



Release Notes
QAD Enterprise Applications 2009.1
Enterprise Edition

QAD Enterprise Applications 2009.1 – Enterprise Edition (QAD 2009.1 Enterprise Edition, or EE) includes a number of new features added between April 7, 2009, and September 4, 2009.

This document describes changes in the following areas:

- Financial Updates
- Operational Updates
- System Administration Updates
- Installation and Conversion Updates

Note QAD 2009.1 Enterprise Edition is supported by the new version 2.8.2 of the QAD .NET User Interface, which offers numerous new features and enhancements. For details, see *QAD .NET User Interface 2.8.2 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 22 for information.

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.

COA Mask

The GL Mask Maintain function from previous releases has been replaced by new COA mask functions that provide greater flexibility in creating matrices to validate postings.

Three COA element types now have a separate COA mask maintenance function.

- Sub-Account Mask Create (25.3.9.1.1)
You specify a sub-account COA mask code and list the ranges of GL accounts with which sub-accounts assigned that COA mask can be combined.
- Cost Center Mask Create (25.3.9.2.1)
You specify a cost center COA mask code and list the ranges of GL accounts and sub-accounts with which cost centers assigned that COA mask can be combined.
- Project Mask Create (25.3.9.3.1)
You specify a project COA mask code and list the ranges of GL accounts, sub-accounts, and cost centers with which projects assigned that COA mask can be combined.

As before, COA masks are implemented at domain level and are activated using three control fields in Domain Create (36.1.1.1.1): Sub-Account Mask, Cost Center Mask, and Project Mask. You can only define a COA mask if it has been activated in Domain Create (36.1.1.1.1). The system validates postings for each of the COA masks marked as active.

An additional setting in Domain Create controls how the system will treat COA elements that are not assigned a COA mask. The COA Element without Mask field contains two options: No Posting Restrictions and Exclude from Posting. If, for example, you activate cost center masks and select No Posting Restrictions in the COA Element without Mask field, cost centers that are not assigned a COA mask can be used in any posting. Alternatively, if you select Exclude from Posting in the COA Element without Mask field, cost centers that are not assigned a COA mask cannot be used in postings.

You assign a COA mask to an element using the COA Mask fields in Sub-Account Create/Modify, Cost Center Create/Modify, and Project Create/Modify. A single COA mask can be reused by many COA elements.

COA masks can be shared by multiple domains and, therefore, are stored at shared set level. You can share a set of COA masks across domains using three new shared sets:

- Sub-Account Mask Shared Set
- Cost Center Mask Shared Set
- Project Mask Shared Set

The system also contains two browses for retrieving and viewing COA masks: COA Mask Browse (25.3.9.7) and COA Mask Browse All (25.3.9.8).

COA Mask Browse displays all mask definitions for the domain in which you are currently logged in, whereas COA Mask Browse All displays all mask definitions across the whole system.

New Programs

The following table lists the new COA mask programs.

Menu	Label	Program
25.3.9.1.1	Sub-Account Mask Create	BCOAMaskDiv.Create
25.3.9.1.2	Sub-Account Mask Modify	BCOAMaskDiv.Modify
25.3.9.1.3	Sub-Account Mask View	BCOAMaskDiv.View
25.3.9.1.4	Sub-Account Mask Delete	BCOAMaskDiv.Delete
25.3.9.1.5	Sub-Account Mask Copy	BCOAMaskDiv.Copy
25.3.9.1.6	Sub-Account Mask Excel Integration	BCOAMaskDiv.ExcelIntegration
25.3.9.2.1	Cost Center Mask Create	BCOAMaskCC.Create
25.3.9.2.2	Cost Center Mask Modify	BCOAMaskCC.Modify

Table 1
New Programs for
COA Mask

Menu	Label	Program
25.3.9.2.3	Cost Center Mask View	BCOAMaskCC.View
25.3.9.2.4	Cost Center Mask Delete	BCOAMaskCC.Delete
25.3.9.2.5	Cost Center Mask Copy	BCOAMaskCC.Copy
25.3.9.2.6	Cost Center Mask Excel Integration	BCOAMaskCC.ExcelIntegration
25.3.9.3.1	Project Mask Create	BCOAMaskProj.Create
25.3.9.3.2	Project Mask Modify	BCOAMaskProj.Modify
25.3.9.3.3	Project Mask View	BCOAMaskProj.View
25.3.9.3.4	Project Mask Delete	BCOAMaskProj.Delete
25.3.9.3.5	Project Mask Copy	BCOAMaskProj.Copy
25.3.9.3.6	Project Mask Excel Integration	BCOAMaskProj.ExcelIntegration
25.3.9.7	COA Mask Browse	BCOAMask.COAMaskGOTO COAMask
25.3.9.8	COA Mask Browse All	BCOAMask.COAMaskGOTO COAMaskAll

Modified Programs

The following table lists the modified COA mask programs.

Menu	Label	Program
25.3.17.1	Sub-Account Create	BDivision.Create
25.3.17.2	Sub-Account Modify	BDivision.Modify
25.3.17.3	Sub-Account View	BDivision.View
25.3.17.4	Sub-Account Delete	BDivision.Delete
25.3.17.5	Sub-Account Excel Integration	BDivision.ExcelIntegration
25.3.20.1	Cost Center Create	BCostCentre.Create
25.3.20.2	Cost Center Modify	BCostCentre.Modify
25.3.20.3	Cost Center View	BCostCentre.View
25.3.20.4	Cost Center Delete	BCostCentre.Delete
25.3.20.5	Cost Center Excel Integration	BCostCentre.ExcelIntegration
25.3.11.1.1	Project Create	BProject.Create
25.3.11.1.2	Project Modify	BProject.Modify
25.3.11.1.3	Project View	BProject.View
25.3.11.1.4	Project Delete	BProject.Delete
25.3.11.1.5	Project Excel Integration	BProject.ExcelIntegration
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
36.1.1.3.1	Shared Set Create	BSharedSet.Create
36.1.1.3.2	Shared Set Modify	BSharedSet.Modify

Table 2
Modified Programs
for COA Mask

Menu	Label	Program
36.1.1.3.3	Shared Set View	BSharedSet.View
36.1.1.3.4	Shared Set Delete	BSharedSet.Delete

AR Self Billing

Self-billing functionality is now available in Enterprise Edition Financials. Use the Self-Billing module to process customer-initiated payments by applying payment to invoices based on line-item shipper details.

You set the Self-Billing options, including bill numbers and self-billing daybook, in Self-Billing Control (27.6.12.24), and also enable the option for customers in the Customer master record. You create self-bills by importing customer remittances using Document Import (35.1), or manually create remittances using Self-Bill Auto-Create (27.6.12.4). You then maintain the self-bills and reconcile them against shipper information using Self-Bill Maintenance (27.6.12.1).

When a self-bill has been saved and payment has been received, you credit payment to the appropriate QAD invoices using Self-Bill Confirm (27.6.12.7), which processes the matched amount as a new open item, using the self-bill number as reference. You can then process this self-bill open item using Customer Payments, Banking Entry, Open Item Adjustment, or Petty Cash. Alternatively, a new field in Customer Data Maintenance lets you create an automatic customer payment linked to the customer self-billing bank account and payment format. Self-Bill Confirm also creates a prepayment when self-billing lines are overpaid, or when there is no existing invoice to match self-billing lines against. This prepayment also references the original self-billing number and line number.

Self-Bill Unconfirm (27.6.12.8) replaces the original Self-Bill Payment Undo menu, and reverses the matching and creation of the new self-bill open items. Self-Bill Delete/Archive (27.6.12.23) copies (archive) or removes (delete/archive) closed records from your database. A range of self-billing reports provides information on self-bills, payments and discrepancies.

Menu	Label	Program Name
27.6.12.1	Self-Bill Maintenance	arsbmt.p
27.6.12.4	Self-Bill Auto Create	arsbac.p
27.6.12.7	Self-Bill Confirm	arsbpap.p
27.6.12.8	Self-Bill Unconfirm	arsbpu.p
27.6.12.10	Self-Bill Discrepancy Report	arsbrp02.p
27.6.12.11	Invoice AR Balance Report	arsbrp03.p
27.6.12.13	Self-Bill Report	arsbrp.p
27.6.12.15	Shipment-Invoice Crossref Report	arsbsirp.p
27.6.12.23	Self-Bill Delete/Archive	arsbdel.p
27.6.12.24	Self-Billing Control	arsbpm.p

Table 3
Modified Programs
for Self-Billing

Statutory Currency

QAD Financials now includes the option to use an additional base currency for reporting purposes. This currency is known as the statutory currency, and is normally the local currency of the country in which the organization must produce its declarations and financial reports.

Note The management currency concept in prior releases no longer applies in QAD 2009.1 EE.

The need for a statutory currency is most likely to arise in a country that is geographically close to a strong currency zone (for example, Mexico and Poland), where the country itself has another local currency. Companies operating in countries close to strong currency zones, such as the Euro and US Dollars, might use the stronger currency as their base currency (functional currency). However, local auditors and tax controllers can mandate that companies submit their declarations and financial reports in the local currency of the country. In these cases, the local country currency becomes the organizations' statutory currency.

The statutory currency is set at domain level, and is inherited by the entities assigned to the domains.

Example A multinational corporation has a subsidiary in Mexico. In the Mexican subsidiary, most business transactions are conducted in USD, which is the base currency. However, all reports that the subsidiary must produce for the Mexican government are in Mexican pesos, which is the statutory currency.

Statutory Exchange Rate and Other Exchange Rate Changes

The statutory exchange rate type has been introduced for use in currency conversions that use statutory currency. In domains that use a statutory currency, the system always looks for a statutory type exchange rate.

If the system cannot find an exchange rate for the relevant period, it can revert to using the accounting exchange rate, depending on the setting of the new Fallback to Accounting field in Exchange Rate Type Create (26.3.1).

To ensure that a valid daily exchange rate is always available, Exchange Rate Create (26.4.1) includes a new field that lets you specify the validity end date of an exchange rate. This field is available for all exchange rate types.

Another new field, Default Validity, lets you specify the default number of days that an exchange rate of a particular type is valid.

Realized Gains and Losses

When a domain uses a statutory currency, the system calculates a gain or loss twice when processing payment transactions. The system first calculates the gain or loss in base currency and then calculates the gain or loss a second time using the statutory currency. Each calculation uses the most recent statutory exchange rate.

The exchange rates for both the base currency and statutory currencies at the time of invoice posting are compared with the relevant exchange rates at the time of payment. The difference is then posted as a realized gain or loss.

You can now change the status of foreign currency payments to Paid in the Payment Modify and Payment Mass Change functions. This action automatically generates realized gain and loss postings. Previously, you could only set foreign currency payments to Paid in Banking Entry.

Note Open Item Adjustment Create (25.13.5) does not automatically create postings for gains or losses in statutory currency. You must post these differences manually.

Transactions from Operational Modules

The concept of statutory currency does not exist in the operational modules. Therefore, when operational transactions are fed into Financials using Operational Transaction Post (25.13.7) and Invoice Post and Print (7.13.4), the system calculates and stores the GL transaction amounts in statutory currency.

Revaluation

The system includes the option to revalue accounts denominated in transaction currency, relative to the statutory currency. This feature is part of the existing Revaluation function.

The Currency tab in GL Account Create (25.3.13.1) now includes settings for statutory currency revaluation. The statutory currency revaluation uses the statutory exchange rate type, unless the revaluation has been set up differently in GL Account Create (25.3.13.1). The statutory currency revaluation can also revert to using the accounting exchange rate if no statutory exchange rate is available and the Fallback to Accounting option is set in Exchange Rate Type Create (26.3.1) for the statutory exchange rate.

When revaluating, you can now specify up to three source layers from which to revalue balances.

Reports in Statutory Currency

Most GL, tax, and sub-ledger AR and AP reports have the option to display their output in statutory currency. When running the reports, you specify the statutory currency as the reporting currency.

You can also run most Financials reports to display output in any currency for which the amounts are calculated on the spot using the most recent accounting exchange rate.

UI Label Changes

All database fields that previously stored management currency values now store statutory currency values, and UI fields previously used for management currency display statutory currency values. All “Management Currency” and “MC” UI field labels have been changed to display the labels “Statutory Currency” and “SC” respectively.

Modified Programs

The following table lists the principal modified statutory currency programs.

Menu	Label	Program
7.13.4	Invoice Post and Print	soivpst.p
25.13.7	Operational Transaction Post	gluntrex.p
25.3.13.1	GL Account Create	BGL.Create
25.3.13.2	GL Account Modify	BGL.Modify
25.3.13.3	GL Account View	BGL.View
25.3.13.4	GL Account Delete	BGL.Delete
25.21.1.1	Revaluation Simulate	BRevaluation.Simulate
25.21.1.2	Revaluation Modify	BRevaluation.Modify
25.21.1.3	Revaluation View	BRevaluation.View
25.21.1.4	Revaluation Delete	BRevaluation.Delete
25.21.1.5	Revaluation Post	BRevaluation.Post
25.21.1.6	Revaluation Report	BRevaluationReport.Revaluation
26.3.1	Exchange Rate Type Create	BExchangeRateType.Create
26.3.2	Exchange Rate Type Modify	BExchangeRateType.Modify
26.3.3	Exchange Rate Type View	BExchangeRateType.View
26.3.3	Exchange Rate Type Delete	BExchangeRateType.Delete
26.4.1	Exchange Rate Create	BExchangeRate.Create
26.4.2	Exchange Rate Modify	BExchangeRate.Modify
26.4.3	Exchange Rate View	BExchangeRate.View
26.4.3	Exchange Rate Delete	BExchangeRate.Delete
36.1.1.1.1	Domain Create	BDomain.Create

Table 4
Modified Programs
for Statutory
Currency

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

Shared Set Merge

Use Shared Set Merge (36.25.91) when you want to unify separate shared sets in separate domains. The function replaces the records in one shared set (the target) with those of another shared set (the source) so that you only need to maintain one shared set instead of two.

You can run Shared Set Merge in two modes: Validation and Merge. Validation mode compares the target and source shared sets you have specified and reports on conflicts; no actual merging is performed. After you have rectified all conflicts, you run Shared Set Merge in Merge mode to perform the actual merging.

The following table lists the new shared set program.

Menu	Label	Program
36.25.91	Shared Set Merge	BSharedSetMerge.Merge

Table 5
New Program for
Shared Set Merge

AP Daybook Sets

QAD Financials now has the ability to report on all AR and AP transactions and their related tax effects in a format prescribed by many European countries. This change has resulted in the addition of three new areas of functionality:

- AP Daybook Sets
- Reporting Daybook Groups
- Tax Registers

The concept of daybook sets previously existed in AR, but has now been extended to AP. Daybook Set Maintenance and Daybook Set by Site Maintenance now contain a Type field, which lets you specify whether a daybook set relates to AR or AP. Purchasing Accounting Control contains a new Default Daybook Set field, which lets you specify the default daybook set when creating new supplier data records. Supplier Data Maintenance contains two new fields, Daybook Set and Site.

When creating supplier invoices, you specify a daybook set in Supplier Invoice Create. If daybook sets by site is activated, you can also specify a site. The daybook set value defaults from the daybook set associated with the supplier in Supplier Data Maintenance (2.3.1). However, if you specified a PO, the daybook set on the PO overrides the daybook set on the supplier data record if they are different. New Daybook Set fields are also added to Blanket Order Maintenance (5.3.1), Supplier Scheduled Order Maintenance (5.5.1.13), and Purchase Order

Maintenance (5.7). For ERS, the daybook to use is retrieved from the daybook set defined for the corresponding purchase order, rather than from ERS Control as before.

The following table lists the modified daybook set programs.

Menu	Label	Program
2.3.1	Supplier Data Maintenance	advnmt.p
5.3.1	Blanket Order Maintenance	poblmt.p
5.5.1.13	Supplier Scheduled Order Maintenance	rspomt.p
5.7	Purchase Order Maintenance	popomt.p
25.8.7	Daybook Set Maintenance	glstmt01.p
25.8.8	Daybook Set Browse	sobr037.p
25.8.9	Daybook Set Report	c1:QAD_DaybookSetReport
25.8.10	Daybook Set by Site Maintenance	glstmt02.p
25.8.11	Daybook Set by Site Browse	sobr038.p
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
28.1.1.9	Supplier Invoice Delete	BCInvoice.Delete
28.1.1.11	Supplier Invoice Reverse	BCInvoice.Reverse
28.10.24	ERS Control	aperspm.p
36.9.5	Purchasing Accounting Control	fipopopm.p

Table 6
Modified Programs
for Daybook Sets

Daybook Reporting Groups

Daybook groups let you link numerous daybooks together so they can be reported on as a group; for example, you can create a group for all domestic supplier invoices. You define daybook groups using a new function, Daybook Group Create (25.8.2.1). You can link a daybook group to a daybook using the Daybook Group field in Daybook Create (25.8.1.1).

The following table lists the new daybook group programs.

Menu	Label	Program
25.8.2.1	Daybook Group Create	BJournalGroup.Create
25.8.2.2	Daybook Group View	BJournalGroup.View
25.8.2.3	Daybook Group Modify	BJournalGroup.Modify
25.8.2.4	Daybook Group Delete	BJournalGroup.Delete

Table 7
New Programs for
Daybook Groups

The following table lists the modified daybook group programs.

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
25.8.1.5	Daybook Excel Integration	BJournal.ExcelIntegration

Table 8
Modified Programs for Daybook Groups

Reporting Daybook Modify

If a transaction was posted using an incorrect daybook, you can use a new function, Reporting Daybook Modify (25.13.1.15), to change the reporting daybook to ensure that the transaction is reported on correctly.

A new Reporting Daybook Exception Report (25.8.13) lets you report on transactions for which the reporting daybook has changed.

The following table lists the new reporting daybook programs.

Menu	Label	Program
25.8.13	Reporting Daybook Exception Report	c1:QAD_ReportingDaybook ExceptionReport
25.13.1.15	Reporting Daybook Modify	BReportingJournal.Modify
25.13.1.16	Reporting Daybook Excel Integration	BReportingJournal.Excel Integration

Table 9
New Programs for Reporting Daybooks

Tax Registers

Tax registers let you group accounting transactions for tax reporting, and contain all relevant information to confirm the tax declaration of the company.

A new function, Tax Register Create (29.1.17), lets you group daybooks for tax register reporting purposes and generates a sequence number that is used to number pages in final tax register reports.

You can report on tax registers using the following reports:

- Italian AP Tax Register
- Italian AP Purchases Tax Register
- Italian EU Sales Linked to EU Purchase
- Italian AR Tax Register
- Italian Suspended Tax Register

The following table lists the new tax register programs.

Menu	Label	Program
29.1.17.1	Tax Register Create	BTaxRegister.Create
29.1.17.2	Tax Register Modify	BTaxRegister.Modify
29.1.17.3	Tax Register View	BTaxRegister.View
29.1.17.4	Tax Register Delete	BTaxRegister.Delete
29.6.3.11	Italian AP Tax Register Report	c1:QAD_ItalianAPTaxRegister
29.6.3.12	Italian AP Purchases Tax Register	c1:QAD_ItalianAPEUTaxRegister
29.6.3.14	Italian EU Sales Linked to EU Purchase	c1:QAD_ItalianAPEUSalesTaxRegister
29.6.3.16	Italian AR Tax Register	c1:QAD_ItalianARTaxRegister
29.6.3.18	Italian Suspended Tax Register	c1:QAD_ItalianSuspTaxRegister

Table 10
New Programs for
Tax Registers

The following table lists the modified tax program.

Menu	Label	Program
29.4.1	Tax Rate Maintenance	txtx2mt.p

Table 11
Modified Program
for Tax Registers

Regional Balance Sheet

Use the Regional Balance Sheet report (25.15.5.8) to run balance sheet structured reports with the output organized based on a multi-level alternate COA structure; for example, a Chinese Balance Sheet.

When you run the report, you specify the alternate COA group of the alternate COA structure on which to base the report output. The system uses the cross-reference to retrieve the corresponding mappings and, consequently, the relevant alternate accounts.

The following table lists the new Regional Balance Sheet program.

Menu	Label	Program
25.15.5.8	Regional Balance Sheet	c1:QAD_ChineseBalanceSheet

Table 12
New Program for
Regional Balance
Sheet

Regional Income Statement

Use the Regional Income Statement report (25.15.5.9) to run income statement structured reports with the output organized based on a multi-level alternate COA structure; for example, a Chinese Income Statement.

The setup of the report is the same as the Regional Balance Sheet report (25.15.5.8).

The following table lists the new Regional Income Statement program.

Menu	Label	Program
25.15.5.9	Regional Income Statement	c1:QAD_ChineseIncome Statement

Table 13
New Program for
Regional Income
Statement

Budget Changes for Regional Financial Statement Reports

The Topic Properties sub-window of the Budget activities has been modified to contain new fields for creating regional balance sheet and income statement report structures. The fields are:

- **Roll Up Amount**
Used to indicate whether the current topic level can be rolled up to a higher level.
- **Print Sum Line**
Used to indicate whether to print a header or a footer line for the linked accounts.
- **Category**
Used to specify the GL category of the accounts linked to the current level in the report structure.
- **Alternate COA**
When running a structured report based on an alternate COA, such as the Regional Balance Sheet or Regional Income Statement, you can use this field to specify the alternate COA structure that you want to base the report on.

The following table lists the modified Budget programs.

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

Table 14
Modified Programs
for Budgets

Operational Updates

Support for International Legal Document Requirements

- In QAD Enterprise Edition, any function that generates shippers now enables you to generate legal documents along with the shipper.

The following functions that generate shippers also let you generate legal documents:

Issuing transactions

- Picklist/Pre-Shipper - Automatic (7.9.1)
- Pre-Shipper/Shipper Workbench (7.9.2)
- Sales Order Shipper Maintenance (7.9.8)
- Unplanned Issue (3.7)
- Item Transfer (Menu 3.4)
- Distribution Order Shipments (12.17.22)
- Sub Shipper Maintenance (18.22.5.5)
- Material Order Maintenance (10.7.1 and 11.11.1)
- Material Order Shipments (10.7.6 and 11.11.6)
- Call Activity Recording (11.1.1.13)
- RMA Maintenance (11.7.1.1)
- RMA Shipments (11.7.1.16)
- RTS Shipments (11.7.3.16)
- Work Order Component Issue (16.10)
- Repetitive Labor Transaction (18.14)
- Repetitive Picklist Transfer (18.22.3.6 and 18.3.6)
- Backflush Transaction (18.22.13)
- Receipt Backflush (16.12)
- Rework Transaction (18.22.17)
- Pending Invoice Maintenance (7.13.1)
- Sales Order Shipment (7.9.15)

Receiving transactions

- Receipts - Unplanned (3.9)
- Purchase Order Receipts (5.13.1)
- PO Shipper Receipt (5.5.5.11)
- PO Shipper Receipt (5.13.20)
- Work order Receipt (16.11)
- Work order Backflush (16.12)
- Backflush Transaction (18.22.13)
- Distributed Order Receipt (12.15.20)
- Move Transaction (18.22.19)
- A new option, Maintain Operation Type in Tax Usage, is now available in Legal Document Control (7.10.24). You can use this option to enable the following legal documents features specific to Brazil:
 - Display the Legal Information frame in Tax Usage Maintenance (29.1.9).

- Enforce that the tax usages specified in Simultaneous Operation Maintenance (7.10.13) must have the operation type of 11 Sales or 12 Other.
- Dictate the mandatory use of tax usage with operation type set to 11 Sales or 12 Other when you process retrobilling in Retrobill Report (7.13.3).
- A new option Allow Same NRM for Multiple Addresses in Legal Document Control lets you specify whether it is allowed to assign the same NRM sequence to multiple addresses with different Federal Tax IDs.
- When Legal Document Cancel Time Fence is set to an integer value in Legal Document Control, within this number of days since a legal document was created, it can be cancelled along with its associated shipper during shipper unconfirm.

To cancel a legal document, unconfirm its corresponding shipper in Shipper Unconfirm (7.9.2) and the system will automatically set the legal document status to Cancelled.

- The system now supports the following legal document features specific for Brazil:
 - The system posts Brazil legal documents along with invoices.
 - You can now prevent consolidation of invoices in Brazil shipping practices by setting Consolidate Invoices to No in Invoice Post and Print (7.13.4), and setting Separate Invoices for Each Shipment to Yes in Container/Shipper Control (7.9.24). Under these settings, when you try to confirm a shipper with a pending invoice, the system displays an error message and prompts you to post the outstanding invoice before you can proceed.
 - Simultaneous Maintenance (7.10.13) lets you create two legal documents for a single shipment—one sales legal document for invoicing the customer and one shipping legal document for proving the legality and possession of the inventory being shipped. You define different tax usages for determining the tax rate in the two legal documents respectively.
 - You can generate legal documents for retrobills in the Brazil environment.
- Three programs are now available to generate different types of stock cards for Thailand:
 - Stock Card (7.10.11)
 - Stock Card by Location (7.10.9)
 - Stock Card by Cost (7.10.10)
- The following table lists the menu functions that are now available for setting up and using the legal documents features:

Number	Menu Label	Program
7.10.2	Legal Document Report	soldrpt.p
7.10.3	Legal Document Browse	ldbr001.p

Table 15
Legal Document
Menu Functions

Number	Menu Label	Program
7.10.4	Legal Document Print	gpldprt.p
7.10.9	Stock Card by Location	soldstcl.p
7.10.10	Stock Card with Cost	soldstcc.p
7.10.11	Stock Card	soldsted.p
7.10.12	Received Legal Document Report	soldrcrp.p
7.10.13	Simultaneous Operation Maint	soldopmt.p
7.10.23	Legal Document Delete/Archive	gpdaldis.p
7.10.24	Legal Document Control	soldpm.p
5.20.24	Purchase Legal Document Control	poldpm.p

Enhancements to QAD Reporting Framework

The infrastructure that supports reporting from operational and financial functions has been improved in the several areas.

Browse-Based Reports

You can now directly run reports from browses by selecting Report from the Action menu in the browse screen. The sorting, grouping, and search criteria in the browse are all carried over to the report, which uses the browse as its data source. You can further filter data in the report by defining new search criteria in the Filter screen. This is an alternative to generating a browse-based report by creating a report resource and manually specifying a browse as its data source. However, since you do not create a report resource, the browse-based report created this way cannot be assigned to a menu. A built-in template is used to render browse-based reports.

Page Break Control

The page break control has a new RecordsPerPage property that lets you specify the maximum number of records to display on each page of a report. Place the page break control on the report and when the number of records on a page reaches the record number limit in the rendered report, the remaining records go to subsequent pages.

Customizable Reporting Formats

You can now customize how dates and numbers are displayed in your reports to meet your local reporting format requirements by specifying the new Date and Number report settings.

Corner Radius

You can now draw rounded-corner rectangles on your reports by defining a new `CornerRadius` property of the `Rectangle` control.

Support for Financials Browsers as Report Data Source

You can now create reports using Financials browsers defined in the Financials CBF tool as the report data source. Previously, only classic QAD ERP browsers created using Browse Maintenance were supported.

To use this feature, select Browse as the data source type for the report resource in Report Resource Maintenance and enter the data source reference using the following syntax:

```
BaseAdapters.CBAdapters.QadBrowseAdapter:<BusinessComponent>  
.<QueryMethod>
```

The data source reference for classic QAD ERP browsers now uses an enhanced naming structure:

```
<BrowseServerType>:<QueryID>
```

Where `<BrowseServerType>` defaults to `QAD.Browse.MfgProBrowseServer` and is optional.

Support for Financials Lookups

You can now invoke Financials lookups from the Report Viewer's search panel. Previously, only classic QAD ERP lookups can be invoked from there.

Service and Support Management Updates

QAD 2009.1 EE includes the following enhancements to Service and Support Management (SSM):

- Two additional reports have been added: Deferred Revenue Report (11.22.2) and Accrued Revenue Report (11.22.1).
 - Use Accrued Revenue Report to display accrued revenue records created and updated by Revenue Recognition. The report displays the accrued revenue, revenue to be accrued, and period left to be accrued.
 - Use Deferred Revenue Report to display deferred revenue records created and updated by Revenue Recognition. The report displays the invoice number, invoice amount, recognized amount, deferred amount, and period left to be deferred.

- Three new operational metrics have been added:
 - Open Calls by Queue - Displays a snapshot of open calls by call queue. This metric allows you to focus on calls that require attention or escalation.
 - Fault Code Analysis - Displays a snapshot of calls received categorized according to fault codes. This metric allows you to identify the fault codes that occur most frequently and to determine appropriate corrective action, if required.
 - Engineer Utilization - Displays a snapshot of the average engineer utilization percentage among engineers operating in a particular service area.
- Support has been added for picklists for depot orders. You can now print a picklist for a depot order by using either Picklist /Pre-Shipper - Automatic (7.9.1) or Sales Order Packing List (7.9.13). Use the lookup on the Sales Order field to select the depot order you want to create the picklist for.
- RTS Maintenance (11.7.3.1) and RTS Shipments (11.7.3.16) have been modified to allow the tracking of shipments by using a bill of lading (BOL) number.
- Contract Control (11.5.24) has been modified to allow a default price date—either start date or order date—to be specified for a contract. Entering a price date allows a user to choose which date to use to execute the price list selection, thus providing default pricing effective date capability.

Choosing the start date causes the system to select the valid price list in which the start date is on or before the start date of the contract or contract quote; and the expiration date is equal to or greater than the start date of the contract or contract quote.

Choosing the order date causes the existing price list selection to remain unchanged for contracts and contract quotes.

Example

Two contracts called “Maint” have been created, identical in all details apart from their start dates and expiration dates. Contract A has a start date of 1/1/09 and an expiration date of 1/31/09. Contract B has a start date of 2/1/09 and an expiration date of 2/28/09.

A user creates a new contract with an order date of 1/28/09 and a start date of 2/2/09. Using the start date setting, the system now can retrieve the contract price from contract B; in previous versions, the system would have retrieved the contract price from contract A.

When retrieving price lists or prices, this Contract Control setting is checked by Contract Maintenance (11.5.13.1), Contract Copy to Contract (11.5.13.6), Renew Single Contract (11.5.13.8), Contract Quote Maintenance (11.5.1.1), Contract Quote Copy from Quote (11.5.1.6), Contract Quote Copy from Contract (11.5.1.7), and Contract Quote Release to Contract (11.5.1.5).

QAD Warehousing Updates

New features and enhancements for this release include the following:

- A new Wave Pre-Shipper Workbench (4.15.14) lets you link pre-shippers to waves. When you enter a wave number in the workbench, the system displays all pre-shippers associated with the wave, including pre-shipper open tasks. You can press control keys in the display to perform several operations, such as display details; print, merge, or find pre-shippers; refresh the display; and sort by pre-shipper, ship-to site, carrier, or date.
- Wave planning now supports kits. New fields in Wave Planning Control (4.15.1.24) let you specify whether the system:
 - Applies pick logic and creates detailed inventory allocations for components of configured items.
 - Selects only configured kit sales order lines with a general allocation when it selects orders for a wave in Wave Selection (4.15.3).
 - Determines the component of the kit with the least quantity available to allocate. The quantity to ship for the kit item is set to this quantity, ensuring that complete kits are shipped.

The system now creates pick and wave replenishment tasks for kit components. During wave release and release group creation/activation, all appropriate algorithms and functions now support kits. Finally, wave inquiries and reports display data for kits.

- Wave Transportation programs (4.15.2) also support kits. Batch orders selected for TMS calculations now account for allocated kits. The system calculates weights and volumes for kit orders and exports them to the QAD EE internal transportation management system (TMS) or to external TMSs. When the TMS directs that order lines be split among different shipments, wave replenishment and release functions correctly pick for kit components after the split.
- You can now print labels created for a pallet in Multi-Item Pallet Create/Transfer (4.17.20).
- Receipts/Transfers/Issues Control (4.17.24) was moved to the Warehouse System Admin menu (4.23) and renamed External Device Setup (4.23.22). Two new fields were added to the renamed program:
 - Next Task Pause lets you specify the time in seconds that the RF device pauses during the RF Next Task (1.1) or RF Select Task (1.2) options when there are no open tasks.
 - Select Task Type lets you control whether the RF Select Task option is controlled by reference or by transactions.
- You can now choose to activate or deactivate the Quality/Inspection module (4.19) through a new Activate field in Quality/Inspection Control (4.19.24).

- The following new utilities were added:
 - Inspection Workfile Delete/Archive (4.25.10) deletes stranded inspection records.
 - Delete Planned Order Whse Tables (4.25.11) deletes warehouse order management detail records for planned orders that are unused by the system. If you installed QAD Patch R1GP, run this utility immediately after you install the patch.
 - Delete Task List Workfile Records (4.25.12) deletes inactive task list records. Previously, the system stored linked transaction-task or transaction-alternate task records in two tables. The system now creates records for both tasks and alternate tasks in a single table. You can use the utility to delete old records.
 - Recalculate User Task Times (4.25.13) recalculates user task times in batch mode. You must set the Active field in Labor Management Control (4.11.24) to No to manually recalculate user task times with the utility.
 - Populate Item-Site Location (4.25.14) repopulates the Item-Site Maintenance (4.4.9) Location field with data from the removed Site Location field from the same program.
 - A new Next Task Pause field in the renamed External Device Setup program lets you specify the time in seconds that the RF device pauses during RF Next Task (1.1) or RF Select Task (1.2) if there are no open task. Before it was hard coded to 10. In the same program, you can now specify whether the RF Select Task (1.2) is driven by transaction or reference through a new Select Task Type field.

Program Name Changes

The following program was renamed in this release.

Old Name/Number	New Name/Number
Receipts/Transfers/Issues Control (4.17.24)	External Device Setup (4.23.22)

Table 16
Renamed Programs

Minor Operational Enhancements

Customer Address on Shippers

A new Print Customer Address field has been added to Pre-Shipper/Shipper Print (7.9.4) and Pre-Shipper/Shipper Workbench (7.9.4).

The default is Yes; the customer address code and name print on the shipping document. This was the system behavior before the new option was added.

Set Print Customer Address to No to suppress the address code and name on the printed document. For example, this supports a direct-ship scenario in Enterprise Material Transfer (EMT). In that case, the customer address is actually the primary business unit (PBU) that recorded the order-not the real end customer. You can suppress the address code on the shipping document to avoid confusion when the end customer receives the order.

EDI eCommerce Enhancements

- Update Token Variables (35.17.20) lets you update existing trading partner records with the most recent tokens. You can use this function as part of ongoing system maintenance when updates to the transformation engine modify or add tokens. This program was previously not delivered with the product.
- Ten new generic tokens are now available when creating an outbound document. These tokens are used to write data in the control records of the document by using additional data from the document definition. The new token names are export-token-01 through export-token-10. Previously, the only tokens available during the writing of the file were tp-id, tp-document-id, tp-message-nbr, tp-func-grp-nbr, tp-document-nbr, tp-address, tp-site and tp-interchange-nbr.

System Administration Updates

You can now define user-defined business components to customize both the user interface and the application back-end.

You can create two different types of component:

- Components with Create/Modify/View/Delete activities, which let you create, modify, view, and delete records in the usual way (similar, for example, to Cost Center Create).
- Components with a Maintain activity, which let you create new records and perform maintenance on existing records in a maintenance screen (similar, for example, to Payment Format Maintenance).

You can create one or other type of component, but you cannot assign Create/Modify/View/Delete and Maintain activities to the same component.

You use new customizable classes and a new generic BCustom component to define your component. You write custom code for the component using non-intrusive customization techniques, and implement the component in the application using user-defined fields in combination with Design Mode. You then use the User-Defined Components Maintain program (36.4.12.1.1) to assign one or other type of activity to the component

The User-Defined Field Maintenance menu (36.4.12) has been renamed User-Defined Object Menu, and now contains separate menu groups for user-defined fields and user-defined components.

Menu	Label	Program
36.4.12.1.1	User-Defined Components Maintain	BUDCConfiguration.Maintain
36.4.12.1.2	User-Defined Components View	BUDCConfiguration. UDCConfigurationView
36.4.12.2.1	User-Defined Field Create	BCustomField.Create
36.4.12.2.2	User-Defined Field Modify	BCustomField.Modify
36.4.12.2.3	User-Defined Field View	BCustomField.View
36.4.12.2.4	User-Defined Field Delete	BCustomField.Delete

Table 17
New and Modified
Programs for User-
Defined Fields and
Components

Installation and Conversion Updates

QAD 2009.1 EE includes the following enhancements to QAD Deployment Toolkit (QDT), the set of tools used to install and configure Enterprise Edition:

- QDT now supports component upgrades as well as new installations.
- The method used to install language data has been optimized.

In the area of conversions, changes include:

- New conversions to support Financials enhancements for GL mask and statutory currency.
- The ability to do incremental conversions from earlier versions of Enterprise Edition.

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 2009.1 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 2009.1 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.

Complementary Products Not Supported in QAD 2009.1 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 2009.1 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 2009.1 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.