

QAD Enterprise Applications 2010.1 Enterprise Edition Release Notes

September 2010

QAD Enterprise Applications 2010.1 – Enterprise Edition (QAD 2010.1 Enterprise Edition, or QAD 2010.1 EE) includes a number of new features added between February 24, 2010, and August 31, 2010.

This document describes changes in the following areas:

- Enhancements with Potential Compliance Impacts
- Financial Updates
- Operational Updates
- Security and Controls Updates
- System Administration Updates
- Reporting Framework Updates
- Installation and Conversion Updates

Note QAD 2010.1 Enterprise Edition is supported by the new version 2.9.2 of the QAD .NET User Interface, which offers numerous new features and enhancements. For details, see *QAD .NET User Interface Release Notes*.

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 56 for information.

Enhancements with Potential Compliance Impacts

Product changes sometimes can affect the activities of customers in regulated environments. These companies may need to comply with Current Good Manufacturing Practices (cGMP), requirements of the Sarbanes-Oxley Act (SOX), regulations related to security-related aspects of the product’s System Administration functions, and so on. Implementing changes in Enterprise Edition may require them to revalidate some of their processes and procedures, either internally or based on external guidance.

You should consider specifically reviewing some new features (shown in the following tables).

Important This document is limited to summaries of new product features. For in-depth descriptions of individual fixes within the release that may impact functionality on lower levels, please consult the ECO listings for this release on support.qad.com.

Table 1
Software Enhancements With cGMP Impact

Area	Feature Change
“Segregation of Duties” on page 41	You can now prevent a single user from performing two or more phases of a transaction or operation, based on company-specified definitions of mutually exclusive menu functions. <i>cGMP impacts:</i> Financial and inventory transactions.
“Support for International Legal Document Requirements” on page 26	Additional fiscal document receiving and confirming features include the ability to effectively record fiscal document information and have the system automatically verify the physical amount against the amount described on the fiscal document. <i>cGMP impacts:</i> Financial and inventory transactions; purchasing; consignment.
“Additional GL Numbering” on page 11	You can now generate a secondary numbering sequence at the entity level for GL transactions to provide an alternative reference number for use in countries where local GAAP constraints require that GL posting numbering be sequential, without any gaps. <i>cGMP impacts:</i> System control files (Entity).
“Open Item Netting Across Business Relations” on page 16	New netting settings in the entity record let you control the level of flexibility provided in Open Item Adjustment Create for the netting of transactions. In addition, a new customer/supplier compensation setting at entity level controls whether you can net credits and debits for customers and suppliers that belong to the same business relation. <i>cGMP impacts:</i> System control files (Entity).
“Suspended and Delayed Tax” on page 19	The new Taxes tab in the entity record contains two new suspended and delayed taxes fields: Suspend Until Paid Status and Delay Until Paid Status. <i>cGMP impacts:</i> System control files (Entity).
“System Administration Updates” on page 45	The release includes a number of system administration enhancements, including the ability to specify time zones for individual domains, instead of at the database level. <i>cGMP impacts:</i> System control files (Domain).

Table 2
Software Enhancements With SOX Impact

Area	Feature Change
“Changes to Posting Grid for GL Open Item Accounts” on page 4	When creating open item journal entries in Journal Entry Create, you now have the option to save the open item without allocating by selecting the Allocate Later option. GL open item transactions can now be posted to transient layers. This behavior also applies in the screens where you can specify GL open item accounts for transactions.
“GL Open Item Reconciliation” on page 5	A new GL Open Item Reconciliation function lets you reconcile the outstanding balance of a GL open item account with the underlying transaction details. After matching debit transactions with credit transactions, the remaining unmatched transactions reflect the true account balance. If you change a standard GL account to an Open Item GL account and the account already has transactions posted to it, use the new GL Open Item Initialization function to reconcile the transactions automatically.
“Fixed Assets Updates” on page 6	Fixed Assets updates include: • A new option in the Depreciation Books frame of Fixed Asset Maintenance that lets you adjust the salvage value of an asset. • A new Posting Book Daybook Maintenance function, which lets you define the daybooks to which the system posts GL transactions that result from fixed asset movements for primary and secondary posting books. • Two new fields in Fixed Asset Control. Post to GL lets you specify a default value for the Post to GL field in Fixed Asset Maintenance. Post FA Acquisition in FA Maintenance controls how fixed asset acquisitions are posted: using Journal Entry Create or using Fixed Asset Maintenance. • Several new browses and collections.
“Invoice Numbering” on page 8	The domain record now includes a new Invoice Numbering tab, which lets you enable consecutive and chronological invoice numbering. If you do not enable these numbering options, standard invoice numbering without numbering checks applies. For standard, consecutive, and chronological invoice numbering, invoices are numbered by entity, year, GL period, and daybook.

Table 2 — Software Enhancements With SOX Impact (1 of 3)

Area	Feature Change
“Tax ID Validation” on page 10	You can now use non-intrusive customization to implement the validation of federal and state tax IDs according to the requirements of your local tax authority.
“ERS and Legal Documents” on page 10	If the new fiscal receiving feature is activated by selecting the Fiscal Confirm Required field in Purchasing Control, ERS lets you create matched supplier invoices and credit notes or invoice corrections using fiscal receipts (legal documents), and not PO receipts. (See “Fiscal Receiving Updates” on page 26 for more information.) To support the new functionality, the ERS Processor now contains two tabs: By Receiver and By Legal Document—only one of which ever displays at one time, based on the setting of Fiscal Confirm Required.
“Additional GL Numbering” on page 11	You can now generate a secondary numbering sequence at the entity level for GL transactions to provide an alternative reference number for use in countries where local GAAP constraints require that GL posting numbering be sequential, without any gaps.
“Second Description” on page 13	Daybook records now include a new Second Description field to specify an additional description for the types of transactions posted to the daybook. You can display this description on the GL Numbering report and the GL Transactions by Account report. Another Second Description field lets you specify a plain, easily understood additional description when creating a journal entry.
“Bank File Processing” on page 15	The release includes several enhancements related to bank file processing: • The bank import process now supports partial customer payments. • The new Batch Number field in the Process Incoming Bank Files grid displays the lock box batch ID of the imported transactions. • Process Incoming Bank Files can now allocate payment against multiple open items (invoices and credit notes) using a single payment transaction. • The new Imported Bank File report displays details on the status and allocation of imported bank files, and can be used for audit purposes. • The standard matching logic from Process Incoming Bank Files is now exposed and available to customize using non-intrusive customization.
“Open Item Netting Across Business Relations” on page 16	New netting settings in the entity record let you control the level of flexibility provided in Open Item Adjustment Create for the netting of transactions. In addition, a new customer/supplier compensation setting at entity level controls whether you can net credits and debits for customers and suppliers that belong to the same business relation.
“Daybook Security” on page 17	You can now link a role to a specific daybook so that only users with that role can create and modify transactions posted to that daybook.
“Suspended and Delayed Tax” on page 19	The new Taxes tab in the entity record contains two new suspended and delayed taxes fields: Suspend Until Paid Status and Delay Until Paid Status.
“Banking Entry for Staged Payments” on page 22	In Banking Entry, you can now allocate payment to invoices with staged payment terms using two different approaches. You can apply the payment at the invoice level, and the payment and allocation values are rolled down to the staged payment, or you can apply the payment to the staged payments and the payment, allocation, and discount amounts are rolled up to the invoice line.
“Fixed Due Dates for Credit Terms” on page 24	You can now create credit terms with fixed due dates using Credit Terms Create. Fixed due dates are not calculated based in the invoice date. For example, if a credit term has a fixed due date of February 1, and an invoice for which that due date applies is created on February 15, the invoice due date is still fixed as February 1. You can also create staged credit terms with fixed due dates.
“Check Print Reports Migrated to ComponentOne” on page 24	The Customer Check Print and Supplier Check Print reports have been migrated from Crystal reports to the ComponentOne reporting framework.
“Revaluation” on page 24	You can now revalue tax accounts. When configuring the revaluation settings for a tax account, it is mandatory that you specify a revaluation GL account for the tax account in the Currency tab of the GL account record. The results for the revaluation of tax accounts are posted to the Revaluation GL daybook.

Table 2 — Software Enhancements With SOX Impact (2 of 3)

Area	Feature Change
“Periodic Costing” on page 28	This release includes additional functionality to address global requirements in costing and inventory valuation. Periodic costing programs optionally calculate the FIFO, WAVG or LIFO cost of an item based on recorded data, such as inventory transactions, BOMs, routings, purchase prices, and labor/burden expenses, over a certain user-defined period—up to an entire GL period. Costs are recalculated for each period, and a new average cost is defined according to what happened during that period—so no amounts need to be posted to variance accounts.
“Segregation of Duties” on page 41	You can now prevent a single user from performing two or more phases of a transaction or operation, based on company-specified definitions of mutually exclusive menu functions.
“System Administration Updates” on page 45	The release includes a number of system administration enhancements, including the ability to specify time zones for individual domains, instead of at the database level.

Table 2 — *Software Enhancements With SOX Impact* (3 of 3)

Financial Updates

This release updates Enterprise Financials in several areas, improving the product both in core Financials functions and in supporting the requirements of international customers. The following topics summarize the key enhancements.

Changes to Posting Grid for GL Open Item Accounts

When creating open item journal entries in Journal Entry Create, you now have the option to save the open item without allocating by selecting the Allocate Later option. GL open item transactions can now be posted to transient layers.

This behavior also applies in the following screens where you can specify GL open item accounts for transactions:

- Banking Entry Create—Allocate and Banking Entry Allocate
- Open Item Adjustment Create
- Receiver Matching Create and Receiver Matching Modify
- Supplier Invoice Create and Supplier Invoice Modify
- Customer Invoice Create
- Recurring Entry Post
- Journal Entry Reverse
- Reversing Journal Create
- Petty Cash Create—Allocate and Petty Cash Allocate

Modified Programs

Table 3 lists the modified programs for the allocation of GL open items.

Table 3
Modified Programs for the Allocation of GL Open Items

Menu	Label	Program
25.13.1.1	Journal Entry Create	BJournalEntry.Create
25.13.1.5	Journal Entry Reverse	BJournalEntry.Reverse
25.13.1.11	Journal Entry Transient Create	BJournalEntry.TransientCreate
25.13.1.12	Journal Entry Transient Modify	BJournalEntry.TransientModify
25.13.1.13	Journal Entry Transient Reverse	BJournalEntry.TransientReverse

Menu	Label	Program
25.13.1.14	Reversing Journal Create	BJournalEntry.AutoReversalCreate
25.13.4.5	Recurring Entry Post	BRecurringEntry.Execute Postings
25.13.5	Open Item Adjustment Create	BOpenItemAdjustment.Create
27.1.1.1	Customer Invoice Create	BDInvoice.Create
27.1.1.2	Customer Invoice Modify	BDInvoice.Modify
28.1.1.1	Supplier Invoice Create	BCInvoice.Create
28.1.1.2	Supplier Invoice Modify	BCInvoice.Modify
28.2.1	Receiver Matching Create	BAPMatching.Create
28.2.2	Receiver Matching Modify	BAPMatching.Modify
31.1.1	Banking Entry Create	BBankEntry.Create
31.1.5	Banking Entry Allocate	BBankEntry.Allocate
31.2.1	Petty Cash Create	BCashBox.Create
31.2.5	Petty Cash Allocate	BCashBox.Allocate

GL Open Item Reconciliation

Use GL Open Item Reconciliation (25.15.2.13) to reconcile the outstanding balance of a GL open item account with the underlying transaction details. The outstanding balance is the sum of unmatched transactions. After matching debit transactions with credit transactions, the remaining unmatched transactions reflect the true account balance.

For GL open item accounts, the system tracks matched and unmatched items in a GL open item sub-ledger. The identifier used to mark and link related transactions is called an allocation key. Through the use of allocation keys in GL Open Item Reconciliation, debit and credit transactions can be matched and reconciled.

You specify allocation keys when creating the postings on GL open item accounts using Journal Entry Create, and in other system functions where you can enter transaction on GL open item accounts. When creating open item postings, the transactions can be created with one of three statuses:

- Link to Open Item, whereby the movement is linked to an existing allocation key.
- New Open Item, where a new allocation key is assigned to the movement.
- Allocate Later, where the user chooses not to allocate the open item and a normal GL movement is created, without an allocation key.

You can select one or more lines from the grid in GL Open Item Reconciliation and allocate them to a new open item or you can match items by linking them to an existing allocation key. In addition, you can deallocate allocated transactions by resetting their statuses to Allocate Later.

You can view the outstanding balance of open items by selecting the items in the grid.

For all transactions displayed in the grid, you can drill-down and view the source transactions. You can also view GL open items and their allocation statuses using a report and a number of views. The GL Open Item report indicates whether GL open items are allocated or unallocated.

The GL Transactions View Extended (25.15.2.10) includes an Allocated search criteria that lets you search for allocated or unallocated GL open item transactions. For allocated transactions, the allocation key is also displayed in the view. The GL Transactions View Extended (25.15.2.10) and the GL Transactions View (25.15.2.1) also let you drill-down to view the underlying GL open item transactions.

GL Open Item Initialization

If you change a standard GL account to an Open Item GL account and the account already has transactions posted to it, you can use GL Open Item Initialization (25.15.2.12) to reconcile the transactions automatically. This function accommodates situations where there was prior uncertainty over which accounts required the use of GL open items.

When you convert a standard account to a GL open item account, all existing transactions on the account are assigned the default allocation value of Allocate Later.

When you run GL Open Item Initialization, the system gathers all transactions for the specified converted open items account, reconciles any transactions that can be reconciled, and creates a closing and an opening transaction for the account.

The closing transaction is automatically assigned the allocation key you specify in GL Open Item Initialization. The same key is also assigned to all unallocated transactions on the account, linking the historical transactions in one step. This prevents the older unmatched transactions on the account from being continuously listed as unallocated in GL Open Item Reconciliation or in the GL Open Item report.

New and Modified Programs

New Programs

Table 4 lists the new programs for GL Open Item Reconciliation.

Table 4
New Programs for GL Open Item Reconciliation

Menu	Label	Program
25.15.2.12	GL Open Item Initialization	BGLOpenItemProcessor.Initialization
25.15.2.13	GL Open Item Reconciliation	BGLOpenItemProcessor.Reconciliation

Modified Programs

Table 5 lists the modified programs for GL Open Item Reconciliation.

Table 5
Modified Programs for GL Open Item Reconciliation

Menu	Label	Program
25.15.1.8	GL Open Item Report	BGLReport.GLOpenItems
25.15.2.1	GL Transactions View	BGL.GLGOTOPostingLineSelect
25.15.2.10	GL Transactions View Extended	BGL.GLGOTOPostingLineSelectExt

Fixed Assets Updates

Salvage Value Adjustment

A new option in the Depreciation Books frame of Fixed Asset Maintenance lets you adjust the salvage value of an asset. The system uses the basis minus the new salvage as the new basis for recalculating the depreciation schedule for the life of the asset.

You can only adjust the salvage value if the depreciation method allows the use of salvage.

Posting Book Daybook Maintenance

Fixed Assets includes a new Posting Book Daybook Maintenance (32.9) function, which lets you define the daybooks to which the system posts GL transactions that result from fixed asset movements for primary and secondary posting books.

GL transactions for fixed asset movements on primary posting books must be posted to daybooks in the official layer, and GL transactions for fixed asset movements on secondary posting books must be posted to daybooks in the management layer.

Fixed Asset Control

Fixed Asset Control includes two new fields: Post to GL and Post FA Acquisition in FA Maintenance.

The Post to GL field lets you specify a default value for the Post to GL field in Fixed Asset Maintenance. You can update the value that defaults in Fixed Asset Maintenance. This field ensures that you can easily post a transaction to the GL whenever you maintain a fixed asset using Fixed Asset Maintenance. However, when you select the Post to GL field and generate a GL transaction, the system no longer displays the Post to GL frame when you subsequently access Fixed Asset Maintenance to maintain the fixed asset. This option prevents you from accidentally posting the fixed asset GL transaction twice. The Post to GL default setting also applies to fixed assets created in Fixed Asset Batch Maintenance and subsequently maintained in Fixed Asset Maintenance.

The Post FA Acquisition in FA Maintenance field lets you specify an option for posting fixed asset acquisitions. There are two options for posting acquisitions: using Journal Entry Create (25.13.1.1) or using Fixed Asset Maintenance. Set this field to Yes if you want to ensure that fixed asset acquisitions are always posted using Fixed Asset Maintenance. If you specify Yes, the Post to GL frame always displays in Fixed Asset Maintenance until you post fixed asset acquisitions. If this field is set to No, the Post to GL frame does not display in Fixed Asset Maintenance, and you can use Journal Entry Create (25.13.1.1) to post the acquisition.

Fixed Asset Maintenance

If you set the Post to GL field to Yes in Fixed Asset Maintenance, the system posts the GL transaction to the daybook defined in Posting Book Daybook Maintenance for the posting book and entity. If the system cannot find a daybook linked to the current entity, then it uses a daybook linked to a blank entity. If the system cannot find a daybook linked to the current entity or a daybook linked to a blank entity, it posts the GL transaction to the system daybook defined in Default Daybook Maintenance. If you set Post to GL to No, a warning message is displayed asking you to confirm that you do not want to post the GL transaction.

This change also applies to GL transactions that result from the following processes and that are subsequently posted using Fixed Asset Transaction Post:

- The transfer of assets to different locations using Fixed Asset Transfers
- The voiding of assets using Fixed Asset Transaction Void
- The retiring of assets using Fixed Asset Retirement

Fixed Asset Browsers

The Fixed Assets module includes the following new browsers and collections:

- The Fixed Asset Method Browse displays details on multiple methods, such as the method ID, active indicator, description, convention, depreciation factor rate, salvage indicator, and expected life.

- The Fixed Asset Location Browse displays the location ID, description, domain, entity, sub-account, cost center, address, city, county, state, zip, country, phone, and fax for each location that matches the search criteria.
- The Fixed Asset Class Collection displays book, method, and GL account information for assets. For each class, you can browse a listing of books or methods. You can then optionally browse calendars.
- The Fixed Asset Book Collection browse displays all posting books defined in the system. For each book, you can select a related Fixed Asset Calendar Browse, which displays the year, GL period, period start and end dates, and the domain.
- The Fixed Asset Detail Collection browse displays all depreciation entries for an asset. For every fixed asset, you can select from the following related views: Fixed Asset Transfers, Fixed Asset Purchase Orders, and Depreciation Entry.

New and Modified Programs

New Programs

Table 6 lists the new programs for fixed assets.

Table 6
New Programs for Fixed Assets

Menu	Label	Program
32.5.23	Fixed Asset Location Browse	fabr008.p
N/A	Fixed Asset Class Collection	N/A
N/A	Fixed Asset Detail Collection	N/A
N/A	Fixed Asset Book Collection	N/A
32.5.20	Fixed Asset Method Browse	fabr001.p

Modified Programs

Table 7 lists the modified programs for fixed assets.

Table 7
Modified Programs for Fixed Assets

Menu	Label	Program
32.24	Fixed Asset Control	fafapm.p
32.3	Fixed Asset Maintenance	fafamt.p
32.14	Fixed Asset Transaction Void	favdmt.p
32.16	Fixed Asset Transfers	fatrmt.p
32.19	Fixed Asset Retirements	fartmt.p
32.13	Fixed Asset Transaction Post	fapsmt.p

Invoice Numbering

The domain record now includes a new Invoice Numbering tab, which lets you enable consecutive and chronological invoice numbering. If you do not enable these numbering options, standard invoice numbering without numbering checks applies. For standard, consecutive, and chronological invoice numbering, invoices are numbered by entity, year, GL period, and daybook.

Note The numbering of invoices created by Invoice Post and Print is configurable.

Consecutive numbering ensures that invoice, invoice correction, credit note, credit note correction, and finance charge (AR only) numbers are consecutive, and without gaps. Chronological invoice numbering ensures that the numbers are sequential and in the correct date order. You can only enable chronological invoice numbering if you have also enabled consecutive invoice numbering.

When chronological invoice numbering is enabled, you can use a set of radio-buttons in the Domain record to indicate whether the system should display an error or a warning if a user specifies a past or future invoice posting date that could potentially disrupt the chronological numbering of invoices. If you select the Error on Non-Chronological Number option, the system displays an error and the user is blocked from saving the invoice record. If you select the Warning on Non-Chronological Number option, the system displays a warning and the user can proceed to saving the invoice record.

Using the Invoice Numbering tab, you can also select an option to have the system automatically display the supplier invoice or credit note number in a popup after you save the invoice record.

When consecutive and chronological invoice numbering are enabled, numbering controls apply in the following functions:

- Customer Opening Balance Create and Supplier Opening Balance Create
- Customer Invoice Create and Invoice Post and Print
- Supplier Invoice Create, Supplier Invoice Reverse, Supplier Invoice Replace, Receiver Matching Create, and Receiver Matching Modify

Note Consecutive and chronological invoice numbering also applies where Invoice Post and Print is accessed from the Customer Consignment and SSM modules.

When consecutive and chronological invoice numbering is enabled, the system does not display an invoice number in the Posting field until after you save the invoice, credit note, or finance charge record.

Important If Golden Tax is enabled, the system does not apply consecutive and chronological numbering to invoices posted from the operational sales module. In this situation, you can still use consecutive and chronological numbering for AR invoices, credit notes, and finance charges created in Financials, as well as for all AP invoices and credit notes.

When chronological invoice numbering is enabled, the following numbering controls apply:

- If you attempt to save an invoice with a posting date that is earlier than the posting date of a saved invoice with the same entity and daybook combination, the system displays an error or warning message, depending on the option selected in the domain Invoice Numbering tab.
- If you attempt to save an invoice or invoice credit note with a future posting date, the system displays an error or a warning, depending on the option selected in the domain Invoice Numbering tab.
- When you attempt to save the first invoice or credit note in a new GL period for a daybook and entity combination, the system displays a warning. This message is always a warning.

When consecutive and chronological invoice numbering are enabled, numbering controls apply in Receiver Matching Create and Receiver Matching Modify when you match supplier invoices in the initial status. When an initial supplier invoice is matched, the supplier invoice becomes non-initial and an invoice number is generated for the record.

Modified Programs

Table 8 lists the modified programs for invoice numbering.

Table 8
Modified Programs for Invoice Numbering

Menu	Label	Program
7.13.4	Invoice Post and Print	soivpst.p
27.1.1.1	Customer Invoice Create	BDInvoice.Create
27.1.10	Customer Opening Balance Create	BDebtorOpenBalance.Create
28.1.1.1	Supplier Invoice Create	BCInvoice.Create
28.1.1.11	Supplier Invoice Reverse	BCInvoice.Reverse
28.1.1.12	Supplier Invoice Replace	BCInvoice.Replace
28.1.15	Supplier Opening Balance Create	BCreditorOpenBalance.Create
28.2.1	Receiver Matching Create	BAPMatching.Create
28.2.2	Receiver Matching Modify	BAPMatching.Modify
36.1.1.1.1	Domain Create	BDomain.Create
36.1.1.1.2	Domain Modify	BDomain.Modify
36.1.1.1.3	Domain View	BDomain.View

Tax ID Validation

You can now use non-intrusive customization to implement the validation of federal and state tax IDs according to the requirements of your local tax authority.

You must customize a component called BFormatSet to implement custom tax ID validation. BFormatSet validates tax IDs entered in the following fields:

- Federal Tax ID field in the Business Relation record
- State Tax ID field in the Business Relation record
- Federal Tax ID field in the Supplier record
- State Tax ID field in the Supplier record
- Federal Tax ID field in the Customer record
- State Tax ID field in the Customer record

Modified Programs

Table 9 lists the modified programs for tax ID validation.

Table 9
Modified Programs for Tax ID Validation

Menu	Label	Program
27.20.1.1	Customer Create	BDebtor.Create
27.20.1.2	Customer Modify	BDebtor.Modify
28.20.1.1	Supplier Create	BCreditor.Create
28.20.1.2	Supplier Modify	BCreditor.Modify
36.1.4.3.1	Business Relation Create	BBusinessRelation.Create
36.1.4.3.2	Business Relation Modify	BBusinessRelation.Modify

ERS and Legal Documents

If fiscal receiving is activated by selecting the Fiscal Confirm Required field in Purchasing Control (5.24), ERS lets you create matched supplier invoices and credit notes or invoice corrections using fiscal receipts, and not PO receipts.

The ERS Processor now contains two tabs: By Receiver and By Legal Document. However, only one of the tabs ever displays at one time. If the Fiscal Confirm Required field is selected in Purchasing Control, the ERS Processor displays the By Legal Document tab. If the Fiscal Confirm Required field is cleared in Purchasing Control, the ERS Processor displays the By Receiver tab. The Fiscal Confirm Required field is cleared by default.

You can use the By Legal Document tab to search for legal documents for which to create supplier invoices and receiver matching. The ERS Processor combines legal documents into a single supplier invoice, provided that the documents have the same legal document number, the same effective issue date, the same supplier, and the same purchase order project code for the AP control account.

You can specify ranges of suppliers, sites, legal documents, and legal document issue dates to search for legal documents. The processor then retrieves a group of legal documents that meet your selection criteria. Selections are always based on the full legal document with no partial selections.

The ERS Processor creates matched supplier invoices as confirmed (non-initial status) or non-confirmed (initial status) supplier invoices, depending on the ERS option. The matched supplier invoices are created based on the confirmed legal document price, and not the PO price. The ERS Processor assigns the invoices the same due date as the confirmed legal document for which the invoice was created, and the tax values and postings are created based on the confirmed fiscal receipt lines.

When creating supplier invoices and receiver matching based on legal documents, the ERS Processor creates AP rate variances when there is a difference between the fiscal price and the PO price. Similarly, the ERS Processor creates AP usage variances when there is a difference between the physical receipt quantity and the fiscal receipt quantity.

Legal documents are always denominated in the base currency. However, when fiscal receiving is activated, the ERS Processor creates supplier invoices or credit notes in both the base and transaction currencies. ERS uses the legal document exchange rate to convert the invoice amount from the base currency to the transaction currency.

Modified Programs

Table 10 lists the modified program for ERS.

Table 10
Modified Program for ERS Processor

Menu	Label	Program
28.10.13	ERS Processor	BERSProcessor.Process

Additional GL Numbering

Additional GL Numbering lets you generate a secondary numbering sequence for GL transactions. This is an alternative reference number for use in countries where local GAAP constraints require that GL posting numbering be sequential, without any gaps. Additional GL Numbering is enabled at entity level.

You can now specify another active entity from the same domain as the numbering source for additional GL numbering in the current entity. You can also indicate whether the numbering must be reset yearly.

You can use the Additional GL Numbering field in GL Layer Create and GL Layer Modify to denote the layers for which the system must generate additional GL numbers.

When creating journal entries in entities and layers for which additional GL numbering is active, a sequence number is generated. This number remains at zero until you save the journal entry.

The sequence number is also associated with a numbering date, which can be the same as or later than the transaction's posting date. When creating a posting in Journal Entry Create, the numbering date is set to the posting date and cannot be modified.

In the following functions, you can specify a numbering date when creating or modifying a posting in a correction period:

- Journal Entry Create and Journal Entry Modify
- Journal Entry Transient Create and Journal Entry Transient Modify
- Journal Entry Reverse and Journal Entry Transient Reverse
- Reversing Journal Create

You can also specify a numbering date for correction postings in Journal Entry Approve and for year-end closing transactions in Year-End Closing Execute.

GL Sequence Renumber Report

The GL Sequence Renumber report (36.30) can be used to renumber additional GL numbering sequence numbers for the current entity or for all the entities in a numbering group, if the current entity is a source entity.

If you reassign sequence numbers to an entity that is the numbering source for other entities, sequence numbers are reassigned for the whole numbering group of entities.

The GL Sequence Renumber report rennumbers postings sequentially and consecutively based on their numbering date. The posting with the earliest numbering date is assigned the first number in the new sequence. If several postings share the same numbering date, these postings are assigned sequence numbers by daybook code and entity code.

If the Reset Yearly field is selected in the Additional GL Numbering tab for the entity, the re-assigned sequence numbers are numbered sequentially and consecutively within the GL calendar year.

GL Numbering Report

The GL Numbering report (36.1.99) lists all transactions posted over the specified time frame. The pages in the GL Numbering report are numbered progressively for the whole year.

New and Modified Programs

New Programs

Table 11 lists the new programs for additional GL numbering.

Table 11
New Programs for Additional GL Numbering

Menu	Label	Program
36.1.99	GL Numbering Report	qadsh://menu/invoke?menu-key=A.6&menuitem-key=36.1.99
36.30	GL Sequence Renumber Report	qadsh://menu/invoke?menu-key=A.6&menuitem-key=36.30

Modified Programs

Table 12 lists the modified programs for additional GL numbering.

Table 12
Modified Programs for Additional GL Numbering

Menu	Label	Program
25.8.14.1	GL Layer Create	BLayer.Create
25.8.14.2	GL Layer Modify	BLayer.Modify
25.8.14.3	GL Layer View	BLayer.View
25.8.14.4	GL Layer Delete	BLayer.Delete
25.13.1.8	Journal Entry Approve	BJournalEntry.Approve
25.13.1.1	Journal Entry Create	BJournalEntry.Create
25.13.1.2	Journal Entry Modify	BJournalEntry.Create
25.13.1.3	Journal Entry View	BJournalEntry.Create
25.13.1.4	Journal Entry Delete	BJournalEntry.Create
25.13.1.5	Journal Entry Reverse	BJournalEntry.Reverse
25.13.1.6	Journal Entry Excel Integration	BJournalEntry.ExcelIntegration
25.13.1.11	Journal Entry Transient Create	BJournalEntry.TransientCreate
25.13.1.12	Journal Entry Transient Modify	BJournalEntry.TransientModify
25.13.1.17	Journal Entry Transient Reverse	BJournalEntry.TransientReverse
25.13.1.14	Reversing Journal Create	BJournalEntry.AutoReversalCreate
25.21.4.1	Year-End Closing Execute	BYearClosing.Execute
36.1.1.2.1	Entity Create	BCompany.Create
36.1.1.2.2	Entity Modify	BCompany.Modify
36.1.1.2.3	Entity View	BCompany.View
36.1.1.2.4	Entity Delete	BCompany.Delete

Second Description

When creating or modifying a daybook record, you can now use the new Second Description field to specify an additional description for the types of transactions posted to the daybook. You can display this description on the GL Numbering report and the GL Transactions by Account report. In addition, when creating journal entries, you can specify a plain, easily understood additional description for the journal entry up to a maximum of 60 characters. This new field is also called Second Description.

Modified Programs

Table 13 lists the modified programs for the second description.

Table 13
Modified Programs for Second Description

Menu	Label	Program
25.8.1.1	Daybook Create	BJournal.Create
25.8.1.2	Daybook Modify	BJournal.Modify
25.8.1.3	Daybook View	BJournal.View
25.8.1.4	Daybook Delete	BJournal.Delete
25.13.1.1	Journal Entry Create	BJournalEntry.Create
25.13.1.2	Journal Entry Modify	BJournalEntry.Create
25.13.1.3	Journal Entry View	BJournalEntry.Create
25.13.1.4	Journal Entry Delete	BJournalEntry.Create
25.13.1.6	Journal Entry Excel Integration	BJournalEntry.ExcelIntegration
25.13.1.11	Journal Entry Transient Create	BJournalEntry.TransientCreate

Menu	Label	Program
25.13.1.12	Journal Entry Transient Modify	BJournalEntry.TransientModify
25.13.1.17	Journal Entry Transient Reverse	BJournalEntry.TransientReverse
25.13.1.14	Reversing Journal Create	BJournalEntry.AutoReversalCreat
25.15.1.2	GL Transactions by Account Report	BGLReport.Transactions_GL
25.15.1.18	GL Numbering Report	qadsh://menu/invoke?menu-key=A.6&menuitem-key=36.1.99

Journal Entry Cross-Company Excel Integration

Journal Entry Cross-Cy Excel Integration (25.13.1.10) lets you load cross-company journal entries defined in an Excel spreadsheet. To facilitate the creation of cross-company journal entries, you can download a template in the Journal Entry Cross-Cy Excel Integration function.

You can only use Journal Entry Cross-Cy Excel Integration to create cross-company postings. Use Journal Entry Excel Integration to load any other type of journal entry postings through Excel.

Cross-company journal entries defined in Excel must contain a minimum of three levels of data. However, a cross-company posting loaded through Excel can contain up to seven levels.

- **Level 1 (parent)**
This level contains details that relate to the overall posting. Each level 1 entry maps to one cross-company transaction. Each level 1 record must have at least two level 2 records associated with it: one record for the source entity posting and one record for the target entity posting.
- **Level 2 (child)**
This level contains details specific to the entity posting. The Excel spreadsheet must contain level 2 entries for each entity to which you want to post.
- **Level 3 (grandchild)**
This level contains details specific to a single posting line. Each level 2 entry must have at least two level 3 lines associated with it.
- **Lower Levels**
A posting line can be composed of multiple sub-levels containing additional posting information, depending on how the GL accounts used in the transaction are defined.

When you click Save in Journal Entry Cross-Cy Excel Integration, the system creates journal entries for the source entity and for each of the corresponding postings for the target entities. It also performs all validation and defaults values if some key fields are blank. If you specify all required values, no defaulting occurs.

New Program

Table 14 lists the new program for Journal Entry Cross-Cy Excel Integration.

Table 14

New Program for Journal Entry Cross-Cy Excel Integration

Menu	Label	Program
25.13.1.10	Journal Entry Cross-Cy Excel Integration	BJournalEntryMultiCy.ExcelIntegration

Aging of Prepayments

On the customer and supplier aging reports, prepayments that are not allocated and remain as open items are now included in the aging.

Modified Programs

Table 15 lists the modified programs for the aging of prepayments.

Table 15
Modified Programs for the Aging of Prepayments

Menu	Label	Program
27.17.6	Customer Aging Analysis Current Report	BDebtorReport.DebtorAgeingAnalysisCurrent
27.17.7	Customer Aging Analysis History Report	BDebtorReport.DebtorAgeingAnalysisBackwards
27.17.8	Customer Aging Analysis by Group Current Report	BDebtorReport.DebtorAACGroup
27.17.9	Customer Aging Analysis by Group History Report	BDebtorReport.DebtorAABGroup
28.17.9	Supplier Aging Analysis Current Report	BCreditorReport.CreditorAgeingAnalysisCurrent
28.17.10	Supplier Aging Analysis History Report	BCreditorReport.CreditorAgeingABackwards
28.17.11	Supplier Aging Analysis by Group Current Report	BCreditorReport.CreditorAACGroup
28.17.12	Supplier Aging Analysis by Group History Report	BCreditorReport.CreditorAABGroup

Bank File Processing

Partial Payments

The bank import process now supports partial customer payments. If there is an open item for a customer with a matching daybook and voucher reference and the bank file import amount is less than or equal to the open invoice amount, the bank import line payment amount is applied against the open item.

Batch Number Displayed in Grid

When the imported bank file contains transactions to allocate to open items, the new Batch Number field in the Process Incoming Bank Files grid displays the lock box batch ID of the imported transactions. The batch ID is also subsequently referenced in the Customer Activity Dashboard and the Supplier Activity Dashboard. The batch ID is also included in the Imported Bank File report. If the lock box ID is unavailable, this field displays the filename of the imported bank file.

Payment for Multiple Invoice Lines

When importing the same payment for multiple open items (invoices and credit notes), Process Incoming Bank Files searches the system for the relevant matching open items, and can now allocate payment against all the lines using a single payment transaction. The system matches imported bank file payments and the corresponding open items by matching the bank numbers and payment references.

Imported 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 the report to be used for audit purposes.

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 Show Payment Details option lets you display the payment details for customer and supplier payments, and for banking entries allocated to payments.

Customizable Matching Logic for Lockbox

The Enhanced Lockbox module exposes the standard matching logic from the Process Incoming Bank Files function. This matching logic is used to match customer and supplier payments in the imported bank files to open items on the system.

The customized matching logic uses the following customizable methods:

- `BankImpLine.GetInvoicesByBankImpLine.Before`
- `BankImpLine.GetInvoicesByBankImpLine.After`
- `BankImpLine.GetInvoicesByBankImpLineXref.Before`
- `BankImpLine.GetInvoicesByBankImpLineXref.After`
- `BankImpLine.GetCDDocumentByBankImpLine.Before`
- `BankImpLine.GetCDDocumentByBankImpLine.After`
- `BankImpLine.GetDDocumentByBankImpLine.Before`
- `BankImpLine.GetDDocumentByBankImpLine.After`
- `BankImpLine.GetCreditorByBankImpLine.Before`
- `BankImpLine.GetDebtorByBankImpLine.Before`

The customized matching logic is similar to the standard matching logic, and can be enabled and disabled using the customization template file, `bbankimpline.p`.

New and Modified Programs

New Program

Table 16 lists the new program for the Imported Bank File report.

Table 16
New Program for Banking

Menu	Label	Program
31.1.11	Imported Bank File Report	qadsh://menu/invoke?menu-key=A.4&menuitem-key=31.1.11

Modified Programs

Table 17 lists the modified programs for processing incoming bank files.

Table 17
Modified Programs for Processing Incoming Bank Files

Menu	Label	Program
27.18.1	Customer Activity Dashboard	BDebtor.DebtorCreditInfo
28.18.1	Supplier Activity Dashboard	BCreditor.CreditorInfo
31.1.6	Process Incoming Bank Files	BBankImportLineProcess.BankImportProcess

Open Item Netting Across Business Relations

New netting settings in the entity record let you control the level of flexibility provided in Open Item Adjustment Create for the netting of transactions. In addition, a new customer/supplier compensation setting at entity level controls whether you can net credits and debits for customers and suppliers that belong to the same business relation.

The Open Item Netting Restriction field provides three options for the netting of open items across business relations.

- None. This option does not impose restrictions on the netting of open items across business relations. It is the least restrictive setting, and is the default.
- Single business relation. This option restricts the netting of open items to items that belong to the same business relation. It is the most restrictive setting.
- Related business relations. This option restricts the netting of open items to items from business relations that belong to the same corporate group.

The Open Item Cross Entity Allowed field lets you control whether open items can be adjusted across entities. This option is enabled by default. When open item adjustment across entities is enabled, you can use Open Item Adjustment Create to display and net items from other entities.

When an open item adjustment includes cross-entity transactions, the entities involved must have compatible netting control settings. If the entities have different control settings, the most restrictive setting is applied. If open item adjustment across entities is disabled, the All Entities field in Open Item Adjustment Create is disabled for editing, and you cannot display and net items from other entities.

The new Customer/Supplier Compensation Allowed field lets you specify how the system should treat open items during payment processing when a customer and supplier belong to the same business relation. When customer and supplier compensation is enabled at entity level and an open item adjustment involves transactions from two different entities, customer and supplier compensation must be enabled for both entities in order for the adjustment to be saved. In addition, the corresponding Customer/Supplier Compensation Allowed field must be enabled for the business relations involved in the adjustment. This restriction applies regardless of the entity's netting restriction or whether the customer and supplier compensation is cross-entity.

When customer and supplier compensation is disabled at entity level, you cannot net items from customer and suppliers with the same business relation. This setting overrides the Customer/Supplier Compensation Allowed setting at business relation level for customers and suppliers.

Modified Programs

Table 18 lists the modified programs for open item netting across business relations.

Table 18
Modified Programs for Open Item Netting Across Business Relations

Menu	Label	Program
25.13.5	Open Item Adjustment Create	BOpenItemAdjustment.Create
36.1.1.2.1	Entity Create	BCompany.Create
36.1.1.2.2	Entity Modify	BCompany.Modify
36.1.1.2.3	Entity View	BCompany.View
36.1.1.2.4	Entity Delete	BCompany.Delete

Daybook Security

The daybook security feature lets you add security to daybooks to protect them against unauthorized transactions. You can implement daybook security by optionally linking a role to a daybook in Daybook Create or Daybook Modify so that only users with that role can create and modify transactions posted to the daybook. You can specify an access role for the following types of daybook:

- Journal Entries, for Daybook Control types Financial and External only
- Matching
- Consolidation
- Periodic Costing

If you do not specify a role for a daybook, the daybook can be used by all roles.

Journal Entry and Daybook Security

You can apply daybook security to journal entry transactions posted to daybooks with a control type of Financials or External. If implemented, the restriction applies to all journal entry activities, except the View activity.

When saving a journal entry posting in Journal Entry Create or Journal Entry Reverse, the system checks the daybook and displays an error if the transaction uses a daybook that you do not have role permissions for. You cannot subsequently save the posting.

In Journal Entry Modify, Journal Entry Delete, and Journal Entry Reverse, if you select a posting in an unauthorized daybook, the system displays a warning and you can only view the posting.

Daybook security for journal entries also applies to journal entries created using Journal Entry Excel Integration, Journal Entry Excel Integration Repair, and Journal Entry Cross-Company Excel Integration.

If daybook security is implemented and you specify a Journal Entries daybook with Financial or External daybook control in Mass Layer Transfer Execute, you must be assigned the role associated with the daybook you select. Otherwise, an error is displayed and you cannot save the mass layer transfer transactions.

Consolidation and Daybook Security

If implemented, daybook security for Consolidation daybooks is applied in Consolidation Cycle Create and Consolidation Cycle Modify when you set a consolidation cycle to Operational and try to save the record. If you select a Consolidation daybook associated with a role you are not assigned, an error message displays and you are prevented from saving the consolidation cycle record.

Matching Daybooks and Daybook Security

You can apply daybook security to financial and receiver matching transactions posted to daybooks of type Matching.

If implemented, daybook security for Matching daybooks restricts access to transactions in the following functions to users who have roles associated with the Matching daybooks used:

- Supplier Invoice Create
- Supplier Invoice Modify
- Supplier Invoice Allocate
- Supplier Invoice Approve
- Supplier Invoice Prepare Allocation

- Receiver Matching Create
- Receiver Matching Modify

When creating a matching record, if you select a Matching daybook associated with a role you are not assigned, an error message displays and you are prevented from saving the record.

Modified Programs

Table 19 lists the modified programs for daybook security.

Table 19
Modified Programs for Daybook Security

Menu	Label	Program
25.8.1.1	Daybook Create	BJournal.Create
25.8.1.2	Daybook Modify	BJournal.Modify
25.8.1.3	Daybook View	BJournal.View
25.8.1.4	Daybook Delete	BJournal.Delete
25.13.1.1	Journal Entry Create	BJournalEntry.Create
25.13.1.2	Journal Entry Modify	BJournalEntry.Modify
25.13.1.4	Journal Entry Delete	BJournalEntry.Delete
25.13.11	Mass Layer Transfer Execute	BMassLayerTransfer.Transfer
25.19.1.7	Consolidation Cycle Create	BConsolidCycle.Create
25.19.1.8	Consolidation Cycle Modify	BConsolidCycle.Modify
28.1.1.1	Supplier Invoice Create	BCInvoice.Create
28.1.1.2	Supplier Invoice Modify	BCInvoice.Modify
28.1.1.4	Supplier Invoice Approve	BCInvoice.Approve
28.1.1.6	Supplier Invoice Prepare Allocation	BCInvoice.Prepare Allocation
28.1.1.7	Supplier Invoice Allocate	BCInvoice.Allocate
28.1.1.9	Supplier Invoice Delete	BCInvoice.Delete
28.2.1	Receiver Matching Create	BAPMatching.Create
28.2.2	Receiver Matching Modify	BAPMatching.Modify

Suspended and Delayed Tax

The suspended and delayed taxes fields in the entity record have been moved to a new entity tab called Taxes.

The Taxes tab contains two new suspended and delayed taxes fields: Suspend Until Paid Status and Delay Until Paid Status.

The Suspend Until Paid Status field lets you suspend the payment of taxes until the payment status is set to Paid. If you select this option, allocating a payment to an invoice does not generate final tax postings unless the payment status is also set to Paid. When the payment status is set to Paid, the taxes are posted to the final tax accounts and the tax becomes available for declaration. The Suspend Until Paid Status field is enabled when you select any option except Not Applicable in the Suspended Tax field.

The Delay Until Paid Status field lets you delay the payment of taxes until the payment status is set to Paid. If you select this option, allocating a payment to an invoice does not generate final tax postings unless the payment status is also set to Paid. When the payment status is set to Paid, the taxes are posted to the final tax accounts and the tax becomes available for declaration. The Delay Until Paid Status field is enabled when you select any option except Not Applicable in the Delayed Tax field.

Modified Programs

Table 20 lists the modified programs for suspended and delayed tax.

Table 20

Modified Programs for Suspended and Delayed Tax

Menu	Label	Program
36.1.1.2.1	Entity Create	BCompany.Create
36.1.1.2.2	Entity Modify	BCompany.Modify
36.1.1.2.3	Entity View	BCompany.View

AR and AP Tax Register Reports

Two new tax register reports are included in the QAD 2010.1 release.

- The AP Tax Register report (29.6.3.19) displays all AP transactions for the tax register and periods you specify.
- The AR Tax Register report (29.6.3.20) displays all AR transactions for the tax register and periods you specify.

Only transactions linked to the tax register you specify are included in the output for the reports. You can display the output for the reports in either the base currency or the statutory currency. The reports can be submitted to your local tax authority as month-end tax declarations.

New Programs

Table 21 lists the new programs for the tax register reports.

Table 21

New Programs for AR and AP Tax Register Reports

Menu	Label	Program
29.6.3.19	AP Tax Register Report	qadsh://menu/invoke?menu-key=A.4&menuitem-key=29.6.3.19
29.6.3.20	AR Tax Register Report	qadsh://menu/invoke?menu-key=A.4&menuitem-key=29.6.3.20

Display All Entities in the Reminder Letter

In the Reminder Letter report, you can now select entities from domains that have the same customer shared set as the current domain.

Including activities from all entities ensures that the customer's balance is accurately reflected. For example, if a customer has a negative balance in one entity and a positive balance in another entity, and if the sum of both is positive, the customer will not be sent a reminder.

Modified Program

Table 22 lists the modified program for the Reminder Letter report.

Table 22

Modified Program for Reminder Letter Report

Menu	Label	Program
27.17.10	Reminder Letter Report	BDebtorReport.DebtorReminders

Display All Entities in Customer Statement of Account

In the Customer Statement of Account report, you can now select entities from domains that have the same customer shared set as the current domain.

Modified Program

Table 23 lists the modified program for the Customer Statement of Account report.

Table 23

Modified Program for Customer Statement of Account Report

Menu	Label	Program
27.17.19	Customer Statement of Account	BDebtorReport.DebtorAccountState

Supplier Invoice Report

The Supplier Invoice Register report (28.17.19) displays a list of supplier invoices and their posting details and receipt data, if applicable. You can, optionally, include a GL Summary section at the end of the report, which displays totals by GL account. At the end of the month, you can use the GL Summary section of the report to check the allocation of costs arising from supplier invoices.

New Program

Table 24 lists the new program for the Supplier Invoice Register report.

Table 24

New Program for Supplier Invoice Register Report

Menu	Label	Program
28.17.19	Supplier Invoice Register Report	BCreditorReport.CInvoiceRegister

Structured Reports

The Budget functions have been enhanced so that you can now include up to 15 levels in a budget or report structure.

You can now specify up to 40 characters when entering a topic description in the Structures tab.

When using the budget record to define a report structure, you now have the option to specify an additional, extended topic description of up to 120 characters. You specify this in the Description field in the Topic Properties window. In addition, another new field, Print Description, lets you indicate whether to display the extended topic description on structured reports created using this report structure. The Description and Print Description fields are only enabled if you select the Use as Report field in the header of Budget Create.

A number of new fields have been added to the grid in the Structures tab of the budget record. This enhancement ensures that you can maintain and update these fields using Excel integration.

- Link by Level

This field displays the COA element to which the topic is linked. You link a topic to a COA element using the Topic Properties window.

The Link by Level field is hidden by default. You can display it using the Columns dialog.

- Alternate COA Group

This field displays the alternate COA group to which the topic is linked. You link a topic to a COA element using the Topic Properties window. The Alternate COA Group field is hidden by default.

- Budget Group

This field displays the budget group to which the topic is linked. You link a topic to a budget group using the Topic Properties window.

The Budget Group field is hidden by default.

- Description

This field displays an extended description (up to 120 characters) of the topic. You can optionally print the description on reports based on this structure. You define the extended description in the header of the Topic Properties window.

- Print Description

This field indicates if the topic property extended description, as specified in the Topic Properties window, must be displayed on reports based on this structure.

When you modify a budget structure using Budget Modify All Versions, you can now insert a new topic in any position in a budget structure.

Modified Programs

Table 25 lists the modified programs for budgets and structured reports.

Table 25
Modified Programs for Budgets and Structured Reports

Menu	Label	Program
25.5.1.1	Budget Create	BBudget.Create
25.5.1.2	Budget Modify	BBudget.Modify
25.5.1.3	Budget View	BBudget.View
25.5.1.4	Budget Delete	BBudget.Delete
25.5.1.6	Budget Modify All Versions	BBudget.ModifyAllVersions
25.15.5.4	Balance Sheet Report	BGLReport.BalanceSheetReport
25.15.5.5	Income Statement Report	BGLReport.IncomeStatement
25.15.5.6	Multi-Column Balance Sheet Report	BGLReport.MultiColBalanceSheet
25.15.5.7	Multi-Column Income Statement Report	BGLReport.MultiColIncomeStatement
25.15.5.8	Regional Balance Sheet Report	qadsh://menu/invoke?menu-key=A.4&menuitem-key=25.15.5.8
25.15.5.9	Regional Income Statement Report	qadsh://menu/invoke?menu-key=A.4&menuitem-key=25.15.5.9

Banking Entry for Staged Payments

In Banking Entry, you can now allocate payment to invoices with staged payment terms using two different approaches. You can apply the payment at the invoice level, and the payment and allocation values are rolled down to the staged payment, or you can apply the payment to the staged payments and the payment, allocation, and discount amounts are rolled up to the invoice line.

The values you enter at the staged level are rolled up to update the TC Allocated, TC Paid, TC Discount, and New Balance values at the invoice level.

On the invoice line, the TC Paid value you enter is rolled down to the staged payment level and automatically allocated against the first staged payment due. If you enter a TC Paid value on the invoice line that is greater than the open balance of the first staged payment, the amount over the first staged payment is applied to the staged payment with the next nearest due date.

Modified Programs

Table 26 lists the modified programs for Banking Entry.

Table 26
Modified Programs for Banking Entry and Staged Payments

Menu	Label	Program
31.1.1	Banking Entry Create	BBankEntry.Create
31.1.2	Banking Entry Modify	BBankEntry.Modify
31.1.3	Banking Entry View	BBankEntry.View
31.1.4	Banking Entry Delete	BBankEntry.Delete

Prepayments in Dashboards

You can now view customer and supplier prepayments created using banking entry on the Payments tab of the Customer Activity Dashboard and the Supplier Activity Dashboard.

Modified Programs

Table 27 lists the modified programs for the activity dashboards.

Table 27
Modified Programs for Activity Dashboards

Menu	Label	Program
27.18.1	Customer Activity Dashboard	BDebtor.DebtorCreditInfo
28.18.1	Supplier Activity Dashboard	BCreditor.CreditorInfo

Business Relation on Reports

The GL Transaction by Account report and the Cost Center Transaction Detail report now display the business relation code for every transaction related to a business relation.

Modified Programs

Table 28 lists the modified programs for reporting.

Table 28
Modified Programs for Business Relations on Reports

Menu	Label	Program
25.15.1.2	GL Transaction by Account Report	BGLReport.Transactions_GL
25.15.3.2	Cost Center Transaction Detail Report	BA analyticalReport.CostCentreTransDet

Consolidation Period Closing View

The Consolidation Period Closing View browse collection lets you view the status of GL periods for each consolidation entity included in a consolidation cycle. As a result, you can easily track the progress of a staged consolidation for your entire organization.

Two linked views, Source Entity View and Period Closing View, let you identify issues that could impede the consolidation, such as open GL periods.

New Program

Table 29 lists the new program for the Consolidation Period Closing View.

Table 29

Modified Programs for the Consolidation Period Closing View

Menu	Label	Program
N/A	Consolidation Period Closing View	cc23457f-7f56-4866-9e72-382f4e04ebfc

Fixed Due Dates for Credit Terms

You can now create credit terms with fixed due dates using Credit Terms Create.

Fixed due dates are not calculated based in the invoice date. For example, if a credit term has a fixed due date of February 1, and an invoice for which that due date applies is created on February 15, the invoice due date is still fixed as February 1. You can also create staged credit terms with fixed due dates.

You create a credit term with a fixed due date by specifying a due date in the Base Date/Fixed Due Date field and setting the No of Periods, Supplementary Days, Minimum Due Days, and Base Days fields to 0 (zero).

Modified Programs

Table 30 lists the modified programs for credit terms.

Table 30

Modified Programs for Credit Terms

Menu	Label	Program
36.1.10.1	Credit Terms Create	BPaymentCondition.Create
36.1.10.2	Credit Terms Modify	BPaymentCondition.Modify
36.1.10.3	Credit Terms View	BPaymentCondition.View
36.1.10.4	Credit Terms Delete	BPaymentCondition.Delete

Check Print Reports Migrated to ComponentOne

The Customer Check Print and Supplier Check Print reports have been migrated from Crystal reports to the ComponentOne reporting framework.

Modified Programs

Table 31 lists the modified programs for check print reports.

Table 31

Modified Programs for Check Print Reports

Menu	Label	Program
27.6.8.1	Customer Check Print	qadsh://menu/invoke?menu-key=A.4&menuitem-key=27.6.8.1
28.9.9.3	Supplier Check Print	qadsh://menu/invoke?menu-key=A.4&menuitem-key=28.9.9.3

Revaluation

You can now revalue tax accounts. When configuring the revaluation settings for a tax account, it is mandatory that you specify a revaluation GL account for the tax account in the Currency tab of the GL account record.

The results for the revaluation of tax accounts are posted to the Revaluation GL daybook.

Modified Programs

Table 32 lists the modified programs for the revaluation of tax accounts.

Table 32
Modified Programs for Tax Account Revaluation

Menu	Label	Program
25.3.13.1	GL Account Create	BGL.Create
25.3.13.2	GL Account Modify	BGL.Create
25.21.1.1	Revaluation Simulate	BRevaluation.Simulate
25.21.1.5	Revaluation Post	BRevaluation.Post

Withholding Tax Tabs and Fields

Withholding tax will be available in a forthcoming QAD release. In preparation for this, a number of related tabs and fields have been added to the application.

The Supplier record and the Supplier Invoice record now contain Withholding Tax tabs, which are currently disabled.

Tax Type Maintenance now contains a Withholding Tax Type field, which is used to indicate the tax types that are designated for use in withholding tax calculations. In addition, Tax Environment Maintenance now includes validation to prevent you from specifying a withholding tax type in a tax environment record.

Modified Programs

Table 33 lists the modified programs for withholding tax.

Table 33
Modified Programs for Withholding Tax

Menu	Label	Program
28.1.1.1	Supplier Invoice Create	BCInvoice.Create
28.1.1.2	Supplier Invoice Modify	BCInvoice.Modify
28.1.1.3	Supplier Invoice View	BCInvoice.View
28.1.1.4	Supplier Invoice Approve	BCInvoice.Approve
28.1.1.5	Supplier Invoice Release for Payment	BCInvoice.Release For Payment
28.1.1.6	Supplier Invoice Prepare Allocation	BCInvoice.Prepare Allocation
28.1.1.7	Supplier Invoice Allocate	BCInvoice.Allocate
28.1.1.9	Supplier Invoice Delete	BCInvoice.Delete
28.1.1.10	Supplier Invoice Initial	BCInvoice.InitialCreate
28.1.1.12	Supplier Invoice Replace	BCInvoice.Replace
28.20.1.1	Supplier Create	BCcreditor.Create
28.20.1.2	Supplier Modify	BCcreditor.Modify
28.20.1.3	Supplier View	BCcreditor.View
28.20.1.4	Supplier Delete	BCcreditor.Delete
29.1.1	Tax Type Maintenance	txtxtmt.p
29.3.1	Tax Environment Maintenance	txtxemt.p

Operational Updates

Support for International Legal Document Requirements

QAD 2010.1 Enterprise Edition includes several more enhancements in the Legal Documents area:

Fiscal Receiving Updates

This release has been enhanced with the additional Fiscal Document (Legal document) receiving and confirming features. You can effectively record fiscal document information and the system automatically verifies the physical amount against the amount described on the fiscal document. The verification is regarded as a receiver matching performed in the operational module. Fiscal Receiving is used to partially automate the processing of supplier payments in the financial module.

Once the fiscal receiving and the physical receiving have both been successfully confirmed, you can use the ERS (Evaluated Receipt Settlement) processor to automatically create matched supplier invoices as confirmed (non-initial status) or non-confirmed (initial status) supplier invoices respectively.

New Programs

Table 34

New Programs for Fiscal Receiving

Menu	Label	Program
5.20.1	Fiscal Receiving	poldnfmt.p
5.20.24	Received Legal Document Control	poldpm.p

Modified Programs

Table 35

Modified Programs for Fiscal Receiving

Menu	Label	Program	New Fields
5.24	Purchase Control	popopm.p	Fiscal Confirm Required
5.13.1	Purchase Order Receipts	poporc.p	Issuing Legal Document Effective Issue Date Legal Document Number
5.13.14	PO Shipper Maintenance	rsshmt.p	These programs share 3 newly added fields which are listed above for Purchase Order Receipts (5.13.1)
5.13.20	PO Shipper Receipt	rsporc.p	
3.9	Receipt - Unplanned	icunrc.p	
12.15.20	Distributed Order Receipt	dsdorc.p	
7.10.2	Legal Document Report	soldrpt.p	Received LD

- You can configure Fiscal Receiving setup to control the whole receiving process and define the fiscal confirm validation rules. Specifying the Fiscal Confirm Required field in Purchase Control gives you two options, either to perform both fiscal and physical receiving (Yes) or physical receiving only (No). You can use Received Legal Document Control to configure settings that affect the legal document confirmation process.
- When Fiscal Receiving is enabled, the Fiscal Receiving (5.20.1) program becomes available for you to record and confirm the fiscal (legal document) information.

- This release introduces three new fields (Issuing Legal Document, Effective Issue Date, and Legal Document Number), shared by several programs (rsshmt.p, rsporc.p, icunrc.p, and dsdorc.p). You specify these fields to link the current receiver or physical receiving to a specific received legal document number.
- You can now filter the search in Legal Document Report using the Received LD field. After the search, you can browse the list of legal document records.

Taxes for Non-commercial Transactions

This enhancement helps you record taxes in the general ledger, when issuing and receiving inventory in non-sales/non-purchase transactions, such as Inventory Transfer, Issue Unplanned, and so on.

Modified Programs

Table 36

Modified Programs for Taxes for Non-commercial Transactions

Menu	Label	Program	New Fields
3.4.1	Transfer - Single Item	iclotr02.p	Price Tax Environment Tax In Tax Usage Taxable Tax Class Legal Document Number Effective Issue Date Issuing Legal Document Total Tax Item Number Reference Lot/Serial Order Taxable Line Seq View/Edit Tax Detail
3.4.2	Transfer - Multi Item	iclotr01.p	These programs share 18 newly added fields which are listed above for Transfer - Single Item (3.4.1)
3.4.3	Transfer With Lot/Serial Change	iclotr03.p	
3.4.4	Batchload Transfer with Lot/Seri	iclotr04.p	
3.7	Issues - Unplanned	icunis.p	
11.11.1	Material Order Maintenance	fseomt.p	
11.11.6	Material Order Shipments	fseops.p	
12.17.21	Distribution Order Processing	dsdomt02.p	
12.17.22	Distribution Order Shipments	dsdois.p	
29.24	Global Tax Management Control	txtxcmt.p	Apply Tax On Issuing Transaction

- You can use the Apply Tax on Issuing Transactions field in Global Tax Management Control to specify whether or not to apply taxes to the (non-sales) issuing transactions during the shipper creation process.

- When Apply Tax on Issuing Transactions is set to Yes, you will encounter newly introduced fields during the shipper creation process. It is mandatory that you provide price and tax information to the system. Price information you entered is used as the base amount to calculate the tax. The system also displays Tax Usage, Tax Environment, Tax Class, Taxable, and Tax Included fields for your input.
- The View/Edit Tax Detail field is available for viewing the tax detail.
- The system automatically posts tax-related expenses to the general ledger.

Customer Consignment

This feature allows you to generate two legal documents for a customer consignment order. A shipping legal document is used as a shipping document accompanied by the shipped goods, while a sales legal document serves as the customer invoice.

Modified Programs

Table 37
Modified Programs for Customer Consignment

Menu	Label	Program	New Fields
7.10.13	Simultaneous Operation Maint	soldopmt.p	Consignment
7.18.13	Inventory Usage Create	socnuac.p	An additional shipper will be created in order to generate a sales legal document.
7.18.14	Authorization Usage Create	socnuac3.p	
7.18.15	Sequenced Usage Create	socnuac5.p	
29.1.1	Tax Type Maintenance	txtxtmt.p	Tax Legal Group

- You can use the Consignment field in Simultaneous Operation Maintenance to specify whether or not to enable the simultaneous function.
- When the simultaneous function is enabled, two legal documents are created simultaneously, a shipping and a sales legal documents. The system automatically creates the sales legal document when you create an invoice. When the goods are consumed by the customer, both the sales legal document and the invoice are sent to the customer. When Simultaneous function is disabled, the system does not create the sales legal document automatically.
- There have been major changes to Inventory Usage Create, Authorization Usage Create, and Sequenced Usage Create: after the consumption process, you are now required to create an additional shipper so that the system can automatically generate a sales legal document based on the shipper information.
- The Customer Consignment Return function has also been enhanced to support the legal documents features in this release.

Periodic Costing

Globalization presents challenges to worldwide manufacturing companies. QAD Enterprise Edition helps companies master these challenges by offering an Internalization solution that accommodates international variations in language, financial practices, business practices, and regulatory compliance. QAD is now introducing additional functionality to address global requirements in costing and inventory valuation.

Multi-country companies need to know the total cost of production at varying levels of output along with per-unit costs. Companies use costing methods for managing business as dictated by business conditions or, in some cases, as dictated by their country's laws. These companies must find costing methods and reporting functions that can meet local requirements and business practices when companies calculate inventory, transactions, or cost of goods sold.

According to International Finance Reporting Standards (IFRS), standard costs are permitted and results are close to actual costs. Using IFRS guidelines, the cost of inventory generally is determined using the FIFO (first-in, first-out) or weighted average (WAVG) cost method. The use of the LIFO (last-in, first-out) method is prohibited, although allowed in some circumstances. Some countries use the standard cost method for convenience, if the results approximate costs.

Complexities arise, though, as some countries require WAVG costing, while other countries require FIFO costing, and still other countries continue to use LIFO costing. In some of these countries, using standard costing to value inventory is not acceptable, so companies process inventory movements through the profit and loss account and not directly to the balance sheet.

Even when multi-national companies use standard costing for management accounting, internal audit, or performance evaluation requirements, they still require a costing method that provides reporting for legal (end of period) accounting requirements, tax audit, or company requirements of actual costs.

A new Periodic Costing menu (30.5) provides functions that support local requirements and business practices when companies revalue and recalculate inventory, transactions, and cost of goods sold. Periodic costing programs optionally calculate the FIFO, WAVG or LIFO cost of an item based on recorded data, such as inventory transactions, BOMs, routings, purchase prices, and labor/burden expenses, over a certain user-defined period. The period can be any length, up to an entire GL period.

In periodic costing, costs are recalculated for each period, and a new average cost is defined according to what happened during that period-so no amounts need to be posted to variance accounts. Under most circumstances, periodic costing considers the beginning balance of the item while it is performing calculations. It then batch generates GL transactions based on the calculations.

Periodic costing includes functionality to support IFRS requirements. You can set the costing method to WAVG, FIFO, or LIFO and numerous reports are provided, including legal reports. Periodic costing calculates the cost of items periodically and generates GL transaction according to the period costs for all costs, using either the WAVG, FIFO, or LIFO costing methods.

Depending on your company's preferences, you can set up periodic costing in two modes:

- Complete Mode. Periodic inventory costs are posted to the GL as calculated. In this mode, Create GL Transactions is set to No in Inventory Accounting Control (36.9.2). Complete mode is not frequently used and typically depends on local best practices, such as practices in Brazil.
- Adjustment Mode. The system performs unit cost adjustment on adjustment periods.

Note In general, customers adopt standard costing for periodic costing. When they do, they can still continue to use standard costing plus periodic costing calculations. These customers can use the adjustment mode.

When you use adjusted mode, you have instantaneous costing data; that is, you have GL transactions when you create the inventory transactions; with complete mode, you have transactions only at the end of the period. The instantaneous data approximates the periodic calculated unit costs.

Multinational companies can use standard costing to meet their management (online) accounting internal audit, and company requirements, while also using periodic costing functions for legal (end of period) accounting, or actual costs requirements or vice versa.

Periodic costing functions absorb normal hours activity. For each GL period, the labor/burden amount, either rate or total, considers the normal hours activity.

Table 38

Periodic Costing Menu Programs

Menu	Menu Label	Program Name
30.5	Periodic Costing Menu....	
30.5.1	PC Set-Up Menu...	
30.5.1.1	PC Periods Maintenance	pcbucmt.p
30.5.1.2	PC Period Browse	pcbr431.p
30.5.1.4	PC Periodic Cost Set Maintenance	pccsmt.p
30.5.1.5	PC Periodic Cost Set Browse	pcbr021.p
30.5.1.13	PC Grouped Site Maintenance	pclsrmt01.p
30.5.1.14	PC Grouped Site Browse	.pcbr436.p
30.5.1.23	Periodic Costing Initialize	pcinitmt.p
30.5.3	PC Work Center Rate Menu...	
30.5.3.1	PC Work Center Rater Maint	scwcmt01.p
30.5.3.2	PC Work Center Rate Inquiry	sciq13.p
30.5.3.3	PC Work Center Rate Report	scrp13.p
30.5.3.5	PC Work Center Rate Copy	scwccp01.p
30.5.3.13	PC Work Center Rate Update	scwcup01.p
30.5.5	PC Cost Adjustments Menu....	
30.5.5.1	PC Unit Cost Adjustment	pcptuadj.p
30.5.5.2	PC Total Cost Adjustment	pcpttadj.p
30.5.5.13	WO Component Cost Adjustment	pcwocadj.p
30.5.5.14	WO Operation Adjustment	pcwopadj.p
30.5.7	PC Calculation Menu....	
30.5.7.1	Periodic Cost Calculation	pccscal.p
30.5.13	PC Inventory Reports Menu...	
30.5.13.1	Inventory Valuation Browse	icbr999.p
30.5.13.2	Inv Detail by PC Cost Browse	icbr997.p
30.5.13.11	Current Surplus Inventory Browse	icbr901.p
30.5.13.12	Project Surplus Inventory Browse	icbr902.p
30.5.13.13	Inventory Trans Detail Inquiry	ictriq03.p
30.5.13.14	Inventory Trans By Item Report	ictrrp06.p
30.5.13.15	Inventory Trans By Order Report	ictrrp05.p
30.5.13.17	Item Transaction Report	NET UI only
30.5.15	PC Operations Reports Menu...	
30.5.15.1	PC Work Order WIP Cost Report	pcworp09.p
30.5.15.2	PC WO WIP History Report	pcworp03.p
30.5.15.3	WIP Adj Valuation Report	pcwipadjrp.p
30.5.15.4	WIP Scrap Valuation Report	pcscraprp.p
30.5.15.5	Operation Trans Detail Inquiry	pcopiq01.p
30.5.17	PC Accounting Reports Menu...	
30.5.17.1	PC & Standard Costs Report	pcstdcs.p
30.5.19	PC Regional Reports Menu...	
30.5.19.1	Inventory and SF Movement Report	NET UI only
30.5.19.2	Inventory and WIP Balance Report	NET UI only
30.5.24	Periodic Costing Control File	pcctrl.p

Introduction of Master and Production Scheduling Workbenches

Successful planning and scheduling deals with analysis, review, and manipulation of all data that impacts production departments, work centers, production lines, machines, production orders, and other related resources of the manufacturing process. It also requires complex calculations that are immediately applied to production plans, schedules, or any supporting data. More importantly, it requires immediate display of calculation results, especially when planning or scheduling issues arise as a result of the calculations.

Before, the process of planning and scheduling was an iterative one. That is, planners and schedulers typically ran MRP; determined changes to the master schedule, then made updates; ran CRP to verify a balanced capacity; adjusted the master schedule for capacity issues; re-ran MRP to calculate materials; then, repeated this process for BOM lower levels. These steps were time consuming, and therefore, not feasible for today's fast-paced and dynamic manufacturing environments.

Now, a new planning and scheduling toolset is available that integrates the master and production scheduling processes into a single application, synchronizing the scheduling analysis and actions into a unified, fluid motion. The toolset includes all relevant data so that you can make intelligent decisions. This is an entirely new solution that lets you effectively and efficiently create a master and/or production schedule from a single view, whether you are in a discrete, repetitive, or mixed-mode environment.

The Planning and Scheduling Workbench is available in QAD's .NET UI architecture. The toolset provides the following:

- Master Scheduling Workbench (MSW)
- Production Scheduling Workbench (PSW)
- Integrated component check capabilities
- Several QAD EE programs and browses that provide supporting information
- The flexibility to modify and configure virtually every aspect of the UI to reflect the needs of each application user in your organization

MSW and PSW features let you build plans and schedules in less time, meeting customer demands while at the same time optimizing the shop floor. Creating a schedule is only one part of the equation, though, as material availability determines if the schedule can execute. For this reason, several integrated material shortage-monitoring features are also available to help you make realistic and intelligent planning and scheduling decisions.

Master Scheduling Workbench (MSW)

The MSW increases master scheduling efficiency by letting you simulate and commit scheduling changes, factoring demand, supply, inventory, production orders, and MRP data from several QAD EE programs in a single workbench.

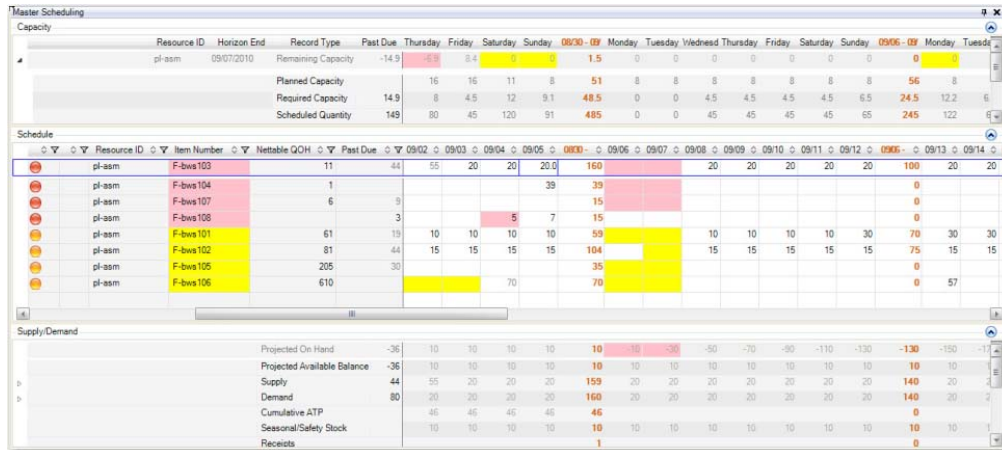
Note Production orders are all orders associated with production—production lines, work centers, or other production areas—including discrete orders, repetitive orders, scheduled orders, cumulative orders, and so on.

You can use the MSW to interact with production line and work center schedules and make changes where necessary. Within MSW, you can update the production order status, as well as release, create, or close production orders, while considering all supply, demand, and capacity sources from the single workbench. You can also identify items with demand issues, and check component availability for each production order to be released.

User-configurable parameters control the number of days that you are in control of the schedule as opposed to MRP control. You can also set the number of future and historical days to which you want visibility to your production data in the MSW.

Event-based color coding lets you easily identify areas of concern. You can review and manipulate schedule and production order data. Once satisfied, saving your schedule creates firm repetitive production schedules or revised and new production orders in QAD EE applications. The following graphic depicts the MSW.

Fig. 1
MSW

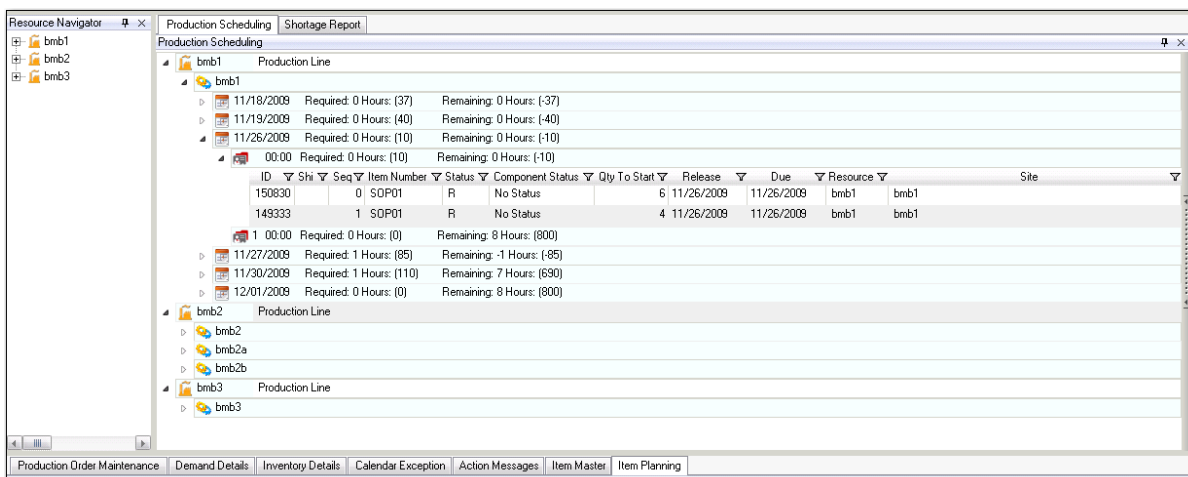


Production Scheduling Workbench (PSW)

Once you generate a master production schedule over a daily, weekly, or monthly horizon, you may need to create a production schedule for a shorter, two-to-five day period for the shop floor to drive shop floor execution. The production scheduling goal is to optimize shop floor efficiency by scheduling and sequencing production orders that have like attributes together, reducing machine setups and maximizing labor utilization.

Some companies run a single production order over several days, while others run multiple production orders within a single day. Further, some companies define a production sequence/priority by shift to monitor shift performance or to ensure that products are available for a specific shipment time. The PSW lets you schedule discrete and repetitive items on production lines. You can schedule, sequencing items within a day and shift. The following graphic depicts the PSW.

Fig. 2
PSW



Component Availability Check (CAC)

The MSW and PSW provide for integrated component checking capabilities, which enable you to verify that materials are available to meet your plan and/or schedule. This is particularly crucial if you have material constraints and want to ensure that materials are available before you release production orders to the shop floor. The following graphic depicts the Component Status column within the PSW.

Fig. 3
Component Status

ID	Shi	Seq	Run	Seq 1	Item Number	Sta	Component Status	Quantity Ordered	Open Quantity	Release
90010	0	Large	F-bws107	R			Shortage	10	4	08/30/2010
13780	0	Large	F-bws101	E			Available	9	9	08/31/2010
14955	0	Medium	F-bws102	E			Available	14	14	08/31/2010
90005	0	Small	F-bws103	E			Available	20	20	08/31/2010
90011	0	Large	F-bws107	F			Projected Shortage	5	5	08/31/2010
90003	1	Small	F-bws103	E			Available	5	4	08/31/2010
12699	0	Medium	F-bws105	E			Available	20	20	09/01/2010
12701	0	Medium	F-bws105	E			Available	10	10	09/01/2010
13781	0	Large	F-bws101	E			Available	10	10	09/01/2010
14958	0	Medium	F-bws102	E			Projected Shortage	30	30	09/01/2010
90006	0	Small	F-bws103	E			Authorized Receipts	20	20	09/01/2010
90015	0	Medium	F-bws108	F			Available	3	3	09/01/2010

Programs with Supporting Schedule Data

When the MSW or PSW identify a potential problem in the plan or schedule, you can use supporting programs provided in the form of tabs to help you find the cause of the problem. Supporting tabs shared between both workbenches include:

- Production Order Maintenance

Production Order Maintenance lets you view individual item production order supply records for items that display in the MSW Schedule Grid or PSW Sequence Grid. You can view, monitor, and interact with all elements of a production order, such as changing the setup time or routing codes, or adding special instructions.

- Demand Details

When you make selections in the MSW or PSW, the Demand Details tab reflects demand data for your selection. This helps you determine whether the item supply is related to actual customer demand, forecast demand, or other types of demand, such as safety stock demand. This information is useful, for example, when capacity is at a maximum for the day or when materials are not available for master schedule dates.

- Inventory Details

The Inventory Details tab displays the item number, site, quantity on hand, inventory master data, location, lot/serial, status, expiration date, and the date created.

- Calendar Exception

Occasionally, exceptions to production line capacity can occur; for example, overtime and machine downtime. When you set up shifts in QAD EE programs, you can enter exceptions to the normal operating hours by entering an adjustment in the Calendar Exception tab. The adjusted information is displayed and is maintainable in the Calendar Exception tab within the MSW/PSW.

- Action Messages

The Action Messages tab displays MRP-generated actions.

- Item Master

The Item Master tab provides critical planning and scheduling information through a browse of active fields. The frame lets you view/manage items on multiple resources at once.

- Item Planning

The Item Planning tab displays item master/planning details for a selected item. At any point during the scheduling process, you can refer to the Item Planning tab to find information to identify lead time, order quantity, and so on. If an item-site record exists, planning data from item-site record display for the selected item-site record.

- Shortage Report

An additional tab in the planning and scheduling toolset lets material planners and expeditors use shortage-monitoring features to run a report; then, notify affected customers/suppliers and make corrections to shortages.

Figure 2 on page 32 shows the Shortage Report tab as well as the tabs for other supporting programs and data.

You must have an active Maintenance license, registered through QAD EE License Registration (36.16.10.1), before you can access the MSW or PSW. If you do not have an active Maintenance license, the system displays an error message when you attempt to access the workbenches. The system displays a warning if the active Maintenance license is close to the license expiration date. Refer to *Administration Guide: Planning and Scheduling Workbench* for more information about the MSW and PSW license key or to *User Guide: QAD Security and Controls* for information on registering the license key in QAD EE.

Component Availability Check Browse Collections

Three existing .NET UI Component Availability Check Browse Collections were renamed for this release, and three additional browse collections were added. The Progress program names remained the same for the renamed programs.

Table 39
Renamed Component Availability Browse Collections

Former Name	New Name	Program Name
Component Check by Work Order/Production Line	Release Production Orders by Production Line	qpbr003.p
Component Check by Work Order/Work Center	Release Production Orders by Work Center	qpbr005.p
Component Check by Item/Work Order	Monitor Material Shortages	qpbr006.p

Three new component check browse collections were added; however, the new browse collections have the same program name as those for the three existing component check browse collections.

Table 40
New Component Availability Browse Collections

Name	Program Name
Manage Materials for Production Line	qpbr003.p
Manage Materials for Work Center	qpbr005.p
Purchase Direct Materials	qpbr006.p

Manage Materials for Production Line

Materials personnel can use Manage Materials for Production Line to:

- Create material picklists

- Transfer materials to production line locations

The functions provided in this collection support repetitive production order types. This collection is similar to Release Production Orders by Production Line and includes material picking and transferring functions. The programs available in the browse collection include:

- Production Order Component List
- Supply Demand Summary and Details
- Inventory Detail by Site
- Transfer Single Item
- Repetitive Picklist Calculation, Print, Transfer, Undo, and Delete

Manage Materials for Work Center

Materials personnel can use Manage Materials for Work Center to:

- Release work orders
- Issue component materials to work orders

The functions associated with this collection support discrete production order types. This collection is similar to Release Production Orders by Work Center and includes material picking, issuing, and transferring functions. The programs available in the browse collection include:

- Production Order Component List
- Supply Demand Summary and Details
- Inventory Detail by Site
- Work Order Release/Print
- Work Order Component List

Purchase Direct Materials

Buyers or planners who are responsible for ensuring available material to support production can use Purchase Direct Materials to quickly identify the components they manage and determine if there are shortages that impact production.

The system calculates availability and lets you view production order component status in terms of shortage severity. That is, you can easily determine which production order components have a shortage and the level of severity for the shortage. Because you can view time-phased supply and demand, you can know your supply and demand based on any given item, date, or production order. You can:

- Select from a wide range of item attributes to include.
- Identify which items have component material shortages related to them.
- Identify the production order related to the shortage.
- Locate and determine the cause of material shortages.
- Use the Next Scheduled Receipt column to view dates of the next scheduled receipt of the item.
- Use functions in the collection to review or create purchases for an item.

Knowing this information helps buyers or planners know when to generate purchase orders for direct material requirements.

New Customer Management Reports

QAD 2010.1 Enterprise Edition includes more than 100 reports in Customer Management areas that have been rewritten using QAD Reporting Framework to provide a significantly improved reporting capability to users of the QAD .NET UI.

This is part of an ongoing QAD effort to upgrade reports throughout the system, building on the powerful filtering and report-generation tools available in .NET and QAD Reporting Framework. Subsequent Enterprise Edition releases will introduce additional new reports.

In some cases, multiple reports have been combined into a single access point. For example, the legacy menu has individual items for Sales Quote by Quote Report and Sales Quote by Customer Report. The new report uses .NET filtering tools to combine the functions of both into a single menu item, Sales Quote Report.

Note The legacy versions of the reports are still available in their original menu locations.

You can access the new reports in several ways:

- By entering the report title in the menu search field. The search result lists two occurrences. The new version displays with an asterisk (*); the legacy version does not.
- By entering the new menu number in the menu search field. New reports are assigned to submenus on menu 75.10, as shown in Table 41.

Note You cannot access a new report by entering a Progress program name.

- By navigating in the menu tree to Customer Management|Customer Management Roles|Reports. The new reports are categorized in subdirectories based on the legacy report menu locations; for example, Sales Order Reports Menu.
- By selecting the new report from the Reports tool bar button in the associated role-based Customer Management collection. These collections, which are available under the Customer Management Roles menu, include:
 - Customer Service Center, which is new in this release
 - Shipping Center, which is new in this release
 - Customer Support Center (previously called Contact Center Collection)

Note QAD has also added numerous browses to support the new Customer Management reports and collections.

Table 41 New Customer Management Reports

Legacy Menu	Report Title	Legacy Program	New Menu	New Report Title
1.8.17	Analysis Code Report	ppacrp01.p	75.10.2.1	Same
1.10.1.3	Price List Report	pppirp01.p	75.10.9.2	Same
1.10.3.3	Cust Schedule Price List Report	ppcspcrp.p	75.10.9.6	Same
1.10.3.4	Cust Schedule Price List By Item	ppcspcr2.p	75.10.9.1	Same
1.23.3	Item Replacement Report	ppptrerp.p	75.10.2.4	Same
1.23.8	Item Up/Cross Sell Report	ppptuprp.p	75.10.2.3	Same
2.5.4	Salesperson Master Report	adsprp.p	75.10.18.3	Same
2.5.13	Salesperson Commission Report	adsprp01.p	75.10.18.2	Same
2.5.14	Salesperson Bookings Report	adsprp02.p	75.10.18.1	Same
2.5.15	Salesperson Shipments Report	adsprp09.p	75.10.18.4	Same
2.5.16	Salesperson Payments Report	adsprp03.p	75.10.18.5	Same

Table 41 — New Customer Management Reports (1 of 4)

Legacy Menu	Report Title	Legacy Program	New Menu	New Report Title
2.18.5	Shipping Group Report	sosgrp.p	75.10.13.7	Same
2.20.12	Freight Charges Report	sofrcrp.p	75.10.12.1	Same
7.1.3	Sales Order Print	sosorp05.p	75.10.3.16	Same
7.1.8	Available Kit Quantity to Ship	sosoktrp.p	75.10.3.19	Available Kit Quantity to Ship Report
7.1.15	Sales Order Credit Report	socrrp.p	75.10.3.7	Same
7.3.15	Customer Scheduled Order Report	rcsorp.p	75.10.23.1	Same
7.5.10	Schedule Report	rcrp01.p	75.10.23.2	Same
7.5.13	Req Ship Schedule Summary Report	rcrp07.p	75.10.13.14	Same
7.5.14	Req Ship Schedule Detail Report	rcrp09.p	75.10.13.13	Same
7.5.20	Shipment History Report	rcrp08.p	75.10.23.4	Same
7.5.21	Ship Schedule Variance Report	rcrp15.p	75.10.13.8	Same
7.5.22	Ship to Plan Variance Report	rcrp16.p	75.10.13.9	Same
7.5.4.7	Sequence Schedule Report	rcrp05.p	75.10.13.11	Same
7.5.4.16	Sequence Schedule Variance Rpt	rcsqrp01.p	75.10.23.5	Same
7.9.6	Pre-Shipper/Shipper Report	rcshrp01.p	75.10.13.5	Same
7.9.9	Sales Order Shipper Print	rcrp11.p	75.10.13.15	Same
7.9.13	Sales Order Packing List	sosopk.p	75.10.13.16	Same
7.9.16	Shipper Report	sososhrp.p	75.10.13.6	Same
7.9.18	Backlog/Missed Shipment Report	soshprp5.p	75.10.13.4	Same
7.9.11.13	Hierarchy Report	sohierrp.p	75.10.13.1.1	Same
7.9.11.14	Rules Report	sorulerp.p	75.10.13.1.2	Same
7.9.12.1	Bill of Lading Print	rcrp12.p	75.10.13.3.1	Same
7.9.12.4	Master Bill of Lading Print	rcmbrp.p	75.10.13.3.2	Same
7.9.17.10	Missing Reason Code Report	soshprp6.p	75.10.13.2.1	Same
7.9.17.17	Reason Code Analysis Report	soshprp1.p	75.10.13.2.2	Same
7.12.3	Sales Quote Print	sqqorp05.p	75.10.19.3	Same
7.12.13	Sales Quote by Quote Report	sqqorp.p	75.10.3.12	Sales Quote Report
7.12.14	Sales Quote by Customer Report	sqqorp01.p	75.10.3.12	Sales Quote Report
7.12.15	Sales Quote by Item Report	sqqorp02.p	75.10.19.4	Same
7.12.16	Sales Quote Gross Margin Report	sqqorp08.p	75.10.19.1	Same
7.13.6	Correction Invoice Link Report	socilkrp.p	75.10.6.1	Same
7.13.8	Invoice History Report	soivrp09.p	75.10.6.3	Same
7.13.15	Invoice Price History Report	sopirp02.p	75.10.6.2	Same
7.15.1	Sales Orders by Order Report	sosorp.p	75.10.3.11	Sales Order Report
7.15.2	Sales Orders by Customer Report	sosorp01.p	75.10.3.11	Sales Order Report
7.15.3	Sales Orders by Item Report	sosorp02.p	75.10.3.18	Same
7.15.5	Sales Order Gross Margin Report	sosorp08.p	75.10.3.8	Same
7.15.7	Sales Order Pricing Report	sopirp01.p	75.10.3.9	Same
7.15.9	Unconfirmed Sales Order Report	sosorp16.p	75.10.3.10	Same
7.15.11	EMT Tracking Report	sobtbrp.p	75.10.3.17	Same
7.15.12	Orders to Ship Report	sotsrp.p	75.10.3.13	Same
7.15.14	Booking Transaction Report	sosorp03.p	75.10.3.2	Same

Table 41 — *New Customer Management Reports* (2 of 4)

Legacy Menu	Report Title	Legacy Program	New Menu	New Report Title
7.15.15	Booking Trans Summary by Item	sosorp15.p	75.10.3.3	Same
7.15.16	Sales Order Picked not Shipped	sopinirp.p	75.10.3.20	Sales Order Picked not Shipped Report
7.15.18	Shipment Transaction Report	sosorp04.p	75.10.3.21	Same
7.15.19	Shipment Trans by Cust Report	sosorp09.p	75.10.3.22	Same
7.15.20	Sales Order Shipped not Invoiced	sosinirp.p	75.10.3.4	Same
7.15.21	Trans Summary by Item Report	sosorp11.p	75.10.3.6	Same
7.15.22	Trans Summary by Cust Report	sosorp12.p	75.10.3.5	Trans Summary by Cust Report
7.15.23	Trans Summary by Cust by Item	sosorp13.p	75.10.3.5	Trans Summary by Cust Report
7.17.6	Salesperson Ranking Report	sasarp04.p	75.10.8.5	Same
7.17.10	Sales by Site Report	sasarp06.p	75.10.8.4	Sales by Item/Site Report
7.17.14	Sales by Customer Report	sasarp03.p	75.10.8.3	Same
7.17.15	Customer Ranking Report	sasarp01.p	75.10.8.1	Same
7.17.18	Sales by Item Report	sasarp05.p	75.10.8.4	Sales by Item/Site Report
7.17.19	Item Ranking Report	sasarp02.p	75.10.8.2	Same
7.18.4.1	Consignment Inventory Report	ppptrp10.p	75.10.4.3	Same
7.18.4.2	Consignment Inventory by Loc	iclorp02.p	75.10.4.4	Consignment Inventory by Location Report
7.18.4.3	Consignment Inventory by Order	socnrp01.p	75.10.4.1	Consignment Inventory by Order
7.18.4.4	Consignment by Order with Seq	socnrp06.p	75.10.4.1	Consignment Inventory by Order
7.22.19	Container Usage Report	ccurp.p	75.10.5.2	Same
8.3	Configured Structure Report	fopsrp.p	75.10.2.2	Same
8.6	Sales Order Bill Report	fosobrp.p	75.10.3.15	Same
8.9	Sales Quote Bill Report	fosqbrp.p	75.10.19.2	Same
11.1.19.5	Warranty Cost Report	fswarrp.p	75.10.16.2.1	Same
11.1.3.5	Pending Call Data Report	fspcrp2.p	75.10.16.1.1	Same
11.1.3.21	Pending Call Profile Report	fspcrp1.p	75.10.16.1.2	Same
11.3.2	Installed Base Configuration Report	fsbmisiq.p	75.10.11.3	Same
11.3.3	Installed Base Report	fsisrp02.p	75.10.11.2	Same
11.3.17	Warranty Type Report	fssvwrp.p	75.10.11.6	Same
11.3.21	Installed Base Marketing Letters	fsletrp.p	75.10.11.4	Same
11.3.12.3	Field Notification Report	fsfnrp.p	75.10.11.1.1	Same
11.5.12	Contract Type Report	fssvsrp.p	75.10.1.3	Same
11.5.13.21.1	Contract Cash Flow Report	fssarp06.p	75.10.1.2.1	Same
11.5.13.21.2	Contract Deferred Income Report	fssarp07.p	75.10.1.2.2	Same
11.5.13.21.5	Limits Consumption Report	fssalrp.p	75.10.1.2.3	Same
11.5.18.14	Billing Detail Report	fssarp08.p	75.10.1.1.2	Same
11.7.1.15	RMA Shipping Report	fsmrmp06.p	75.10.17.2	Same
11.7.1.18	RMA by RMA Number Report	fsmrmp01.p	75.10.17.4	RMA by Item/Customer/RMA Report

Table 41 — *New Customer Management Reports* (3 of 4)

Legacy Menu	Report Title	Legacy Program	New Menu	New Report Title
11.7.1.19	RMA by Customer Report	fsrmrp02.p	75.10.17.4	RMA by Item/Customer/ RMA Report
11.7.1.20	RMA by Item Report	fsrmrp03.p	75.10.17.4	RMA by Item/Customer/ RMA Report
11.7.1.21	RMA by Completion Due Report	fsrmrp05.p	75.10.17.3	Same
11.7.3.15	RTS Picklist Print	fsrtrp08.p	75.10.17.1	Same
11.7.3.18	RTS by RTS Number Report	fsrtrp01.p	75.10.17.6	RTS by Item/Supplier/RTS Report
11.7.3.19	RTS by Supplier Report	fsrtrp02.p	75.10.17.6	RTS by Item/Supplier/RTS Report
11.7.3.20	RTS by Item Report	fsrtrp03.p	75.10.17.6	RTS by Item/Supplier/RTS Report
11.7.3.21	RTS by Completion Due Report	fsrtrp05.p	75.10.17.5	Same
11.9.15	Customer History Report	fscustrp.p	75.10.3.14	Same
11.11.9	MO Pending Return Report	fspenrp.p	75.10.15.5	Same
11.11.11	Open Material Order Report	fseorp1.p	75.10.15.4	Same
11.11.12	Material Order Backlog Report	fseodl.p	75.10.15.3	Same
11.11.13	Material Order Shipment Report	fseorp2.p	75.10.15.2	Same
11.17.3	Service Pricing Report	fsfpcrp.p	75.10.9.3	Same
11.19.7	Service Structure Report	fspsrp.p	75.10.20.1	Same
11.22.1	Accrued Revenue Report	New	75.10.1.1.1	Deferred/Accrued Revenue Report
11.22.2	Deferred Revenue Report	New	75.10.1.1.1	Deferred/Accrued Revenue Report
11.22.3	ISB Item Tracking History Report	New	75.10.11.5.1	Same
28.17.18	Open Logistics Charge Report	laaprp02.p	75.10.14.3	Same
29.22.18	Intrastat Declaration Exchange	iehrpe.p	75.10.10.2	Same
29.22.22	Intrastat History Report	iehhtytp.p	75.10.10.5	Same
29.22.21.19	Extrastat Declaration Print	iehexp.p	75.10.10.1.1	Same
29.22.21.20	Extrastat Declaration Reprint	iehexrrp.p	75.10.10.1.2	Same

Table 41 — *New Customer Management Reports* (4 of 4)

QAD Warehousing Updates

New features and enhancements for QAD Warehousing include the following:

- Warehouse staff can now use the RF device to receive messages sent to warehouse staff from QAD Warehousing users.
- Warehouse supervisors or managers can now use alerts to notify warehouse staff of potential issues before they become critical or to send automated information to customers about their order or shipment.
- The RF Receipt functionality (1.8) was simplified and expanded so that it now handles a variety of receipt types and replaces the RF PO Receipt (1.8) function.
- A new RF Shipment (1.9) option was added to handle a variety of shipping.
- New inquiries were added to the RF Menu.
- The following control programs were added to Warehouse Control Table Report (4.23.24) so that you can display QAD Warehousing setup:

- Location Forecast Control (4.3.19.24)
- Order Management (4.13.24)
- Quality/Inspection Control (4.19.24)
- External Device Control

Note External Device Setup (4.23.22) provides control options.

- For Batch Picking Control (4.15.24):
 - A new Weight UM field was added. The Weight UM field lets you specify the unit of measure in which each transaction's weight is calculated on the main batch picking selection screen.
 - A new Blank Reference field was added. The Blank Reference field lets you indicate whether the system retains the pallet reference number or blanks the reference number when RF users confirm a transaction when the Container/Reference field in Batch Picking Control is set to Container.
 - The Height field was removed.
- Two fields, Picking Type and Expire Date (Days), were moved from the Transaction Confirmation Defaults frame to the Picking frame in both Warehouse Maintenance (4.1.1) and Warehouse Control (4.1.24).
- A new Default Alternate Unit of Measure by Address field was added to Address Whse Detail Maint (4.13.13) that lets you enter a default alternate unit of measure by address as defined in Alternate Unit of Measure Maint. The system uses this field with the RF Receipts option to set the default alternate UM when warehouse staff scan a new pallet during a receipt.
- The Allow Lot Ref field was added to the Picking frame of Warehousing Maintenance (4.1.1). Setting this field to Yes lets you use QAD Warehousing and RF functionality to specify a different pallet or reference other than the one the system selected to fill an order.
- You can now add prefixes to the Order and Address fields in Barcode Prefix Maintenance (4.23.17). This program lets you define a one- to four-digit prefix for certain fields.

Minor Operational Enhancements

Operational Transaction Post

Operational Transaction Post (25.13.7) now contains a new selection parameter, Type, which lets you specify a transaction type to post. If you leave the field blank, the program posts transactions regardless of their transaction type.

The possible transaction types are:

- FA: Fixed Assets
- IC: Inventory Control
- SO: Sales Orders (non-invoice transactions only)
- WO: Work Orders

Invoice Post and Print

A new Error Summary field has been added to Invoice Post and Print. If you select this field, any warnings or errors raised during invoice processing are displayed together at the end of the report. If this field is cleared, Invoice Post and Print displays any warnings or errors with the invoice that has caused the issue, as before.

Dynamic Time Fence in MRP

A new field in MRP Control (23.24) provides an optional method of preventing scheduled receipts from far in the future from affecting when new planned orders are created.

Leave the Max Dynamic Time Fence field set to the default value (0) to continue to use the current method of determining the time fence based on the default value for the item or item-site.

When the new field is greater than the Time Fence defined for the item or item-site, the system uses the larger value to calculate a time fence based on the due date of the last order due within the defined period.

Updating Trade Sales Scheduled Orders

You can use the new Edit Trade Sales Orders field in Supplier Shipping Sched Control (5.5.7.24) to determine whether users can use Supplier Scheduled Order Maintenance to update orders that were created by Trade Sales.

When this field is No, you cannot directly update Trade Sales supplier scheduled orders.

Regardless of this setting, you cannot delete a Trade Sales order using Supplier Scheduled Order Maintenance.

Security and Controls Updates

Segregation of Duties

QAD Enterprise Applications now provide you with the option to implement segregation of duties.

Segregation of duties refers to the notion that the duties of individuals in an organization should be limited to certain areas of responsibility, so as to minimize the ability of any individual to misappropriate company property—without collusion between individuals. SOD prevents a single user from performing two or more phases of a transaction or operation. If a person can commit and conceal errors, irregularities, or both while performing day-to-day activities, they have generally been assigned or allowed access to incompatible duties or responsibilities.

Segregation of duties is achieved in the system by assigning application resources to a finite number of user-defined SOD categories. An *SOD category* is a way of grouping compatible system activities.

When SOD categories are defined within the system, you specify which SOD categories are mutually exclusive. SOD compatibility constraints are stored in the system as pairs in an SOD category matrix.

If two categories are compatible, a single user is permitted to have access to application resources that exist in both of these categories without violating a defined segregation of duties policy. Conversely, if two categories are incompatible, a single user is permitted to have access to a function in either category, but not both.

To ensure that segregation of duties provides adequate internal control within your organization, a user cannot have access privileges to any functions that belong to mutually exclusive categories.

The system verifies the integrity of your defined SOD policy by ensuring that the following two rules are not violated.

- Rule 1 verifies that the assignments specified do not violate role permissions compliance; that is, all the resources to which a role grants access must be associated with compatible segregation of duties categories.

- Rule 2 verifies that the assignments specified do not violate role membership compliance; that is, all roles to which a user belongs must be associated with compatible segregation of duties categories.

Each system user is logically associated with a set of SOD categories, indirectly, through the user's role assignment.

SOD Rule Checking

When you add a resource to the list of resources allowed for a role in Role Permissions Maintain, the system validates the assignment to verify if all the role functions belong to compatible segregation of duties categories (Rule 1 validation). If Rule 1 is violated, the system blocks the role permissions updates, and returns an error message indicating the cause of the violation.

When you add a resource to the list of resources allowed for a certain role, the system also checks that roles to which a user belongs are associated with compatible segregation of duties categories (Rule 2 validation). If Rule 2 is violated, the system displays a warning and saves the change. However, an entry is created in the SOD log.

When a user is added to a role, the system runs checks to validate that the roles to which the user belongs to have compatible SOD categories (Rule 2 validation). If the roles have incompatible SOD categories and Rule 2 is violated, the system blocks the role membership update and displays an error.

If you remove a user from a role, the system runs checks before and after the update to determine the status of role membership violations. If the deletion fixes an existing violation, the system creates entries in the SOD log to reflect this.

Configure SOD

You activate SOD using SOD Configuration. The SOD Block All Violations field in SOD Configuration controls whether the system should block any changes to role-based security that would allow users to access conflicting resources. If this field is not selected, administrators are not blocked from providing users with access to functions with conflicting SOD categories. However, a violation is raised and written to the SOD logs.

SOD Categories

Use SOD Category activities (36.3.27.1) to create, modify, view, and delete SOD categories. SOD categories are used to group business activities that share similar characteristics within an organization. You can also use SOD Category Excel Integration to export SOD category records to or load records from an Excel spreadsheet.

SOD Matrix

Use SOD Matrix Maintain (36.3.27.3) to specify if an SOD category is compatible with another SOD category. The system stores the compatibility constraints you specify as a matrix, which is represented as a set of pairs of SOD category codes. When you define categories, they are compatible with all other categories by default.

SOD Matrix Maintain also contains options that let you export SOD matrix data to Excel, maintain the data offline, and re-import the data using Excel integration. When importing from Excel, if there are two entries in the SOD matrix spreadsheet for the same SOD category combination, you must modify both rows if you want to update the SOD matrix for these categories. If you modify one row, for example, to add comments

or deselect the compatibility indicator, but do not make an identical modification to the other row, the system displays a screen indicating that conflicts exist. For every conflict found, you must indicate which of the conflicting pairs you want to import.

Linking Resources to Categories

Use SOD Category Membership Maintain (36.3.27.4) to maintain associations between an application resource—that is, an activity or a program represented by a menu item—and an SOD category.

An application resource can be associated with only one category or with no category.

- If associated with a category, the resource is only compatible with other resources that are associated with resources with the same SOD category, with resources that have a compatible SOD category, and with all resources that are not linked to an SOD category.
- If associated with no category, the resource is compatible with any other application resource, regardless of the SOD category to which those resources may be attached.

SOD Category Membership Maintain contains options that let you export resource and SOD category data to Excel, maintain the data offline, and re-import the data using Excel integration.

Exclusions and Exceptions

To allow for situations where a technical user account, for example, an integration user, needs access to all system functions, you can define roles that are exempt from SOD rules using SOD Role Exclusion. SOD role exclusion is the highest level of SOD policy exception.

To accommodate situations—a staff shortage, for example—where a user might need to participate in more than one part of a business process, you can define SOD policy exceptions by using SOD Policy Exception Create.

SOD Import and Export

Excel

SOD Import/Export lets you create and load default data for SOD categories, matrices, and resource assignments using a single Excel spreadsheet. The function lets you check for role permission (Rule 1) and role membership (Rule 2) violations before saving the data to the database.

The Excel spreadsheet you import and export using SOD Import/Export contains three worksheets:

- SOD Categories
- SOD Matrix
- Resource

When importing from Excel, if there are two entries in the SOD matrix spreadsheet for the same SOD category combination, you must modify both rows if you want to update the SOD matrix for these categories. If you modify one row, for example, to add comments or deselect the compatibility indicator, but do not make an identical modification to the other row, the system displays a screen indicating that conflicts exist. For every conflict found, you must indicate which of the conflicting pairs you want to import.

XML

You can also export SOD data to an XML file to create default XML data that can be loaded during the deployment process. You can also import data from an XML file, which facilitates the loading of default data.

The following data can be exported and imported through XML:

- Roles
- Role permissions
- SOD categories
- SOD matrix
- SOD resource linking

Reports and Views

The SOD Violations report and the SOD Log Viewer let you view current SOD policy violations and a violations history file, respectively.

The SOD Rule 1 Violation Exceptions View and the SOD Rule 2 Violation Exceptions View let you display details of role permission violations and role membership violations respectively.

Archiving

SOD violations that arise during SOD maintenance are recorded in a log. SOD Log Archive lets you archive log table records.

New and Modified Programs

New Programs

Table 42 lists the new SOD programs.

Table 42
New Programs for SOD

Menu	Label	Program
36.3.27.1.1	SOD Category Create	BSODCategory.Create
36.3.27.1.2	SOD Category Modify	BSODCategory.Modify
36.3.27.1.3	SOD Category View	BSODCategory.View
36.3.27.1.4	SOD Category Delete	BSODCategory.Delete
36.3.27.1.5	SOD Category Excel Integration	BSODCategory.ExcelIntegration
36.3.27.2.1	SOD Policy Exception Create	BSODPolicyException.Create
36.3.27.2.2	SOD Policy Exception Modify	BSODPolicyException.Modify
36.3.27.2.3	SOD Policy Exception View	BSODPolicyException.View
36.3.27.2.4	SOD Policy Exception Delete	BSODPolicyException.Delete
36.3.27.3	SOD Matrix Maintain	BSODCategoryExclusion.Maintain
36.3.27.4	SOD Category Membership Maintain	BResource.LinkSODCategory
36.3.27.6	SOD Log Viewer	BSODLog.SODLogView
36.3.27.7	SOD Log Archive	BSODLog.Archive
36.3.27.8	SOD Role Exclusion	BRole.ExcludeFromSOD

Menu	Label	Program
36.3.27.9	SOD Violations Report	qadsh://menu/invoke?menu-key=A.6&menuitem-key=36.3.27.9
36.3.27.10	SOD Violations Rule 1 View	BSODViolationRule1.SODViolationRule1View
36.3.27.11	SOD Violations Rule 2 View	BSODViolationRule2.SODViolationRule2View
36.3.27.12	SOD Policy Exception Report	qadsh://menu/invoke?menu-key=A.6&menuitem-key=36.3.27.12
36.3.27.14	SOD Configuration	BSystem.SODConfigure
36.3.27.15	SOD Import/Export	BSystem.SODExcelIntegration

Modified Programs

Table 43 lists the modified programs for SOD.

Table 43
Modified Programs for SOD

Menu	Label	Program
36.3.6.5	Role Permissions Maintain	BRole.Permissions
36.3.6.6	Role Membership Maintain	BUserRole.Maintain

System Administration Updates

Time Zone and Time Stamp Changes

Domain Time Zone

Each domain can now be associated with a time zone, and all transactions in the domain are assigned system dates and times based on that time zone. Use the Time Zone field in the Domain record to specify the time zone that applies to a particular domain.

When using your QAD application, if you change to another domain with a different time zone, that time zone now applies and any transactions you create in that domain are assigned dates and times relative to the time zone you have switched to. When calculating the time zone offset, the system also determines whether daylight savings time is in effect for that time zone, and adjusts accordingly.

If the Use User's Time Zone for Default Domain field is activated in Database Control (36.24.1), your default time zone from User Maintenance (36.3.1) is used when you switch to your default domain. The Use User's Time Zone for Default Domain field is deactivated by default.

Modified Programs

Table 44 lists the modified programs for the domain time zone.

Table 44
Modified Programs for the Domain Time Zone

Menu	Label	Program
36.1.1.1.1	Domain Create	BDomain.Create
36.1.1.1.2	Domain Modify	BDomain.Modify
36.1.1.1.3	Domain View	BDomain.View

Setting the Default Time Zone

The Use User's Time Zone for Default Domain field in Database Control (36.24.1) affects the time stamping of transactions you create in the default domain. If the Use User's Time Zone for Default Domain field is selected, all transactions you create in the default domain are dated and time stamped according to the user time zone specified in User Maintenance (36.3.1), even if a different time zone is defined for the domain in the Domain record.

If the Use User's Time Zone for Default Domain field is deselected in Database Control, all transactions you create in the default domain use the time zone defined in the Domain record. The Use User's Time Zone for Default Domain field is deselected by default.

Important If you are using the optional Service/Support Management module and the Multiple Time Zone option is activated in Service Management Control (11.24) for any domain in the database, you should not activate this field.

Modified Programs

Table 45 lists the modified programs for the user's default time zone.

Table 45
Modified Programs for the User's Default Time Zone

Menu	Label	Program
36.24.1	Database Control	mgdbpm.p

Multiple Time Zones Maintenance

Multiple Time Zones Maintenance now includes three new fields that provide you with greater flexibility in specifying the start and end periods for daylight savings time.

The Month field lets you specify the month in which daylight savings starts or ends.

The Week field lets you specify the week in the month in which daylight savings starts or ends. You can use this field and the Month and Weekday fields to define cases where daylight savings time begins on a particular weekday in a month, rather than on a set date every year. For example, in the US, daylight savings time begins on the second Sunday of March and ends on the first Sunday of November.

The Day field lets you specify the particular day in a month on which daylight savings starts or ends. You can use this field and the Month field to define situations where daylight savings time begins on a particular date in the year.

Modified Programs

Table 46 lists the modified programs for daylight savings.

Table 46
Modified Programs for Daylight Savings

Menu	Label	Program
11.21.22.1 36.16.22.1	Multiple Time Zones Maintenance	fstzomt.p
11.21.22.2 36.16.22.2	Multiple Time Zones Inquiry	fstzoiq.p
11.21.22.3 36.16.22.3	Multiple Time Zones Report	fstzorp.p

Multiple Time Zone Utilities

You can now use the multiple time zone utilities to load your own time zone data.

QAD's default time zone data is loaded automatically during installation, and you need only use the Multiple Time Zone Load Utility if you want to load your own time zone data.

The Multiple Time Zone Load Utility and the Multiple Time Zones Startup Utility now include a new field in which you can specify the directory from which you want to load time zone data.

Modified Programs

Table 47 lists the modified programs for loading time zone data.

Table 47
Modified Programs for Loading Time Zone Data

Menu	Label	Program
11.21.22.24	Multiple Time Zones Startup Util	utmtzon.p
36.16.22.13	Multiple Time Zone Load Utility	uttzld.p

Change from Server Time Zone to Domain Time Zone

Due to the introduction of the Time Zone field in the Domain record, the server time zone concept no longer applies from this release. The Multiple Time Zone functions now use the domain time zone, where they previously used the server time zone.

The Multiple Time Zones Startup Utility no longer contains a Server Time Zone field. The utility now:

- Initializes all customer, end user, and engineer address records so that their associated time zones are set to the domain time zone.
- Initializes all user preference records defined with Service/Support User Preferences so that the user's preferred time zone is the domain time zone.

The Server Time Zone Change Utility is now obsolete, and no longer appears on the menu.

The Server Time Zone and Domain Time Zone fields have been removed from Service Management Control.

The Time Zone fields in the functions listed in Table 48 now use the domain time zone, where they previously used the server time zone.

Modified Programs

Table 48 lists the programs modified as a result of the change from server time zone to domain time zone.

Table 48
Modified Programs for Domain Time Zone

Menu	Label	Program
11.1.1.1	Call Maintenance	fscamt.p
11.1.1.13	Call Activity Recording	fscarmt.p
11.1.1.4	Call Print	fscarp.p
11.1.1.11	Call Quote Release to Recording	fscqca.p
11.1.1.12	Copy Call Quote	fscqcp.p
11.1.1.17	Call Labor Recording	fsclmt.p
11.1.3.23	Pending Call Setup Utility	fspcutil.p

Menu	Label	Program
11.9.1	End User Data Maintenance	adeumt.p
11.13.15.8	Engineer Assignment Maintenance	fsegtmt.p
11.13.15.9	Engineer Diary	fsegrp02.p
11.21.22.20	End User Time Zone Change Utility	uteutz.p
11.21.22.24	Multiple Time Zones Startup Util	utmtzon.p
11.21.23	Service/Support User Preferences	fsfsumt.p
11.24	Service Management Control	fsmg.p
36.3.1	User Maintenance	mgurmt.p
11.21.22.1	Multiple Time Zones Maintenance	fstzomt.p
36.16.22.1		
36.17.6	Control Tables Report	mgpmp.p
36.24.1	Database Control	mgdbpm.p

Obsolete Program

Table 49 lists the program that became obsolete as a result of the change from server time zone to domain time zone.

Table 49
Obsolete Program

Menu	Label	Program
11.21.22.22	Server Time Zone Change Utility	utsrvrtz.p

UTC and Transactions Outside Domains

Any transactions you perform before you log into a domain are recorded in Universal Time, Coordinated (UTC).

UTC was formerly known as Greenwich Mean Time (GMT), and uses a 24-hour system of time notation, where “1:00 am” in UTC is expressed as 0100. The use of UTC time ensures that administrators can easily compare times and dates across multiple time zones.

Any transactions that are not tied to a particular domain are also recorded in UTC; for example, session master, user monitor, user logon date, license violation, and product registration record updates.

Modified Programs

Table 50 lists the modified programs for the UTC time stamp.

Table 50
Modified Programs for UTC Time Stamp

Menu	Label	Program
36.3.2	User Inquiry	mguriq.p
36.3.23.12	Force Password Change Utility	utfrcpsw.p
36.3.3	User Password Maintenance	mgurmt.p
36.16.10.14	Summary License Violation Report ()	lvlvsrp.p
36.16.10.13	Detailed License Violation Report	lvlvdrp.p
36.16.10.1	License Registration	lvreg.p
36.16.10.3	Licensed Application Report	lvlarrpa.p
36.16.12	User Monitor Inquiry	lvmon.p

Customization Changes

Error Handling and Non-Intrusive Customization

System errors are triggered by Progress run-time when a Progress statement without the `no-error` option fails to execute. System errors are now handled by the standard business logic using the new try-catch mechanism of OpenEdge 10. You must then ensure that any sub-transaction block (for example, a `do` transaction, `for`, or `repeat` block) in your code includes the `on error undo, throw` option.

System errors are reported using `oiReturnStatus -98`.

Events Tab

When you use to Design Mode to customize a component-based UI screen, the Field List/Properties window now includes a new Events tab.

The Events tab lets you use the events and properties of UI controls to add basic UI customization code to UI elements. Examples of events include the following:

- Enter, which controls the behavior of a field when it gets focus.
- Leave, which controls the behavior of a field when it loses focus.

You can select an event from a list of available exposed events for each field or control on the screen for which you are using Design Mode. For any event you select, you can alter the properties of other fields and controls, and specify conditions under which the properties must be altered.

When you select an event, a button appears to the right of the event in the Code column. Click this button to open an editor in which you can enter custom C# code. When adding customized code using the Events tab, you can also interact with the backend business logic code using a generic method called `UICustomization`. The `UICustomization` method is defined at business component level, and is available from every adapter in the system.

Exporting and Importing UI Customizations

Two new functions let you import and export UI customizations.

- Use Export UI Customization (36.4.26) to export customizations for business component activities.
- Use Import UI Customization (36.4.27) to import customizations for business component activities.

New Programs

Table 51 lists the new programs for exporting and importing UI customizations.

Table 51

New Programs for Exporting and Importing UI Customizations

Menu	Label	Program
36.4.26	Export UI Customization	BControlProperty.Export
36.4.27	Import UI Customization	BControlProperty.Import

Class Data Items and Non-Intrusive Customization

You can now use non-intrusive customization to examine and update class data items using the generic `Get<DataType>Item` and `Set<DataType>Item` methods, where `<DataType>` is one of the following:

- Character

- Decimal
- Integer
- Int64
- Logical
- Memptr
- Longchar
- Raw
- Recid
- Rowid
- Handle
- ComHandle

These methods are only generated when at least one class data item of the respective data type is defined for the component. The logic includes a preprocessor variable called `&USEDATAITEMS`, which is available to all code. This preprocessor is a comma-separated list of data item names, and is passed in the include file reference definition `<component include file name>` in the custom code program.

Tracing the Execution of Customized Code

When Full Business Code Logging is enabled in Set Debug Level (36.24.3.5), the CT Logfile now traces the execution of customized code.

Modified Programs

Table 52 lists the modified programs for tracing the execution of customized code.

Table 52
Modified Programs for Tracing Execution of Customized Code

Menu	Label	Program
36.24.3.5	Set Debug Level	BSystem.SetDebugLevel
36.24.3.6	View CT Logfile	BSystem.ViewCTLog

Clear Logs Option in View CT Logfile

View CT Logfile now includes a Clear Log button, which clears the CT log file during an ongoing session for which the debug level is set. As a result, the system logs the business logic trace information.

Modified Program

Table 53 lists the modified program for clearing logs.

Table 53
Modified Program for Clearing Logs

Menu	Label	Program
36.24.3.6	View CT Logfile	BSystem.ViewCTLog

Making UI Caching Configurable

You can now configure the system to prevent the UI from automatically caching the result of method calls that are executed in the business logic to retrieve metadata for screens and browses. It may be important to

suppress caching in some situations; for example, if a method is customized, and does not return the same data in all cases.

You can suppress automatic caching using the `CachingExceptions` setting in the `client-session.xml` template, and `homeserver.config.template`. Typically, the `CachingExceptions` setting contains a list of components or query names that are normally included in the cache. You can then use the `CachingExceptions` setting to indicate that the system must suppress caching for calls to a particular component or query. If the `CachingExceptions` setting applies, the system does not write data to the cache for that query or methods called on that component.

Entity Data Security

The BLF framework now provides entity security mechanisms to enable developers to secure data views based on a user's entity access. Entity data security prevents users from viewing data belonging to entities to which the users do not have access.

Entity Data Report Filters

BLF entity security enables developers to create report filters that only retrieve report data for entities to which the user running the report has access. These filters can be applied to any component-based report.

If the Entity filter field contains a list of entities, but the user only has access to a subset of these, the report is run, but the invalid entities are removed from the filter. If the Entity filter field contains a list of entities, none of which are valid for the current user, the Entity filter field defaults to the current entity.

Entity Data Browse Filters

In some component-based browses, users can select data based on the entity code. BLF entity security is now applied to these Entity browse filters to ensure that they only display data for entities to which the user has access.

Changes to the Default Lookup for Entity Code

In prior BLF releases, the default lookup query for retrieving an entity code was `SelectCompany`. From the BLF 2010.1 release onwards, developers must use the `SelectCompanyForUser` query.

On the UI, the `LookupModifier` has been adapted to ensure that the `SelectCompanyForUser` query automatically filters on the current user.

The following UI forms have been modified to implement this change:

- `UserDomainEntityAccessForm`
- `UserRoleMembershipForm`
- `PostingHistRebuildForm`
- `DomainForm`
- `CreditorBalanceRebuildForm`
- `DebtorBalanceRebuildForm`

Changes to the `SelectCompanyForExtended` Query on `BCompany`

Any activity that operates on the `BCompany` component (entity) uses the `SelectCompanyForExtended` query to retrieve the entity value. A link has been added from `tCompany` to `tUsrCompany`, and from there

to tUsr so that developers can automatically filter on the current user. This change was implemented by modifying the LookupModifier to automatically filter on the current user when the SelectCompanyForExtended query is run.

Changes to the CompanyPropertyForShare Query on BCompanyProperty

The CompanyPropertyForShare query is used to select the source numbering entity on the Entity record. A link has been added from tCompany to tUsrCompany, and from there to tUsr so that developers can automatically filter on the current user. This change was implemented by modifying the LookupModifier to automatically filter on the current user when the CompanyPropertyForShare query is run.

Exposing API Methods and Queries using QXtend Inbound

In the BLF 2010.1 release, the RPCRequestService component can perform any API method or API query, thereby ensuring that Financials can be fully integrated with other QAD products using QXtend. As a result, you can specify any API method name and API query name together with the corresponding component, instead of leaving the method name blank, as in previous releases.

For each API method and API query, a maximum of three XSD files can be generated in the XML folder.

- <componentname>.<methodname>.i.xsd, which describes the input parameters.
- <componentname>.<methodname>.io.xsd, which describes the input-output parameters.
- <componentname>.<methodname>.o.xsd, which describes the output parameters.

These XSD files can then be used by QXtend.

Backward Compatibility for Object Updates

Backward compatibility is maintained for the RPCRequestService component. This means that, when the method name passed is blank, the RPCRequestService component assumes that the ApiMaintainByDatasetWithout API method must be run, and the system runs the API method as before.

Menu Change

Because functions of the Q/LinQ module are performed in Enterprise Edition by QAD QXtend, the Q/LinQ menu (36.8) and all its programs have been removed from the product.

Reporting Framework Updates

Additional Report Output Formats

Previously, output formats for reports included only Document, Excel, and PDF. You can now also choose from the following additional output formats when a report is run:

PDF Read-only — The report is rendered as a read-only PDF file. It has a random password that prevents tampering with the document.

TIFF — The report is rendered as a Tagged Image File Format (TIFF) file.

RTF — The report is rendered as a Rich Text Format (RTF) file.

Plain Text — The report is rendered as a plain text (.txt) file.

The Document and PDF formats offer the highest display quality. Some images and colors may appear differently in some render types (for example, TIFF and RTF), and may not appear at all in others (for example, Plain Text).

C# Script Objects Added to Report Designer

.NET Script Objects make it possible to expand the functionality available in the report designer to go beyond VBScript logic. It is now possible to write custom C# (or any .NET language) classes and expose their public methods such that they can be invoked from within VBScript code blocks that execute during report rendering. This is a powerful capability that overcomes the many limitations of the VBScript language and the further limitations imposed by the report framework VBScript interpreter. Now any operation that can be written in a .NET language can be invoked dynamically by reports. This opens the door to performing file I/O, network calls, and custom data structures, for example.

Layout Selection

When running a report, you can now select which layout to use from the new Layout pull-down list if the report resource has multiple layout definitions.

Report Language Selection

Previously, the language that translations was done in for scheduled reports was the language of the server user ID specified in the command line arguments—not the language of the user who submitted the report. In this release, reports are in the language of the user who scheduled the report, regardless of the server user's language.

Report Output E-mail Attachments

For scheduled reports, you can now have a copy of the report automatically attached to the e-mail notification.

External Metadata for Data Source Programs

When developing a data source program as described in Appendix A of the *Reporting Framework User Guide*, you can now use an alternative to hard-coding the metadata. In this release, Appendix B of the user guide describes how to externalize the metadata in an XML file that gets loaded at runtime. This approach can greatly improve the ease and productivity of writing data source programs.

Scheduled Reports Printer Setup

Starting with the QAD .NET UI 2.9.2 (Enterprise Applications 2010.1 Enterprise Edition) release, printer setup for scheduled reports has changed. The Printer Setup Maintenance program is no longer used for the Reporting Framework. Instead, use the following steps to set up a printer for scheduled reports. If you are upgrading from an older version, any scheduled reports that refer to the previous printer types will still

execute properly. However, the following steps must still be done to allow printers to be defined for new scheduled reports:

- 1 Set up a physical printer on the report server. From the Windows Start menu, select Control Panel| Printers and Faxes|Add a Printer to add a printer.
- 2 In the client session configuration file (`client-session.xml`), located in the `TomcatInstallDir/webapps/qadhome/configurations/SysEnvName/` directory, set up printers available for scheduled reports as follows:

```
<ReportServer>
<Printer>
<UNCPath>\\machineA\printerA</UNCPath>
<Description>Description of printer (optional)</Description>
</Printer>
<Printer>
<UNCPath>\\machineB\printerB</UNCPath>
<Description></Description>
</Printer>
</ReportServer>
```

Scheduled Report API

In addition to scheduling reports from the user interface, you can now use an API to schedule reports programmatically from Progress 4GL code. Contact QAD Support to get a sample bundle (`ScheduleReportSample.zip`) that gives instructions and the necessary supporting files to access this API.

Installation and Conversion Updates

Installation

Improvements to the installation process allow installation package components to be copied from the media and staged until they are needed by the installation process.

Conversions

Closing Accounts Type Unrestricted

Closing accounts are no longer restricted to Asset or Liability type accounts. Any account type (A, L, I, E) is permissible. If exceptions involving this account type exist in the pre-conversion environment, this change may be apparent in the Account Type Incompatibility section of the Data Preparation Report and when choosing replacement accounts in the GL Account Type Utility.

Rounding Differences Account Type Unrestricted

The Rounding Differences account is no longer restricted to an Income or Expense type account. Any account type (A, L, I, E) is permissible. If exceptions involving this account type exist in the pre-conversion environment, this change may be apparent in the Account Type Incompatibility section of the Data Preparation Report and when choosing replacement accounts in the GL Account Type Utility.

Purchase Order Receipts Account Now Restricted

The Purchase Order Receipts account now must be a Liability type account. If exceptions involving this account type exist in the pre-conversion environment, this change may be apparent in the Account Type Incompatibility section of the Data Preparation Report and when choosing replacement accounts in the GL Account Type Utility.

Validation of Supplier Payment Accounts

New requirements exist for validating Supplier Payment accounts when European Accounting is not in use. See the *Progress Conversion Guide* for further information.

Known Issues

QXtend Install Problem

Attempts to install QXtend with QDT on systems using Tomcat 6 on Windows Server 2008 may fail due to a known Tomcat problem. The problem occurs because the `tomcat-users.xml` file references an invalid code page. To prevent this problem, change the `codepage` value in `tomcat-users.xml` to `utf-8` or `windows-1252`. For further information regarding this problem, refer to:

https://issues.apache.org/bugzilla/show_bug.cgi?id=46908

QAD EE 2010 to 2010.1 Upgrade Compile Error

A compile error can occur when upgrading from QAD EE 2010 to 2010.1 if you changed the value of the Compile List File field on the Compiler Settings screen.

The compile list file (`utcompil.wrk`) ships with Enterprise Edition and lists the programs to compile during product installation. During an upgrade, the compile list for the existing installation is replaced with a new list that is used to compile the new service pack.

If you have changed the compile list file name and path in the Compile List File field on the Compile Settings screen, the compile process will use whatever file was specified and not the required new list. Use of the wrong list can cause a compile error that prevents QDT from completing the upgrade. It can also prevent new programs contained in the service pack from compiling. This is not reported as an error during the compile and causes errors at run time.

If you have changed the Compile List File on the Compile Settings screen, you should change it back to the default value of `<env_home>/utcompil.wrk`, where `<env_home>` is the root directory of the environment being upgraded (the directory with `us`, `qra`, `xrc`, and other directories.).

Hung Processes Prevent Database Shutdown

Hung processes prevent databases from shutting down if you complete an Enterprise Edition install and configuration, add QXtend, add a new language, and rerun the EE configuration. The `qadui.log` file will contain entries similar to the following:

```
Writing config.properties to
c:\qadapps\qadui\com\qad\nav\conf\config.properties
Updating c:\qadapps\encoding.dat for Windows.
Updating c:\qadapps\qadui\com\qad\mfgpro\dtencode.dat for Windows.
Using standard QAD language & codepage settings for build.
See file qadui.bat for build settings.
```

.
.
There is no server for database c:\qadapps\db\mfgprod. (1423)

To work around this issue, perform the following steps using the QDT:

- 1 Stop QAD EE.
- 2 Start QAD EE.
- 3 Rerun Configure QAD EE.

Invalid Error Message

Following a successful QXtend build, an invalid error message may appear at Enterprise Edition startup. This is accompanied by contradictory information similar to the following in the qdtadmin.log file:

```
09/03/10 @ 12:27:24 [mfg] - QXtend build completed successfully.  
09/03/10 @ 12:27:24 [mfg] - Creating as-qadsi as a child of qxtend-configuration  
09/03/10 @ 12:27:24 [mfg] - Creating as-qxosi as a child of qxtend-configuration  
09/03/10 @ 12:27:24 [mfg] - Creating as-qxoui as a child of qxtend-configuration  
09/03/10 @ 12:27:24 [mfg] -  
09/03/10 @ 12:27:24 [mfg] - ***** An error occurred in the execution.  
09/03/10 @ 12:27:24 [mfg] - ***** Review the log comments above for more details.  
09/03/10 @ 12:27:24 [mfg] -  
09/03/10 @ 12:27:24 [mfg] - End execution.  
09/03/10 @ 12:27:24 [mfg] - Action:      QXtend Build
```

Such invalid error messages can be ignored.

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 2010.1 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 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 2010.1 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 2010.1 EE

- QAD Manufacturing Execution Workbench (MEW) (unplanned)
- QAD Distributed Order Management (DOM) (unplanned)

- Trade Management (TrM) and APM Medical (unplanned)
- QAD Enterprise Asset Management (limited availability)
- 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

- Multiple-tier installation through QAD Deployment Toolkit (QDT) is not supported.
- 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 2010.1 EE release, the participation of QAD or certified QAD partner services is required. 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

Oracle is not supported; only Progress database can be used.

Performance Tuning

Please consult with QAD prior to implementing a Wide Area Network configuration for QAD 2010.1 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 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.

