorrectly created an additional Attribute Item Lot Master record with site and location.</p>

QAD Issue	Summary
CRMFG-16575	<p>The following browse collections now display the correct default value in Value column for a test specification attribute in Test Record Attributes browse when no value has been entered for the test attribute:</p> <ul style="list-style-type: none"> <li>• Maintain Quality Order for Purchasing</li> <li>• Maintain Quality Order</li> <li>• Maintain Quality Order for Production</li> <li>• Maintain Quality Order for SO Line</li> </ul> <p>Previously, in the above scenario, the incorrect value was displayed.</p>
CRMFG-16580	<p>5.13.14 PO Shipper Maintenance (rsshmt.p) and 5.13.13 PO Container Maintenance (rsctmt.p) now display the frame to accept Item attributes for consigned orders when Multi Entry is Yes. Previously in the above scenario, the item attributes could not be specified.</p>

## Release Notes for Version 2.6

**Serialization, Item Attributes, Quality Control version: 2.6**

**QAD Enterprise Edition:** 2015 Enterprise Edition

**.NET UI:** 3.1.0.75

**Release Date:** March 2016

**Prerequisites:** 2015 EE release and .NET UI 3.1.0.75 installed

**User Guide:** 2016 EE versions of the *QAD Serialization User Guide* and *QAD Item Attributes and Quality Control User Guide*

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

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For all other installation information, see *QAD Serialization, Item Attributes, and Quality Control Installation Guide* for version 2.6.

## Serialization

### New and Enhanced Features

- Multiple Items and Multiple Lots
- Receiving Loose Items into Active Unit Packs
- Flexibility in BOP Code
- Pack Build Enhancement
- Cycle Count Worksheet Print Enhancement
- Cycle Count Entry by Location Enhancement
- Serialized Inventory Report Enhancement

- PO Discrepancies Report Enhancement
- PO Receipt Packing Slip Inquiry Enhancement
- Shipping History Browse Collection Enhancement
- Lot/Serial Lookup Browse Enhancement

### Multiple Items and Multiple Lots

More functions in QAD Serialization have been enhanced to support these packs:

- A unit pack contains items of multiple combinations of item number, lot, and reference.
- An assembly pack contains items not in a unit pack.
- An assembly pack contains unit packs that hold items of multiple combinations of item number, lot, and reference.

You can now build, remove, decommission, transfer, and scrap those packs during packaging and inventory transactions. You can also ship out those packs for SOs and DOs, and process SO returns and DO outbound corrections of those packs. When QAD Label Printing Services is installed, the system can also print serial IDs of those packs. You can view serialization and inventory information of those packs through Serialization browses and reports.

These enhancements provide you with great flexibility and convenience in packaging goods according to specific needs. They save you from making additional efforts in building new packs for items not in a unit pack or items with different combinations of item number, lot, and reference. So with these enhancements, you can increase efficiency in material handling.

For functions that do not support those special packs, validations have been added to prevent you from entering invalid pack serial IDs.

The following table lists the functions that support special packaging structures and the functions with validations added.

**Table 1** Enhanced Functions for Multiple Items and Multiple Lots

<b>Functions that Support</b>	<b>Functions with Validations Added</b>
Pack Build	Pack Receipt Unplanned
Pack Remove	Pack Merge
Pack Decommission	Pack Split
Pack Transfer	Repackage
Pack Transfer-Multi Pack	Purchase Order Returns by Pack
Rep Picklist Transfer by Pack	Pack Receipt by WO
Inventory Scrap by Pack	WO Receipt Correction by Pack
Pack Issue Unplanned	Pack Receipt by Production Line
WO Component Issue by Pack	Rep Receipt Correction by Pack
Backflush Transactions	
WO Receipt Backflush by Pack	
Pre-Shipper/Shipper Picking	
Pre-Shipper/Shipper Pack Build	
Label Print by Serial ID	
Bulk Label Print	

## Receiving Loose Items into Active Unit Packs

The system now allows you to receive loose items into an active unit pack or a unit pack aggregated on an active master pack, using any of the following functions:

- Pack Receipt Unplanned
- Pack Receipt by WO
- Pack Receipt by Production Line

This new feature can improve material handling efficiency by saving effort in building additional packs or receiving stand-alone items.

## Flexibility in BOP Code

Now it is not necessary to have an associated BOP code defined before you use any of the following functions to create serial IDs:

- Pack Create by Pack Code
- Pack Create by WO
- Pack Create by Production Line
- Pack Create by PO/Shipper
- Work Order Serial Booking
- SO/RMA Serial Booking
- Pack Receipt by WO

When the system cannot find an associated BOP code as the default, you can manually enter a BOP code.

## Pack Build Enhancement

Pack Build now allows you to use a Decommed pack serial ID as the parent pack and build child packs or items into it.

**Note** If the child serial ID is booked for a master SO line, make sure that the specified Decommed pack is booked for the same master SO line.

## Cycle Count Worksheet Print Enhancement

In Cycle Count Worksheet Print, a new filter Print Serial ID was added. Setting this field to Yes enables you to print the serial hierarchy on the worksheet. Serial IDs are displayed on the worksheet by item and lot combination. If a pack holds multiple items of multiple lots, the pack serial ID is displayed for each item and lot combination.

## Cycle Count Entry by Location Enhancement

In Cycle Count Entry by Location, whether the counted inventory is out of tolerance is now determined based on the site, location, lot/serial, and reference combination. Previously, it was based on the site and location combination.

## Serialized Inventory Report Enhancement

In Serialized Inventory Report, a new filter criterion Display Inventory Attributes was added. Setting it to Yes enables you to view inventory attributes such as inventory status, expire date, grade, and assay in the report.

## PO Discrepancies Report Enhancement

Before the inbound goods are physically unloaded, you can now use PO Discrepancies Report to view ASN data.

## PO Receipt Packing Slip Inquiry Enhancement

After you confirm a packing slip using Pending PO Shipper Unload, you can use PO Receipt Packing Slip Inquiry to view the shipping data.

## Shipping History Browse Collection Enhancement

In Shipping History Browse Collection, value options in the Type column were changed.

Previous Value Options	Current Value Options
Sales Order	SO Shipper
Distribution Order	DO Shipper
Purchase Order	PO Shipper

## Lot/Serial Lookup Browse Enhancement

The Lot/Serial lookup browse in Serialization has been enhanced to avoid displaying redundant data. Now it only displays the inventory data of the specified site and location combination. Previously, the browse displayed inventory at all locations within the specified site.

The following lists the functions where the Lot/Serial lookup browse has been enhanced.

- Pack Build
- Pack Commission
- Pack Transfer with L/S Change
- Pack Transfer-Multi Pack
- Pack Receipt Unplanned
- Pending PO Shipper Unload
- Pack Receipt by WO
- PO Receipt Backflush by Pack
- PO Receipt Correction by Pack
- Work Component Issue by Pack
- WO Component Return by Pack
- Pack Receipt by Production Line
- Pre-Shipper/Shipper Picking

## Fixes

The following table describes Serialization fixes for this release.

<b>QAD Ticket Number</b>	<b>Description</b>
CRMFG-2213	Previously, after multiple users used Pre-Shipper/Shipper Picking to pick and transfer inventory, inventory was recorded in a wrong site. Now the system processes the transactions correctly.
CRMFG-11084	In Pending PO Shipper Unload, the incorrect warning message upon overshipment for scheduled POs has been corrected.
CRMFG-11087	Previously, in Pending PO Shipper Unload, when you entered a New child pack serial ID created by PO, the system reported that the New serial ID did not have a location. Now, this error has been fixed.
CRMFG-13881	Fixed an issue where Field Tax Usage (lgdd_tax_usage) and other tax parameters were not populated in the container legal document lines.
CRMFG-13885	Fixed an issue where the Shipment ASN Export screen froze.
CRMFG-13886	Fixed an issue in PO Shipper Maintenance where the incorrect amount was displayed in the Logistics Charges Detail frame.

# Item Attributes and Quality Control

## Performance Improvements

In SAQ 2.6, numerous fixes were made to improve system performance.

## Fixes

The following fixes have been made in this release.

QAD Issue	Summary
CRMFG- 11144, MFG-13921	Copied the logic to add attribute values for each of the serial numbers generated in sr_wkfl. Now, when using Unplanned Receipts (3.9 - icunrc.p) and selecting Yes when prompted to create a list of serial numbers, the default attribute values are assigned to the serial numbers, as they are when performing a PO Receipt for the same item.
CRMFG-10737	When creating a new attribute and you use NRM to assign the next available Attribute ID, Item Attribute Maintenance (1.15.1, caatmt.p) has been modified to skip over any existing attribute IDs. If the next available NRM-generated value is already assigned to an existing attribute, the system retrieves the next NRM number that is not already assigned to an Attribute record.  Previously, in the above scenario, the program would use the generated NRM record and change into maintenance mode.
CRMFG-10739	Fixed an issue where Quality Test Record Maint (19.3.12.1, qlqltrmt.p) was not able to assign a new Test Record ID when the requested auto-generated value already existed.
CRMFG-10740	Fixed an issue where Quality Order Results Maint (19.3.1, qltmt.p) was not able to assign a new Quality Order Number when the requested auto-generated value already existed.
CRMFG-10741	Fixed an issue where Certificate of Analysis Print (19.8.1, in .NetUI only) was not able to assign a new Certificate ID when the requested auto-generated value already existed. Fixed the code in ROP ('processCreateCOAdataset" inside 'qlcoaxr.p') to auto generate NRM sequence.
CRMFG-10921	Now, the Quality Order Attribute browse properly displays the result and order status associated with the selected record. Prior to this fix, the Result and Order Status fields were blank.
CRMFG-10944	Previously, Backflush Transaction (18.22.13, rebkfl.p) mistakenly displayed the Receipt Data Input frame when an item profile existed.  Now, Backflush Transaction and Move Transaction (18.22.19, remove.p) no longer display the Receipt Data Input frame when: <ul style="list-style-type: none"><li>• An item profile exists for the item being processed,</li><li>• the backflush operation is the final operation on the routing,</li><li>• the attribute Input Method is not User, and</li><li>• the Level is neither Lot, Sublot or Qty.</li></ul>
CRMFG-11186	When receipts are performed for an item with lot attributes, Receipts - Unplanned (3.9, icunrc.p), Purchase Order Receipts (5.13.1, poporc.p), and Work Order Receipt (16.11, woworc.p) no longer create the additional Attribute Item Lot Master with site and location.  Previously, in the above scenario, the system incorrectly created an additional Attribute Item Lot Master record with site and location.
CRMFG-11365	The 19.14 menu reference to catsspmt.p was removed to prevent a user from directly executing the subprogram from the user interface.  Previously, when a user executed Test Attribute Spec Maint (19.1.4, catsspmt.p), the system displayed a "Mismatched number of parameters" error. This error was displayed because the subprogram for Test Attribute Spec Maint (catsspmt.p) was on the same menu system as Test Attribute Spec Maint (19.1.4).
CRMFG-11712	When a Quality Order or Lot Attribute Order is to be created and the NRM Sequence has been exhausted, Purchase Order Receipts (5.13.1, poporc.p), Work Order Receipt (16.11, woworc.p), and PO Shipper Receipt (5.13.20 rspor.p) now display "WARNING: Quality Order not created. NRM Sequence exhausted." or "WARNING: Lot Attribute Order not created. NRM Sequence exhausted."  Previously, in the above scenario, no warning was displayed.

<b>QAD Issue</b>	<b>Summary</b>
CRMFG-12167	Fixed an issue where the Duplicate Inventory Transfer screen was displayed when transferring inventory during quality order close. Now, the system goes into API mode when calling mfaicon.p.
CRMFG-12288	Now, Work Order Maintenance (16.1, wowomt.p), Work Order Release/Print (16.6, woworl.p), and Multiple WO Release/Print (16.7, woworl01.p) create work order operation test records when: <ul style="list-style-type: none"> <li>• a test specification is linked to a routing operation,</li> <li>• the status is changed in Work Order Maintenance (16.1, wowomt.p) from E or A to R for discrete work order, and</li> <li>• the status is changed to R for scheduled order.</li> </ul> Previously, in the above scenario, a work order operation test record was not created.
CRMFG-12352	The View Item Attribute Usage collection now shows a new key, which is unique and does not conflict with other menu collections in different environments.  Previously, the keys for View Item Attribute Usage and Sales Management Center were identical and the View Item Attribute Usage menu collection was inaccessible in some environments.
CRMFG-13277	The following browse collections now display the Test Record Attributes (qlbr016.p) browse correctly: <ul style="list-style-type: none"> <li>• Maintain Quality Order</li> <li>• Maintain Quality Order for Production</li> <li>• Maintain Quality Order for Purchasing</li> <li>• Maintain Quality Order for SO Line</li> <li>• Maintain Work Order Op Test Record</li> <li>• Maintain CUM Order Op Test Record</li> </ul> Previously, the tab for the browse collections was not displayed.
CRMFG-13473	Quality Management functions are now provided under the QM Quality Management Menu (19.26).  Previously, the functions were also available under Quality Management Utilities (19.25) in QAD Applications.
CRMFG-13884	Now, when processing shipper receipts multiple times for multiple lines, PO Shipper Receipt (5.13.20, rsporc.p) no longer displays PROGRESS error "SYSTEM ERROR: Attempt to define too many indexes for area 6 database <xxxxxxxx>. (40) (14675)"
CRMFG-4344	When changing the level for an attribute from Lot to Item, Item Profile Attribute Maint (1.15.7.14, captgmt.p) now displays, "Input Method, Validation, Value Required will be disabled. OK?".  Previously, in the above scenario, the message displayed was "Input Method, Validation, Value Required set to no. Continue".
CRMFG-5043	Removed the Level column from the Test Record Attributes tab in: <ul style="list-style-type: none"> <li>• Maintain Quality Order</li> <li>• Maintain Quality Order for Purchasing</li> <li>• Maintain Quality Order for Production</li> <li>• Maintain Quality Order for SO Line</li> </ul> Previously, the Level column was confusing because it would change sometimes when test attributes were copied up to a quality order.
CRMFG-5696	The L_PT_LOT_SER field was removed from the Work Order Operation Backflush frame.  Previously, the L_PT_LOT_SER field was incorrectly displayed in the Work Order Receipts frame in Work Order Operation Backflush.
CRMFG-6275	Now, the Routing and Op lookups in Maintain Item Test Link (qlptxmt.p) and Maintain Test Item Link (qltstxmt.p) correctly display the routing and op values from the selected record.  Previously, in the above scenario, the lookups only returned either routing or op values but not both.
CRMFG-7048	The value in browses ql035, ql076, ql047, ql049, and ql051 did not display logical values in the Item Test Attribute Records, Edit Closed Quality Order, and Edit Closed Lot Attribute Order collections. The problem was fixed by changing the reference "5" to "logical" in local variables for each browse. The logical function in ql015 in Maintain Quality Order collection was longer needed and was removed.
CRMFG-7892	In the Sequence browse, Sequence Number Maintenance and Number Range Maintenance now link correctly and auto-populate with the selected field.  Previously, the two browse URLs linking the Sequence ID (nr_seqid) in browse nr001 (NRM Sequences) to Sequence Number Maintenance and Number Range Maintenance did not function properly.

QAD Issue	Summary
CRMFG-8552,	The Transaction Attributes Browse (catratbr.p) in the View Item Lot browse collection now displays the sequence correctly for the attributes that are not entered during PO receipts. Previously, in the above scenario, the sequence was displayed as zero.
CRMFG-9162	The Copy Attributes field was removed from the Item Customer Profile Maintenance and Item Supplier Profile Maintenance programs because the Next/Previous functions, which maintain many profiles, performed poorly in hybrid view and did not show records without an attribute profile.
CRMFG-9431	Fixed an issue where the Source tab label was Quality Order in all collections even though some were Lot Attribute orders.
CRMFG-9784	On the Certificate of Analysis, fixed the Units column width because it was being truncated.
CRMFG-9888	The UM label on Lot Attribute Order Report and Quality Order Report was changed to Units.
CRMFG-9928	The following collections now correctly update the existing Attribute Profile master record when the record with same key values is created simultaneously in another session: <ul style="list-style-type: none"> <li>• Maintain Item Profile</li> <li>• Maintain Item Customer Profile</li> <li>• Maintain Item Supplier Profile</li> <li>• Maintain SO Line Profile</li> <li>• Maintain PO Line Profile</li> <li>• Maintain BOM Component Profile</li> <li>• Maintain WO Component Profile</li> <li>• Maintain WO Profile</li> <li>• Maintain CUM order Profile</li> </ul>

## Release Notes for Version 2.5

**Serialization, Item Attributes, Quality Control version: 2.5**

**QAD Enterprise Edition:** 2015 Enterprise Edition

**.NET UI:** 3.1.0.75

**Release Date:** August 2015

**Prerequisites:** 2015 EE release and .NET UI 3.1.0.75 installed

**User Guide:** *QAD Serialization User Guide* and *QAD Item Attributes and Quality Control User Guide*

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

**Note** For SAQ 2.5, English is fully supported. For all other languages other than English, the majority of the fields and messages are supported with a few minor exceptions. Any untranslated strings will be targeted for the next package release cycle.

## Upgrade Instructions

To upgrade to the latest version of QAD SAQ, upgrade one version at a time until you reach the current released version. For example, if you are using v2.3 and are upgrading to v2.5, first upgrade from v2.3 to v2.3.1, then upgrade from v2.3.1 to v2.4, and then upgrade from v2.4 to v2.5.

For all other installation information, see *QAD Serialization, Item Attributes, and Quality Control Installation Guide*.

# Serialization

## New and Enhanced Features

- Enhancements for DO Shipping
- Pack Merge
- Pack Split
- Repackage
- Enhancements for Pack-Creating Functions
- Pack Stage Change Enhancement
- Enhancements for Cycle Counting and Physical Inventory
- Pending PO Shipper Unload Enhancement
- DO Receipt by Pack Enhancement
- Default Values Newly Provided
- Enhancements for SO Picking
- Truck Load Enhancement
- Serial Hierarchy Inquiry Enhancement
- New Validations for Closing or Deleting WOs and POs
- Picklist/Pre-Shipper–Automatic Enhancement
- Standard Function Enhancements for Serialization
- Shipping Group Functionality Integrated into Serialization
- CM Enhancements for Serialization

## Enhancements for DO Shipping

Pre-Shipper/Shipper Pack Build now provides new functionality that allows you to do any of the following:

- Pack items of a different combination of item, lot, and reference into a picked unit pack that is linked to a DO pre-shipper/shipper.
- Pack loose items directly into a picked assembly pack that is linked to a DO pre-shipper/shipper, instead of first packing them into a unit pack and then packing the unit pack into the assembly pack.
- Pick non-serialized loose inventory without a package for a DO pre-shipper/shipper.

## Pack Merge

Pack Merge (3.17.15) is a new function. Using Pack Merge, you can combine the content of two packs together. By specifying the From serial ID and the To serial ID, you move the content of the From serial ID to the pack of the To serial ID. After the packs are merged, the stage of the From pack becomes *Decommed*. All content of the From pack becomes the content of the To pack.

The From serial ID can also be an item serial ID. In this situation, after merging, the From serial ID becomes *Aggregated* on the To serial ID.

## Pack Split

Pack Split (3.17.16) is a new function. Using this function, you can remove all or partial inventory from an original pack and then build it into a destination pack. Optionally, you can let the removed serial IDs or inventory become *Active* packs or items, or loose inventory.

## Repackage

Repackage (3.17.17) is a new function. Using this function, you can repackage inventory that is stored in an *Active* unit pack. By repackaging, you move all or partial inventory out of the unit pack, and then build all or part of the repackaged quantity into newly generated packs.

## Enhancements for Pack-Creating Functions

In the following pack-creating functions, when you enter a UM in Pack Data frame, you can only enter the UM of the specified item or a UM of existing pack codes:

- Pack Create by Pack Code
- Pack Create by PO/Shipper
- Pack Create by Production Line
- Pack Create by WO

Pack Create by PO/Shipper has been enhanced to allow you to enter a packing slip number when there is no PO shipper.

## Pack Stage Change Enhancement

In Pack Stage Change, validation against item number was added. You now cannot change the serial ID stage to *New* when the related item number does not exist.

When a *Consumed* pack is not linked with a shipper, Pack Stage Change and Multiple Pack Stage Change now do not allow you to change its stage to *Inv Adjusted*.

## Enhancements for Cycle Counting and Physical Inventory

When you use any of the following functions to count a serial ID that is linked with a returning pre-shipper or shipper, the system now does not activate it. Instead, the system requires manual intervention. The cause is set to *Invalid Stage* in the report.

- Cycle Count Entry by Location
- Cycle Recount Entry by Location
- Inventory Balance Update

## Pending PO Shipper Unload Enhancement

In Pending PO Shipper Unload, the Site label in the header frame was changed to Ship-to ID. When you specify a PO line in the PO frame, the PO line is required to have the same Ship-to ID as the one in the header frame.

A new field Supplier Lot was also added in the Inventory Data frame. This feature enables you to record supplier lot during inventory receipt. The system stores supplier lot numbers in transaction history and you can view them in reports, such as Lot Where-Used Inquiry.

## DO Receipt by Pack Enhancement

In DO Receipt by Pack, when you remove an *Aggregated* item serial ID in the receiving list, the system now validates whether its parent pack is picked for multiple DO requests. If Yes, the system prompts you to remove its parent pack from the receiving list first.

## Default Values Newly Provided

In the following functions, when you enter a *New* serial ID of a unit pack, the system now provides a default value for inventory quantity in the Inventory Data frame. This value defaults from predefined pack quantity when you create the pack serial ID.

- Pending PO Shipper Unload
- Pack Receipt Unplanned
- Pack Receipt by WO
- Pack Receipt by Production Line

## Enhancements for SO Picking

If you want to pick serial IDs for an SO line that has a master SO line, you can only pick serial IDs that are booked for its master SO line. You cannot assign other serial IDs to this SO line by using:

- Pre-Shipper/Shipper Picking
- Pre-Shipper/Shipper Pack Build
- Pre-Shipper/Shipper Workbench

## Truck Load Enhancement

Truck Load has been enhanced to prevent you from entering a serial ID that is attached to a returning pre-shipper or shipper.

## Serial Hierarchy Inquiry Enhancement

In Serial Hierarchy Inquiry, when a serial ID is linked with a WO, production line, or DO, the system now displays corresponding order information.

## New Validations for Closing or Deleting WOs and POs

You now cannot close a WO that is linked with *Pending* serial IDs.

You now cannot delete or close a PO or PO line that is linked with *Pending* serial IDs.

You now cannot delete or close a PO or PO line that has negative quantity and is also linked with *Picked* serial IDs.

## Picklist/Pre-Shipper–Automatic Enhancement

When you use Picklist/Pre-Shipper–Automatic, the generated picklist or pre-shipper now displays suggested number of packs for you to pick, based on the related packaging structure.

## Standard Function Enhancements for Serialization

You now cannot use the following standard functions for serialized items. When you enter a serialized item in any of those functions, the system prompts you to use corresponding Serialization functions.

- Item Tag Create
- Item Tag Count Entry
- Item Tag Recount Entry
- Purchase Order Receipts

## Shipping Group Functionality Integrated into Serialization

The shipping group functionality now has been integrated into the Pre-Shipper/Shipper Picking and Pre-Shipper/Shipper Pack Build functions.

## CM Enhancements for Serialization

### Shipment of Serialized Items with Alternate UM

The Customer Management module now supports shipping, receiving, and returning orders with serialized items and packs on stocking unit of measure (UM) even though the alternate UM is used in the original orders.

The supported functionalities are as follows:

- Sales order shipments, return, and correction
- RMA serial booking, maintenance, shipment, and receipt
- Material order shipment and return

### Serialization Information on Shipping Documents

- When a sales order contains serialized packs or items, the pack code, number of serialized packs, and number of loose items are printed on the packing list.
- On a pre-shipper or a shipper containing serialized packs or items, the following information is printed:
  - Serial IDs of packs
  - Serial IDs of items
  - Number of unpicked items for not-fully picked orders
- The invoice print and preview functions print and display the item serial IDs when Print Lot/Serial Numbers Shipped is selected.
- If Print Correction Invoice is selected, the related serial IDs are also printed in the Before Correction and After Correction areas on the invoice.

### Multi-Lots and Multi-Items

Sales Order Shipments and RMA Receipts now support returns of the following combinations:

- A unit pack containing different items, items with different lot numbers, and both
- A unit pack containing loose items shipped against a single sales order line

## Fixes

The following table describes Serialization fixes for this release.

QAD Ticket Number	Description
CRMFG-9028	When item serial IDs are returned to the production line by Rep Receipt Correction by Pack, now the system keeps their site information and removes their location information. Previously, the system could not update their site and location information correctly.
CRMFG-9048	Previously, after you confirmed an SO/DO pre-shipper or shipper, the system did not set the value of Qty Allocated to zero for the inventory location detail. Now, this defect has been fixed.
CRMFG-9163	Performance issues of the Pre-shipper/Shipper Truck Load browse have been fixed.
CRMFG-9198	Previously, when you used Work Order Receipt Backflush to issue a non-serialized component that has no serialized packs linked to the specified location detail, the system applied a wrong validation. Now, this defect has been fixed.
CRMFG-9531	Previously, serialized components could be incorrectly issued with the Backflush Transaction function. Now, this defect has been fixed.
CRMFG-9614	Previously, the output report of Label Print Status Update only listed master serial IDs within the specified selection range. Now, all serial IDs within the selection range are displayed in the output report.
CRMFG-10001	The warning message <code>No enough serial IDs booked</code> was changed to <code>Not enough serial IDs booked</code> for the following functions: <ul style="list-style-type: none"><li>• Work Order Maintenance</li><li>• Work Order Release/Print</li><li>• Multiple WO Release/Print</li><li>• Multiple WO Status Change</li></ul>
CRMFG-10342	In the Receipts–Unplanned function, an invalid validation for non-serialized inventory receipts through multiple entries was removed.
CRMFG-10349	Previously, in Packaging Structure Maintenance, when you pressed F1 in the Level field to view field help, the system incorrectly displayed an error message. Now, this defect has been fixed.
CRMFG-10430	A progress error in Pack Build has been fixed.
CRMFG-10584	Previously, for Serialization processing, after you confirmed a DO shipper, the system did not link correct transaction numbers to serial history records. Now, this issue has been fixed.
CRMFG-10774	In Pre-Shipper/Shipper Pack Build, the system now prevents you from removing an aggregated item serial ID by entering it in the child frame. Previously, it was erroneously allowed in the system.
CRMFG-10796	Previously in Label Print by Serial ID, the system had a problem in refreshing some fields. Now, this problem has been fixed.
CRMFG-10815	Previously, Bulk Label Print did not print child serial IDs of master packs. Now, child serial IDs are also printed.
CRMFG-10835	Previously in Pre-Shipper/Shipper Picking, you could not pick an assembly pack that had different items in different unit packs. Now, this issue has been fixed.
CRMFG-10846	A display issue in Packaging Structure Maintenance has been fixed.
CRMFG-10895, CRMFG-10902, and CRMFG-10905,	Previously, DO Receipt by Pack displayed incorrect messages under various circumstances. Now, these issues have been fixed and DO Receipt by Pack works properly.
CRMFG-11023	Previously, the output report of Label Print Status Update did not display order information in the right format. Now, this issue has been fixed.
CRMFG-11053	Previously in Pack Code Maintenance, when you put the cursor in the Pack Code field and pressed the Up or Down arrow key, phantom pack codes were not skipped. Now, in that scenario, you do not see phantom pack codes.
CRMFG-11206	Previously, inventory status changes could result in the loss of links to serial master records. Now, this issue has been fixed.
CRMFG-11209	An issue with Pack Build API has been fixed.

# Item Attributes and Quality Control

## New Feature Summary

### Electronic Signatures

In SAQ 2.5, e-signature functionality has been developed for quality control functions to support FDA compliance. This functionality is designed for life sciences customers with QAD ERP Quality Control to support electronic records compliance for hybrid situations. Hybrid situations include combinations of paper records (or other non-electronic media) and electronic records, paper records and electronic signatures, or handwritten signatures executed to electronic records.

**Note** An FDA regulation allows for the replacement of handwritten signatures with signatures executed electronically. Instead of having handwritten signatures on documentation, FDA regulations allow for the placement of signatures within the application.

### Integration APIs

In SAQ 2.5, integration APIs have been developed for the new quality control and item attributes modules. The APIs are for any QAD industry segment that wants to process:

- Quality record data processed through QAD Automated Solutions
- Quality record data from MES/line management systems
- Lot attribute data for receipts from advanced repetitive, work orders, and PO shippers

The integration APIs have been expanded to include:

- Lot attribute orders and quality orders
- Test records for quality orders and work-in-process operations
- Receipt processes for recording attribute values for lots received

### Enhancements

The following enhancements have been made in this release.

QAD Issue	Summary
CRMFG-9887	When printing the Certificate of Analysis with Update = True, prompt for and process e-signature record.
CRMFG-9334	Develop a new API to create or modify quality order header/comments and attribute data.
CRMFG-9054	When changing the status of a test specification to 'Released' or 'Obsolete', prompt for and process e-signature record.
CRMFG-9053	When changing the status of a work order operation test record to Approve Pending, Closed, or Canceled, prompt for and process e-signature record.
CRMFG-9052	When changing the status of a quality order to Approve Pending, Closed, or Canceled, prompt for and process e-signature record.
CRMFG-9051	When changing the status of a quality order test record to Approve Pending, Closed, or Canceled, prompt for and process e-signature record.
CRMFG-2695	Develop a new API to create or modify a quality order test record and to create or modify test attributes for the test record.
CRMFG-2693	Develop a new API to create or modify a work order operation test record and to create or modify test attributes for the test record.
CRMFG-11097	When changing the lot attribute or quality order status to 'Closed', prompt- for e-signature before presenting the user interface to transfer inventory.

<b>QAD Issue</b>	<b>Summary</b>
CRMFG-11033	Enable API for quality order test record to accept blank value for test result.
CRMFG-10759	As a security and compliance administrator, I can configure e-signatures for the Quality Order Test Record.
CRMFG-10688	Adapt the API to create or modify quality order header to work with 2015 EE and QAD QMS integration for CAPA/NCR.
CRMFG-10542	Develop a new API to create or modify an advanced repetitive CUM order operation test record and to create or modify test attributes for the test record.
CRMFG-10541	Develop a new API to create or modify lot attribute order header and attribute data.
CRMFG-10276	Update the PO Shipper Maintenance API to accept input of lot attribute data.
CRMFG-10275	Update work order receipt backflush API to accept input of lot attribute data.
CRMFG-10118	View e-signature record for printed certificates of analysis.
CRMFG-10117	View e-signature record for test specifications with status Released and Obsolete.
CRMFG-10116	View e-signature record for lot attribute orders with status Approve Pending, Closed, or Canceled.
CRMFG-10115	View e-signature record for quality orders with status Approve Pending, Closed, or Canceled.
CRMFG-10114	View e-signature record for quality control test records with status Approve Pending, Closed, or Canceled.
CRMFG-10113	When changing the status of a lot attribute order to Approve Pending, Closed, or Canceled, prompt for and process e-signature record.
CRMFG-10112	When changing the status of a CUM order operation test record to Approve Pending, Closed, or Canceled, prompt for and process e-signature record.
CRMFG-10108	Update advanced repetitive receipt API to accept input of lot attribute data.
CRMFG-10107	Update work order receipt API to accept input of lot attribute data.

