



QAD Adaptive Applications

QAD Global Trade and Transportation Execution (GTTE) v20.2 and v20.1 Release Notes

March 2023

These release notes include information about the latest QAD GTTE—formerly QAD Precision—Web UI features, enhancements, and fixes.

These changes may affect the way that you implement and use QAD GTTE. Review this document before proceeding with any changes to your installation.

Overview 2

New Functionality, Enhancements, and Fixes 3

Overview

Current QAD GTTE Version: 20.2

Release Date: March 2023

Table 1 and Table 2 list the components that have been updated with QAD GTTE v20.1 and v20.2, respectively.

Table 1

Components Updated with QAD GTTE v20.1

Component	Version
Analytics (DEM & Web UI)	-
Gateway	9.0.1-3
Content Subscriber Agent	2.0.0-1
Keycloak	18.0.2
Report Server	-

Table 2

Components Updated with QAD GTTE v20.2

Component	Version
Web UI	9.0.3
DEM	10.0.6-5
Foundation	10.0.7-4
EFM	9.0.3-5
Report Server	-

Related Documentation

Updates to the QAD GTTE online help for this release will be available later at:

<https://documentlibrary.qad.com/help/precision/latest/index.html>.

Existing user and administration guides are available in the QAD Document Library:

<https://documentlibrary.qad.com>

New Functionality, Enhancements, and Fixes

GTTE v20.2 contains a number of noteworthy enhancements.

Base

Workflow Portal

Address Verification

The Loqate Cloud certificate has been updated.

Delivery Exception Management (DEM)

Supplier Integrations

- DEM includes a number of new supplier integrations.

Table 3

New Supplier Integrations in the QAD GTTE v20.2 Release

Supplier	Status Message Format
DB Schenker (Europe)	EDI IFTSTA D96A
DPD (UK)	Proprietary (CSV)
Roadrunner Transportation Systems	EDI X12 214 4010
Schneider Intermodal	EDI X12 214 4010
XPO (US)	EDI X12 214 4010

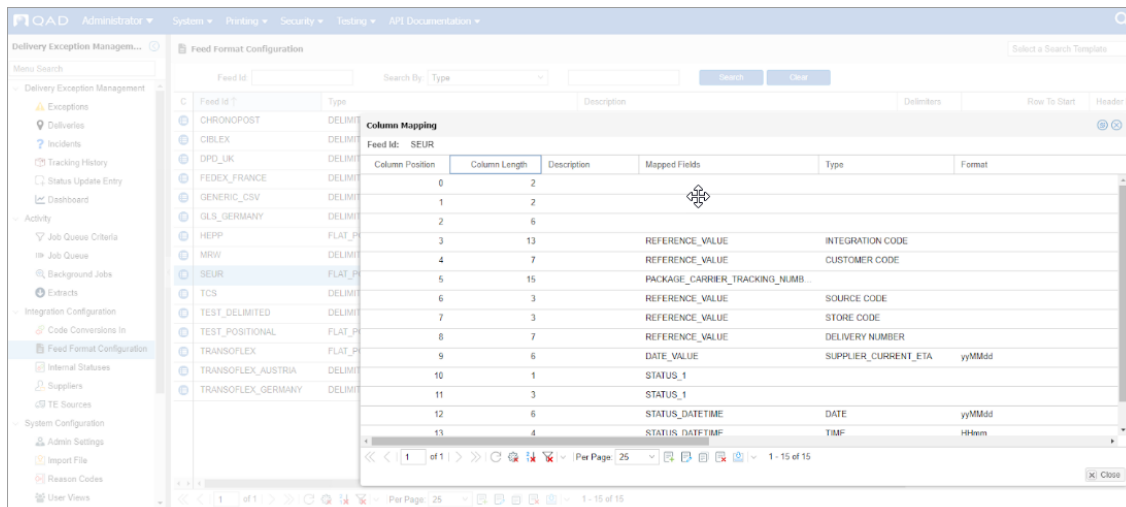
- The Generic EDI X12 214 4010 integration has been enhanced to allow use of the Shipment Appointment Status Code element instead of the Shipment Status Code element.
- The Dachser integration now parses the NAD (qualifier CN) segment as the Ship To name and address.

Configuration over Code Parsing

It is now possible to define the structure of simple fixed-length and delimited carrier status update files using a new Feed Format Configuration option in DEM. This “Configuration over Code” approach enables faster support for the simpler flat file formats, which can be made available through data updates rather than full feature update releases.

Fig. 1

Feed Format Configuration



Minor Enhancements

- DEM admin users can now perform ad hoc delivery reevaluations of deliveries. Click the new Run Delivery Evaluation button in the Deliveries grid to reevaluate the selected deliveries.
- It is no longer possible to copy suppliers. The Copy button has been removed. To create new suppliers, use the Supplier Wizard feature.
- A number of menu and button icons have changed. This is due to an upgrade of the version of Font Awesome used by the DEM and Foundation modules.

Fixes

- The Redur tracking URL syntax was found to be invalid and has been corrected.

Reports

Predefined Reports

QAD GTTE Reports includes a number of new predefined reports:

- Partner Report
- Shipment Cost Report
- Shipment Item Export Classification Report
- Shipment Pack Summary Report
- Workflow Task Status Report

Some existing reports have been updated:

- Product Report

The Partner Report and Product Report are now in the new Core Information folder.

For the full list of predefined QAD GTTE reports available in v20.2, see the table below.

Table 4
Predefined Reports Provided by QAD GTTE for the v20.2 Release

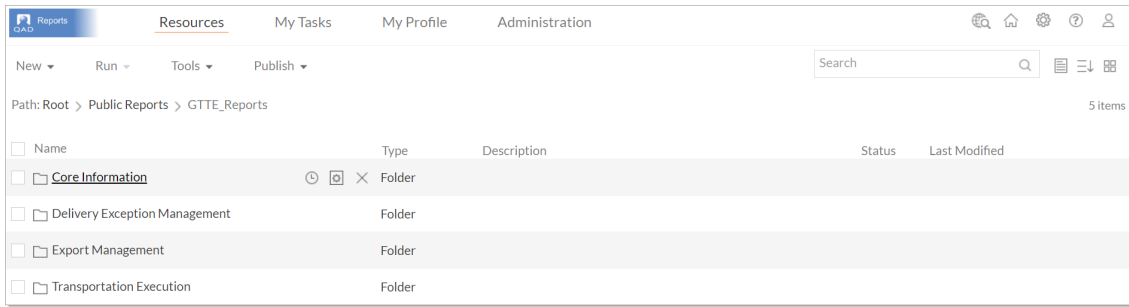
Report Folder	Report Name	Description
Core Information	Partner Report	Details parties set up as partners in the solution. You can extract all partners for a given client. Additional report parameters allow you to further categorize the results by address book and partner role.
	Product Report	Details goods set up as products in the solution. You can extract all products for a given client. Additional report parameters allow you to categorize the results by product country of origin and classification. You can also include product commodity codes for the EU, US, and Singapore customs.
Transportation Execution	Shipment Cost Report	Details shipment transaction costs for a specified date range. You can generate the report based on carrier and customer.
	Shipment Item Report	Summarizes shipment item data for a specified date range.
	Shipment Pack Summary Report	Details shipment package information for shipments within a given despatch date range.
	Shipment Summary Report	Summarizes shipment data for a specified date range.
	Workflow Task Status Report	Details the status of workflow tasks for shipments within a given despatch date range.
Delivery Exception Management	Late Deliveries Report	Details the delayed deliveries that occurred within a specified time period.
	Pending Deliveries Report	Details pending deliveries for a specified supplier or all suppliers.
Export Management	Shipment Item Export Classification Report	Details US/EU/SG ECCN information for shipments within a given despatch date range.

Functionality Enhancements

- **Report Folder Structure**
The QAD GTTE Report Console now presents reports in a simple folder structure. You can view the available predefined reports by navigating to the *Resources* page and selecting the Root > Public Reports > GTTE_Reports folder. This page contains a folder for each module.

Fig. 2

Report Module Categories



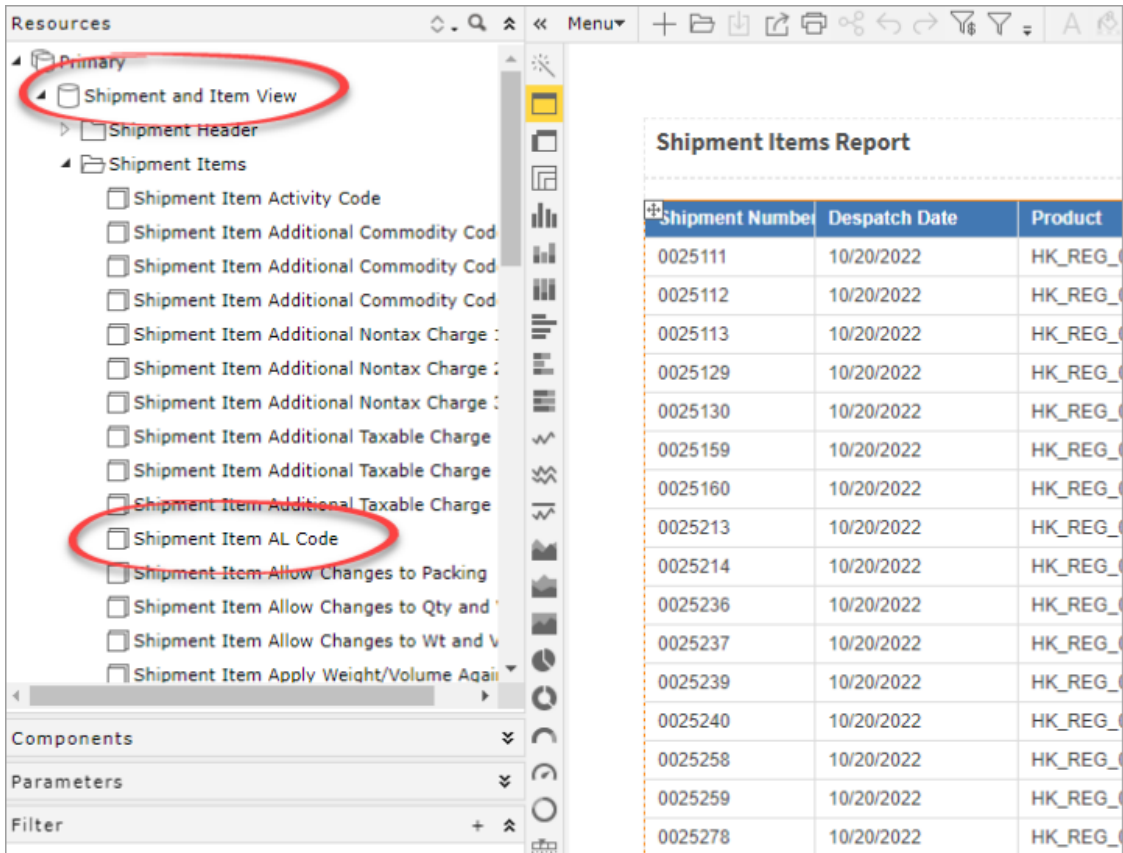
- **Report Parameters**
 - Mandatory parameters are denoted with an * character.
 - Available clients are now listed in the Client field for selection. Only clients at an L3 level or those that are allowed for the active user can be specified.
 - The Despatch Date To field is no longer mandatory. If you leave this field blank, then the current date is used.

Fixes

- Business views and element resource names have been reviewed and, where necessary, changed to follow a consistent standard.

Fig. 3

Report Business Views and Elements



- Default sorting of data on each report has been improved.
- The Shipment Summary Report now correctly displays override consignee information when the consignee code on the shipment is left blank.
- The Report Console pages do not time out unless there is 30 minutes of idle activity. Previously, a login timeout error appeared after 30 minutes even when the user was actively working in the report pages.

Transportation Execution

Carrier Labels

Data matrix barcodes on carrier labels are now possible. Both ZPL and PDF label formats are supported.

Content Distribution

Carrier and Import Trade Compliance is now supported on a MSSQL database in the cloud. This change takes effect from version 2.0.0-1 of the ITC Content Agent.

Web UI 9.0 Patch

This section includes fixes made since Web UI 9.0.0 was released, and which are in the Web UI 9.0.3 patch:

- PSITC-5067 Imports: The *Create Import Shipment* page now uses fields from the GTM_SHIP_DATA_FLOW database table to support many to many links between import shipment line items and purchase order (PO) lines.
- PSITC-5173 Imports: In the *Imports Admin Maintenance Portal* (ITCC), an Update Type field has been added to the *Broker Job* configuration screen. The Update Type determines the products for which classification data is sent to the broker, for example:
 - ALL: All classified products
 - LAST: Products classified since the last run
 - 24HR: Products classified in the previous 24 hours

The options available in the Update Type field are configured using the BROKER_JOB_UPDATE_TYPE flex domain.

- PSITC-5115 Imports: A new system value (Category: ITC_MASTER, Key: SEND_TO_BROKER_DEFAULT) is now available in the *System Values* page (Y3). When this field is set to Yes, the Send to Brokers checkbox in the *Product Details* pop-up window—available from the *Product Master* page—is selected. When the system value does not exist, is not set, or is set to No, the Send to Brokers checkbox is not selected. Setting the system value to Yes means that you do not have to manually select the Send to Brokers field for each product.

Note: You can also configure this setting using the Send to Broker Default field in the Master Data tab of the *Imports Configurator* page (option CFGITC).

- PSITC-5168 Imports: The *API Log* page of the ITCC portal now shows the correct number of records, page number, and number of pages in the navigation bar below the grid.
- PSITC-5065 Imports: When an import shipment is created through the Imports API, the API creates a record in the GTM_SHIP_ITEM table. If an external reference for a PO is added to the line items in the poExternalReference field, then the order number of the PO is recorded in the table. If the PO is closed or does not exist, an error occurs.
- PSITC-5177 Imports: New entries have been added to CFGITC on the following tabs.

Master Data Tab

- Send to Broker Default: See description for PSITC-5115.

ITC Global Settings Tab

- API Log Entry Retention Period (days): The number of days for which to retain API log entries.
- Notification Email: The email distribution list for API logs.
- PSITC-5016 Imports: Configuration issues with the QAD Supplier Relationship Management (SRM) integration and QAD GTTE Electronic File Management (EFM) provider rules are resolved.
- PSITC-5058 Imports: OAuth authentication has been added to the Purchase Order API.
- PSITC-5046 Imports: An error that occurred when a purchase order with more than one export control classification number (ECCN) was created through the Imports API is resolved.
- PSITC-5191 Imports: The performance of the *Attachments* page is improved when files are obtained from EFM.
- PSITC-5167 Imports: Enhancements for broker jobs. New product labels are added for admissibility flags, product classification, and the country of origin for product suppliers.
- PSITC-5181 Imports: On the *Updated - System Sync* (PCSY) page, an error that occurs when you save a new product to be sent to a broker is resolved.
- PSITC-5109 Imports: Commodity Code validation is enhanced.
- PSITC-5068 Imports: The *Update Import Shipments* page now uses new fields from the GTM_SHIP_DATA_FLOW table.
- PSITC-4979 Imports: On the More dialog of the Search panel on Workflow pages, the Container Number field label is now capitalized.
- PSITC-4976 Imports: On the *Product Classification Summary* in the *Classification Worksheet*, the Classified Date field shows the correct date.
- PSITC-4947 Imports: Imports microservices are updated.
- PSITC-4981 Imports: When the classification is updated through the *Classification Worksheet* or the Imports API, the Classified By field changes based on the reason given for the classification, as expected.
- PSITC-4963 Imports: An issue with inverted lookup icons on the More dialog of the Search panel in Workflow is resolved.
- PSITC-4975 Imports: Duplicated fields in the Import Workflow Transaction section of CFGITC are resolved.
- PSITC-4967 Imports: You can use country codes in the country of origin (COO) using a new system value, COO_USE_COUNTRY_CODES. The default value is true. If the value is true, country codes are used for the COO lookup. If the value is false, state codes are used for the lookup.

- PSITC-4948 Imports: In Workflow, the Search panel now contains a More button. The More button opens a dialog with additional search fields.
- PSITC-4965 Imports: There are commercial description enhancements when you create or update a product through the *Product Master*:
 - If you provide a value for the Commercial Extended Description field, the extended description is populated with the provided value.
 - If you do not provide a value for the Commercial Extended Description field, the extended description is populated with the Commercial Description value.
- PSITC-4943 Imports: An Invoice Number field is added to the *Update Shipment* page.
- PSITC-4942 Imports: An Invoice Number field is added to the *Create Shipment* page.
- PSITC-4945 Imports: An Invoice Number column is included in the grid in the Items Workflow task on the *Import Shipment* page (FLOWE).
- PSITC-4871 Imports: An issue with the productDescription field of the Imports API is resolved. The productDescription field can be up to 2000 characters in length. The first 40 characters are stored in the Commercial Description field of the Product Master record. The other characters are stored in the Commercial Extended Description field. Previously, if the productDescription field was longer than 40 characters, it caused an error.
- PSITC-4877 Imports: An issue with special characters in the Product Code and Commercial Description fields of the *Product Master* page is resolved. The special characters display correctly and there are no longer issues when viewing other details of the product such as admissibility flags.
- PSITC-5199 Imports: Dependencies with the gtte- prefix are added to the deployment script for modules\precision\libpsl.
- PSITC-5198 Imports: On the *Workflow Portal*, External Reference is available as an option for the Reference column in the Import Shipments and Purchase Order grids, as expected.
- PSWEB-13635 Desktop Shipping: Address verification applies only to countries specified in the configuration settings. Previously, verification checks were occurring for countries not specified in the configuration settings.
- PSWEB-13595: Change Password: The *Change Password* page is now working as expected. Previously, the page was showing an error when a user tried to update the password.
- PSWEB-13620 Workflow: The *EOD* page now loads correctly when opened from the *Workflow Portal* page. Previously, an error appeared when loading the page.
- PSWEB-13593 Translations: An issue with saving system translations has been resolved. Previously, when clicking the Save button on the *Translate Literals* page (TRANSL), an error occurred.

- PSWEB-13492 Workflow: The SHUSR3 field is no longer overwritten with the value of the BoE Actions field when SHUSR3 is used to hold a different value. Previously, the SHUSR3 field was overwritten in all circumstances by the value of the BoE Actions field in the Details -Route/Refs/Containers task of the Workflow Portal.
- PSWEB-13562 Documents: An issue that occurred when using the containerized and non-containerized data tags has been resolved.
- PSWEB-13420 Transportation Execution: On the *Maintain Carriers* page, carrier records now display correctly based on the Login Client setup. Previously, carrier records did not always appear as expected.
- PSWEB-13524 Workflow: The Complete button on the Documents task now works as expected. Previously, clicking this button caused an error in some circumstances.
- PSWEB-13558 Workflow: The Workflow Manifest & Rate task now accepts a zero value in the COD amount field.
- PSWEB-13509 Workflow: Adjustments to the column order and hidden column settings in the *Workflow Portal* page now save as expected. Previously, the changes were not saving correctly or displaying correctly when users revisited the page.
- PSWEB-13498 Workflow: Performance issues when updating large shipments in Workflow have been resolved. Previously, there were performance issues when updating key transaction fields on large shipments.
- PSWEB-13516 Routing Guide: An issue with populating the Instructions field in the *Routing Guide* page has been resolved.
- PSWEB-13463 Dashboards: It is now possible to edit a dashboard and save your changes. Previously, an issue existed when the solution was fronted by a load balancer..
- PSWEB-13131 Workflow Portal: In the *Workflow Portal* page, searching for shipments based on the Status field and the < comparison operator now works correctly. Previously, it was not returning the expected results.
- PSWEB-13474: An issue with null pointer exceptions in Import documents has been resolved.
- PSWEB-13421 Desktop Shipping: The Incoterms field in the first *Desktop Shipping* page now displays the expected content in the drop-down menu based on the associated system value setup. The associated system values are DTS STEP1 DEFAULT TERM CODE and DTS STEP1 DELIVERY TERM CODES in the ITRAX category. The first of these system values determines if the first value in the DTS STEP1 DELIVERY TERM CODES system value appears in the Incoterms field by default.
- PSWEB-13675 Workflow: The email field in the Shipment Documents workflow task is now populated with the expected information from the associated system value (Category: WORKLOAD, Key: DOCUMENTS EMAIL RECIPIENT). Previously, the field was not populated correctly.

- PSWEB-13692 Change Password: The *Change Password* page is now accessible as expected. Previously, the page was only accessible for the first user accessing the page after a server restart.
- PSWEB-13441 Compliance: The translation feature now works as expected in the *Compliance Results* page. Previously, there was an issue with translations on this page.
- PSWEB-13376 Workflow: The Air Way Bill, House Air Way Bill, and User defined 11 shipment fields now appear in the Excel report output. Previously, these fields were not displayed correctly in the Excel output.
- PSWEB-13623 Workflow: In the End of Day manifest task, the delete option to remove a shipment from a batch now works as expected. Previously, depending on the option selected in the “Do you want this shipment to be picked up for future batch?” dialog box, some shipments were not removed from a shipment.
- PSWEB-13700 Documents: An issue viewing document images in environments with multiple load-balanced app servers has been resolved. Previously, document images did not always display correctly in these environments.
- PSWEB-13600 Workflow: Dates associated with tasks in the shipment workflow are now displaying correctly. Previously, some tasks were showing completion dates with the incorrect year.
- PSWEB-13529 Export Compliance: Updating the commodity codes now works as expected. Previously, an issue occurred when updating some of the details in a commodity code.
- PSFAP-8231 Foundation: The Product Code and Description fields in the *Items* page now accept a % character. Previously, an error occurred due to a Gateway exception with a % character in the request payload.
- PSFAP-8442 Foundation: A potential cross-site scripting (XSS) Web vulnerability has been closed.
- PSFAP-8536 Technical: A change was reverted as it is no longer required due to a change to Gateway.
- PSFAP-8636 EFM: A performance issue, which occurred when attaching new files to a shipment in the *Workflow Portal* page, has been resolved.
- PSFAP-8673 Technical: A new component, Liquibase, now checks the database schema during an upgrade and makes any necessary updates to the schema automatically. This component is enabled by the following property: `precision.spring.liquibase.enabled`
- PSFAP-8559 Web Security: A reflected cross-site scripting (XSS) issue found in the *Locales* page is now resolved.

Highway

The Highway version released with QAD GTTE v20.2 is 7.0.0. The Highway database schema has not changed in this release.

Technical Information

Java Version

The Java version used by Web UI is now 17.0.3.

Web Security

- A security misconfiguration has been corrected in the QAD GTTE product. Previously, certain APIs were accessible without valid authentication or restrictions. The attack vector for this vulnerability has been removed.
- A number of cross-site scripting (XSS) vulnerabilities, which made it possible for hackers to impersonate a legitimate user and perform transactions, have been identified and resolved.

Multi-App Server Support

Operational Analytics, DEM, and FBAP can now run across multiple application servers working off shared resources. Reports and Keycloak can now run in a clustered configuration sharing information between instances. This allows the solution to scale horizontally and work with multiple EC2 app servers in AWS.

Database Fix

A "Function sequence error" is now resolved. The fix involved changing connection parameters in "precisionini.con":

Added the following parameters:

```
-Dsrv QT_CACHE_SIZE,100000 -Dsrv PRGRS_TABLE_BLOCKSIZE,200000
```

Script Update

The downtime restart script now includes an automatic SQL DB index rebuild function (stored procedure).