



QAD Adaptive Applications

QAD Global Trade and Transportation Execution (GTTE) v20.3 Release Notes

September 2023

These release notes include information about the changes made to the latest version of QAD GTTE—formerly QAD Precision. The changes consist of new functionality, enhancements to existing functionality, and fixes.

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Overview

Current QAD GTTE Version: 20.3

Release Date: September 2023

Table 1 lists the components that have been updated with QAD GTTE v20.3.

Table 1

Components Updated with QAD GTTE v20.3

Component	Version
Win UI <ul style="list-style-type: none">Carrier Shipping IntegrationsATLASAES	R12 <ul style="list-style-type: none">S48R14R14
Web UI Highway	9.0.7 10.0.0
DEM	10.0.13-21 (Feature Update #12 + Release Fixes)
Imports	11.0.0-2 (Feature Update #7 + Release Fixes)
Docs	10.0.2-6 (Feature Update #2 + Release Fixes)
Analytics (Transport Execution, DEM, Trade Compliance, Product Master)	- Note: There is now just a single artifact for analytics.
TE	10.0.7-29
OTM	2.0.0
Content Subscriber Agent	4.0.0-8
Keycloak	18.0.2
Report Server	v23.1
EFM	10.0.4-20
Exports	10.0.0-24
FBAP	10.0.7-35
Foundation	10.0.10-19
Config Server	10.0.0-11
Eureka	10.0.0-10
Gateway	10.0.2-13

Sidecar	2.0.1-9
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Related Documentation

The latest version of the QAD GTTE online help is available at:

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

New Functionality, Enhancements, and Fixes

GTTE v20.3 contains a number of noteworthy enhancements.

Export Management

The latest release of the ATLAS module—ATLAS 3.0—is included in GTTE v20.3, as mandated by German customs.

QAD GTTE software received ATLAS 3.0 certification from Zoll in May 2023. The certification is available on [Zoll Online](#) (external link) in the QAD Inc. row.

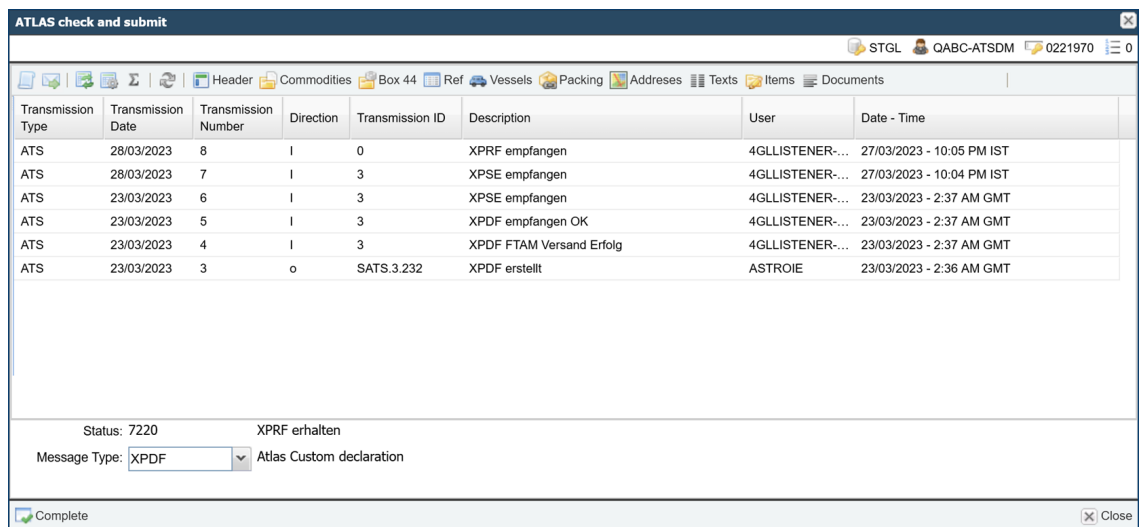
Key Changes

The following key changes are included in ATLAS 3.0:

- All transmissions now use an XML format and support Unicode characters, replacing electronic data interchange (EDI) and ASCII, respectively.

Fig. 1

ATLAS 3.0 Declarations



The screenshot shows a software window titled "ATLAS check and submit". At the top, there are navigation icons and a menu bar with options: Header, Commodities, Box 44, Ref, Vessels, Packing, Addresses, Texts, Items, Documents. Below the menu is a table with the following data:

Transmission Type	Transmission Date	Transmission Number	Direction	Transmission ID	Description	User	Date - Time
ATS	28/03/2023	8	I	0	XPRF empfangen	4GLLISTENER-...	27/03/2023 - 10:05 PM IST
ATS	28/03/2023	7	I	3	XPSE empfangen	4GLLISTENER-...	27/03/2023 - 10:04 PM IST
ATS	23/03/2023	6	I	3	XPSE empfangen	4GLLISTENER-...	23/03/2023 - 2:37 AM GMT
ATS	23/03/2023	5	I	3	XPDF empfangen OK	4GLLISTENER-...	23/03/2023 - 2:37 AM GMT
ATS	23/03/2023	4	I	3	XPDF FTAM Versand Erfolg	4GLLISTENER-...	23/03/2023 - 2:37 AM GMT
ATS	23/03/2023	3	o	SATS.3.232	XPDF erstellt	ASTROIE	23/03/2023 - 2:36 AM GMT

Below the table, there is a status section: Status: 7220, XPRF erhalten. Message Type: XPDF (dropdown), Atlas Custom declaration. At the bottom, there are "Complete" and "Close" buttons.

- Transmission Type codes are renamed.
- Declaration Type 2 and Declaration Type flags are replaced by an eight-digit code.
- The Export Control System (ECS) is being retired by the EU. Therefore, the data content and formatting requirements of ECS are incorporated in ATLAS 3.0 Automated Export System (AES). Fields such as the Box 44 values, postal codes, weights, values, and packing information are extended according to ECS standards. There is, however, a transition period before the ECS is retired, and during the transition period, the data formatting is still restricted according to ATLAS 2.4.
- Multiple inland transportation details can be recorded in ATLAS 3.0. During the ECS transition period, this is restricted to one inland transportation record.

- Introduction of new security data (0 - no security, 2 - includes security data) to support the ECS migration to the AES module across the EU.
- Additional parties—required on the declaration—can be specified.
- After the end of the transition period to ATLAS 3.0, if the type of registration is specified with the value EX, only the requested procedure codes with the values 10, 11, 21, 22, 23, and 31 are permitted.
- For the CO type of registration, only procedure code 10 is permitted.
- You can now define multiple two-digit transport codes (BX-18 / BX-18-1 / BX-18-2) for the mode of transport.
- For the inland mode of transport (BX-26), the mode of transport code is now one digit. Previously, it was two digits.
- For the mode of transport at the border (BX-25), the mode of transport code is now one digit. Previously, it was two digits.
- With the introduction of ATLAS AES 3.0, export declarations are possible if the main office of the party involved is in a third country and the permanent establishment is in the EU.
- To replace permits, a new authorization group is available.
- The country of origin is now mandatory, along with the region. Use 99 as the Region code for non-DE countries of origin.
- The location of goods (Box 30) mapping has changed. Use a specific prefix for the place code to define the type for location of goods.
- Export refunds are removed.
- The PV process owner is removed.
- Box 44 is reformatted from one list to multiple lists. Some Box 44 codes can be declared at header level.
- The Export Control functionality from the Win UI is retired due to significant changes in the Box 44 structure.
- Remarks and Special Facts are replaced by a new data group named Additional Information.
- The time recorded in outbound and inbound messages is now in UTC format.

Import Management

There are numerous new features and enhancements for the Imports module.

Invoice Numbers

When you create an import shipment in the *Create Import Shipment* window, you can now add invoice numbers to one or more shipment lines with the *Invoice Number* drop-down menu.

Configurable Search Fields

Import System Admins can now configure search fields for entries, import declarations, importer security filing (ISF), and purchase orders on the *Imports Configurator* page (option CFGITC).

More Button

The *More* button is now available next to the search buttons in the workflow *Search* panel. The button opens a pop-up window with additional search fields.

SRM Integration

A new integration with the QAD Supplier Relationship Management (SRM) solution is available for import documentation. With this integration, you can request documents from partners such as suppliers, brokers, and freight forwarders in SRM, then automatically receive the documents in GTTE when they are uploaded in SRM.

When the integration is configured, you can view SRM document requests in GTTE with the *SRM Document Requests* workflow task. Use the *SRM Document Requests* task to see which documents have been requested from SRM, the due date of the documents, and the date of receipt, if applicable.

Broker Job Enhancements

If the *Send to Brokers* checkbox is selected on the Classification Worksheet, then the Broker Job automatically sends product information to integrated brokers.

There are several enhancements for the Broker Job feature in GTTE v20.3:

- When any of the following fields are changed on the Classification Worksheet, the Broker Job is started:
 - *Country of Origin*
 - *Admissibility Flag*
 - *Commodity Code*
 - *Secondary Code*

- A new file format, JSON_V2, is added to the *File Format* field in the *Create Broker Job* and *Update Broker Job* pages in the *Imports Admin Maintenance Portal* (option ITCC).
- A new field named *Update Type* is available in the Broker Job configuration page (ITCC > *System Configuration* > *Broker Job*). This field allows admins to choose which classified products to include in a Broker Job using system values. Consequently, the *Full Update* checkbox is removed from the Broker Job configuration screen.
- A new Broker Job synchronization page is available from the *Pre-Entry* drop-down menu for the Import Compliance Analyst and Import Compliance Supervisor roles. The *Updated - System Sync* page (option PCSY) synchronizes products which have new classifications or updates for country of origin, admissibility flags, or secondary codes. The PCSY page also creates new labels for these products.

Recovery from Microservice Interruption

Previously, an interruption of the Imports microservice could prevent a running Broker Job from completing after the microservice resumed. To avoid this, a robustness feature is added to the background Broker Job functionality. The job is now expected to complete in a certain amount of time. If it fails to complete in the given time, the job resets and runs again at the next scheduled time. This reset timeout can be changed through advanced configuration.

Furthermore, a solution administrator can now be notified by email if a Broker Job fails to complete successfully.

RESTful API Enhancements

The following enhancements are available for the Imports API.

New Fields

The following fields are added to the Import Transactions endpoint of the Imports API.

Note: Import System Admins can access the Imports API documentation in GTTE from *API Documentation* > *Imports*.

The following new fields are part of the header element:

- | | |
|-------------------------|-------------------------------|
| ● airwayBillNumber | ● poNumber |
| ● asnNumber | ● portOfLoading |
| ● bolNumber | ● portOfUnlading |
| ● bookingNumber | ● referenceNumber |
| ● brokerFileNumber | ● relatedParties |
| ● entryNumber | ● straightBillNumber |
| ● foreignPortOfLading | ● supplierDivision |
| ● houseAirwayBillNumber | ● supplierOrderReference |
| ● importerNumber | ● supplierSop.sopReceived |
| ● invoiceNumber | ● supplierSop.sopReceivedDate |
| ● itNumber | ● supplierSop.sopRequired |

The following new fields are part of the lines element:

- buyingSector
- manufacturerId
- orderHandler
- poExternalReference
- vehicleDetails.trim
- vehicleDetails.vinNumber
- productDimensions.dimensionsUom
- productDimensions.height
- productDimensions.length
- productDimensions.width
- productManager
- productVolume.volume
- productVolume.volumeUom
- productWeight.grossWeight

The following new field is part of the products element:

- customsClassifications.reason

Dynamic Fields Update

You can now update a product's dynamic fields through the Imports API without affecting the product's classification.

Manufacturer ID

The `/api/import-shipment` endpoint now contains a `manufacturerId` field to capture line item Manufacturer IDs:

```
dataArea.importShipments[].lines[].manufacturerId
```

Invalid Requests

Requests to the `/api/import-shipment` endpoint that contain invalid data, such as a bad client, are now rejected on a per-shipment basis, meaning any remaining shipments in the request that are valid are processed. Previously, if any shipments in the request were invalid, the entire request was rejected.

Entry Summary

A new `/api/brokers/entry-summary` endpoint is available to receive Entry Summary data from brokers.

An Import Compliance Analyst can receive fields from CBP Form 7501—that is, customs data from brokers through the Imports API—so comparison of this data against an imports transaction can be performed.

Upon comparison, if any data mismatch occurs, a discrepancy is logged.

If the imports transaction had no values for any data field, the fields are filled with the valid data sent through this entry summary data.

The API url is:

```
precision/imports/api/brokers/entry-summary?executorName=<jobName>
```

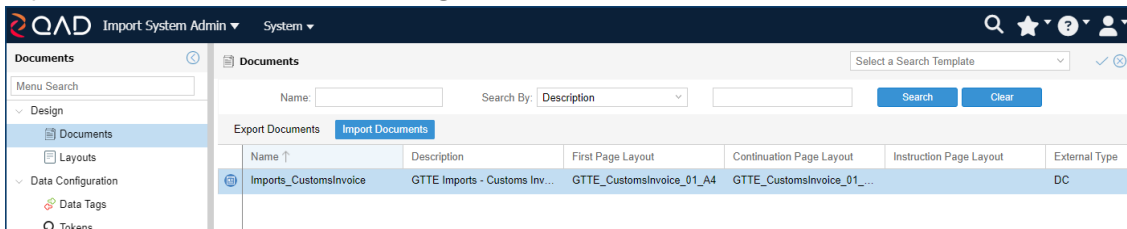
A sample .json file, called Customs Data from Broker, is available in the Imports API Swagger page.

Customs Invoice

A new Base Import Document for customs invoices (Imports_CustomsInvoice) is added to the *Documents* page (option DOCS). This document is populated by the Imports API.

Fig. 2

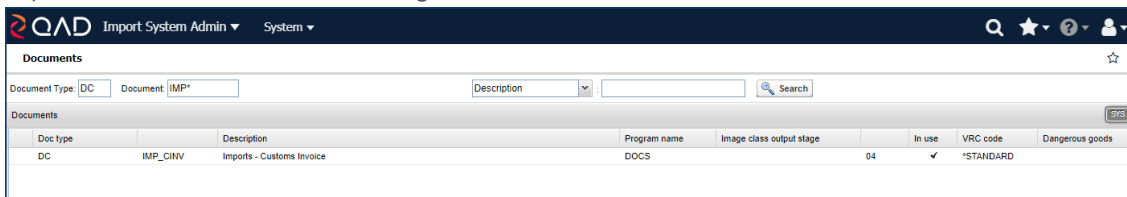
Imports Custom Invoice on Docs Page



On the *Documents* page (option DO), the imports custom invoice document is listed as IMP_CINV and document type DC.

Fig. 3

Imports Custom Invoice on DO Page



Documents (Auto-Generated)

The new *Documents (Auto-Generated)* workflow task (Key ID: WTDOCB50) allows a document from DOCS, such as a Customs Invoice, to be automatically generated and uploaded to Electronic File Management (EFM) when an import shipment transaction is created through the Imports API. The transaction must pass all necessary compliance checks.

Automated Entry Validation

Automated entry validation leverages several new Imports features in order to validate a broker's US entry summary before it is filed with customs authorities.

- Using the *FTN Check and Submit* workflow task, import shipment details are sent to a broker. The broker availability is currently limited to FedEx Trade Networks (FTN).
- The broker prepares an entry summary, and sends it to the imports module through the `/api/brokers/entry-summary` API endpoint.
- Using the *EDI Review* workflow task, you can review any discrepancies between the entry summary and the import shipment.

- You can then notify the broker that the entry summary is ready to be submitted to customs, or that discrepancies were found that must be corrected before the entry summary is submitted. Communication with the broker is not currently automated.

This feature is currently limited to use with US (7501) entry summaries and FTN, but the feature will be expanded to other brokers and jurisdictions based on customer demand.

Enhancements in the Classification Worksheet

In the Classification Worksheet, you can configure whether or not the Customs Description field is updated when you copy classification details. Furthermore, if you use the *Similar Product Search* feature to copy classification details from an existing product, the *Commercial Description* field is no longer updated.

Attachments Workflow Task Tags

A new workflow task for the *Attachments* task (Key ID: WFTIDO50) is available. In the *Attachments* workflow task, you can now add tags to attachments by clicking the icons in the *Tags* column.

The list of tags that can be added or edited is configured through system values.

Automatic Assignment of Documents to Workflows

Documents can now be automatically assigned to the *Documents* workflow task when a transaction is created. When a transaction is updated, documents cannot be automatically assigned to the task.

The documents to be assigned are configured through system values.

FTN Export

A new FTN Export workflow task (Key ID: WFTEXPFTN) is available. This workflow task sends Commercial Invoice data to FTN through their Customer Integration Brokerage Service API.

Imports Configurator (CFGITC)

On the Imports Configurator, an *Import API* tab is added. The *Product Feed* tab is removed.

New Imports Reports

In GTTE Reports, new predefined reports are added to the Import Trade Compliance folder. For more information, see the [Reports](#) section of the release notes.

New Compliance Checks

The following compliance checks are now available for import shipments:

Table 2

Imports Compliance Checks

Compliance Check	Description
Commodity Code PRODUCT_VALID_ITC-HTS	<p>If the commodity code of the item is invalid, the compliance check fails.</p> <p>Optionally, if the commodity code of the item is valid, but it does not match the product classification, the compliance check passes with a warning. You can enable this check by adding CHECK_PRODUCT_CLASSIFICATION to the <i>Optional params</i> field in the <i>Compliance Checks</i> configuration page (CKCFG) .</p>
Country of Origin (COO) ITC_VALID_PRODUCT_COO	<p>The COO is compared against:</p> <ol style="list-style-type: none"> 1. The Product Supplier COO 2. The Product Classification COO <p>The compliance check fails if the COO does not match either of these COOs.</p> <p>If a COO is not provided for the item, the compliance check passes.</p>
Standard Alpha Carrier Code (SCAC) ITC_BOL_NUMBER_CHECK	<p>If the header contains both a bill of lading (BOL) number and an Importing Carrier, the first four digits of the BOL are compared against any SCACs defined for the Importing Carrier.</p> <p>If an SCAC is not found, the compliance check passes with a warning.</p> <p>If one or more SCACs are defined for the Importing Carrier, but a match cannot be made with the first four digits of the BOL and any of the SCACs, the compliance check fails.</p> <p>If no BOL number is provided in the import shipment transaction, the compliance check is not performed.</p>

Minor Enhancements

- In the *Export Shipment Details* workflow task, *Invoice no* and *Secondary Commodity Codes* columns are added to the .json and .xlsx output files.
- To improve search usability, the following new Imports search fields are available to be configured into the Search panel in the Workflow Portal:
 - *SRM Due Date (From/To)*

- *SRM Rcv. Date (From/To)*
- *Air Waybill Number*
- *ASN Number*
- *External Reference*
- *Item - Purchase Order Number*
- In the Import Shipments workflow, the following columns are added:
 - *Delivery Date*
 - *Container Number*
 - *Invoice Number*
- In the Purchase Order workflow, the following columns are added:
 - *Reconciliation Status*
 - *Supplier Division*
 - *Payment Status*
- The *PO Number* search field label is updated to *Item - PO Number*. This change clarifies that the search field refers to items rather than the header.
- The *Product Code* search field label is updated to *Item - Product Code*. This change reflects that the search is performed at the item level.
- New fields are available in the *References* workflow task for import shipments:
 - *Container Number(s)*
 - *Customs Release Date*
 - *Delivery Date*
- When you save the *Classification Worksheet*, the *Classified By* and *Classified Date* fields only update if the *Reason* that is selected is not in the exceptions list. If the classification is new, the *Classified By* and *Classified Date* fields are set regardless of the *Reason* value.
- In the *Product Master*, if you receive a *Product Description* through the API that exceeds 40 characters, the full description is passed to the *Commercial Extended Description* field. There is also a new *Commercial Extended Description* search field.
- In the *Header Details* task for import shipment workflows, the *Country of Origin* field can be configured to include country codes or Canadian province codes.
- If a shipment is associated with multiple purchase order lines, the *Shipment Items* grid now displays a row for each data flow record. The same shipment may appear twice, but the shipment lines link to different purchase order lines.
- The *Header Details* workflow task is updated to include a dedicated *Air Waybill Number (AWB)* field, which is now distinct from the *Bill of Lading (B/L)* field.

Delivery Exception Management (DEM)

Supplier Integrations

- DEM includes a number of new supplier integrations.

Table 3

New DEM Supplier Integration in the QAD GTTE v20.3 Release

Supplier	Status Message Format
De Jong Koeriers	EDI (X12 214 4010)
DHL Freight	EDI (IFTSTA D01B)
Toll	API
Dimerco	EDI (X12 214 4010)
Effective Freight Solutions (EFS)	API
FedEx Trade Network	EDI (X12 214 4010)

- DEM includes an enhancement for the following supplier integration.

Table 4

DEM Supplier Integration Enhanced in the QAD GTTE v20.3 Release

Supplier	Enhancement
TNT International	New SFTP connection details are now used by the Supplier Wizard.

- The total number of recognized suppliers listed by the Create Supplier Wizard now stands at 115.

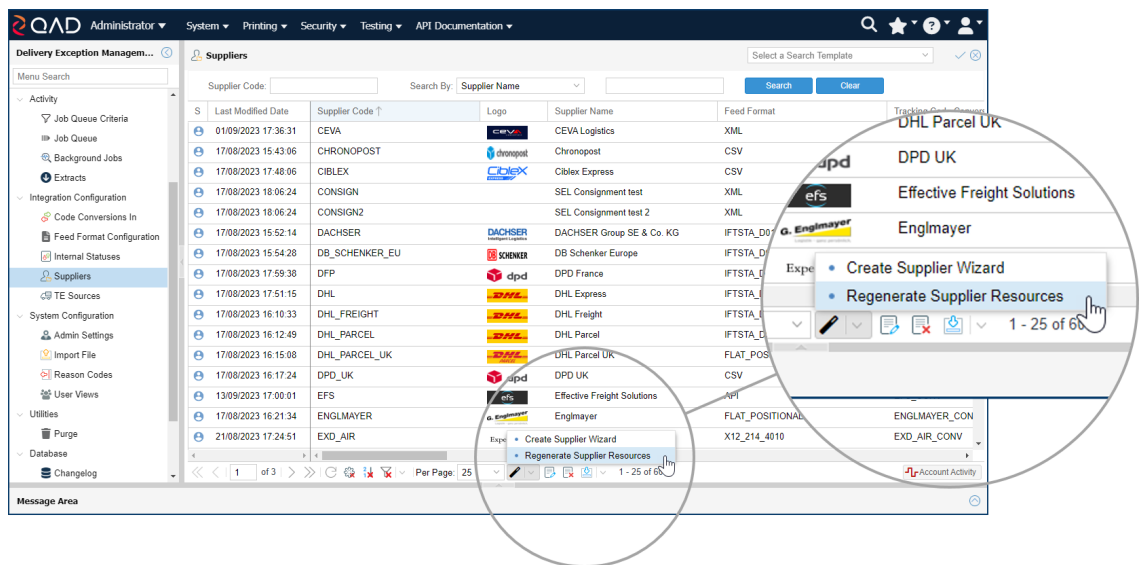
Minor Enhancements

- When adding a new supplier to DEM through the Create Supplier Wizard, the delimited or flat positional feed configuration is now created by DEM automatically.
- The “DEM-ready” data is now stored securely in the cloud, so the very latest preset data is available to the Create Supplier Wizard when you are adding a new supplier.

- When uploading files through FBAP and DEM, validation of records with city information against the place/city table is no longer performed. This change applies to:
 - Invoice information and shipment history information uploaded through menu options FAIN and FASH, respectively, or through Highway.
 - DEM data uploaded through Highway.
- The Create Supplier Wizard now enables you to regenerate the data for an existing supplier in DEM. To access this option, click the arrow to the right of the Create Supplier Wizard button in the Suppliers toolbar and then click Regenerate Supplier Resources.

Fig. 4

Regenerate Supplier Resources Option in Supplier Page



Minor Fixes

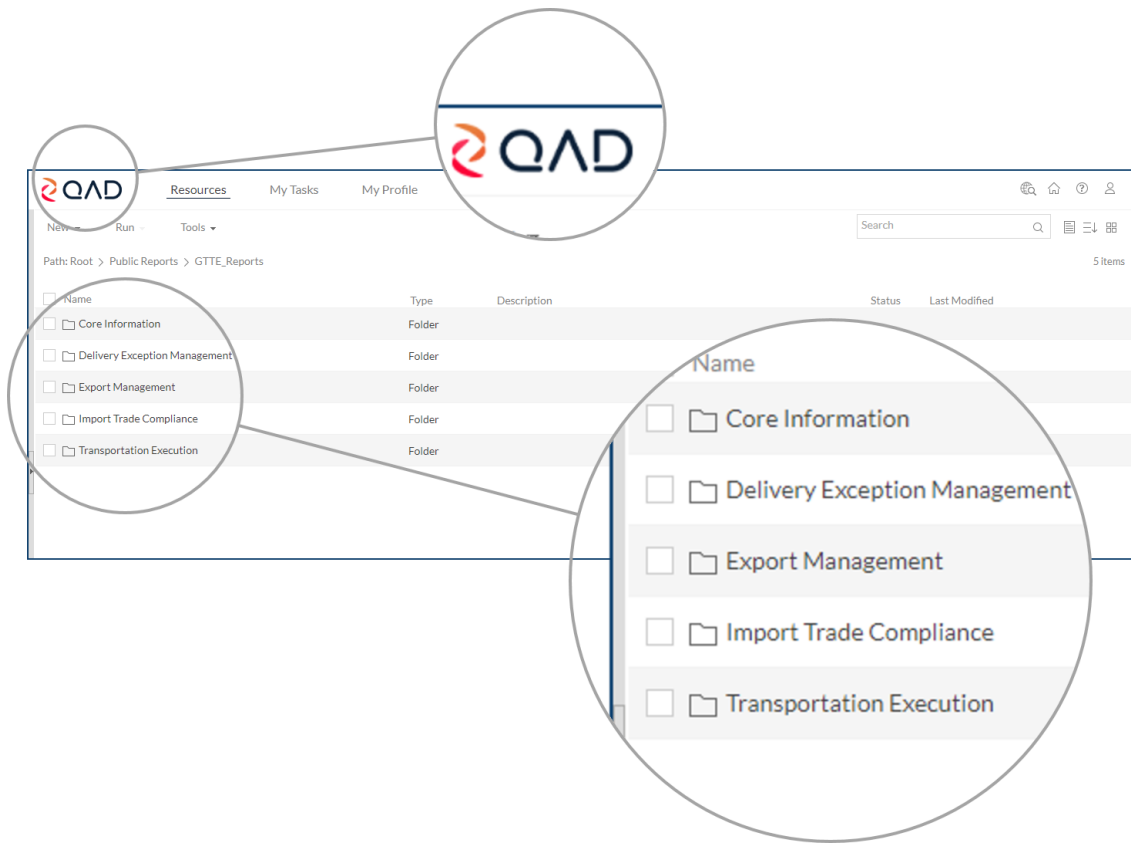
Some issues with viewing the Tracking History page at a lower screen resolution or on a smaller screen size are now resolved.

Reports

Predefined Reports

All predefined reports in the Export Management and Import Management modules are new in this release.

Fig. 5
New Folder for ITC Reports



For the full list of predefined QAD GTTE reports available in v20.3, see the table below.

Table 5
Predefined Reports Provided by QAD GTTE for the v20.3 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.
Import Trade Compliance	Custom Tab - Hierarchy Data Report	Details the custom tabs and all descendant entities for a specific client.
	Flex Domain - Hierarchy Data Report	Details the flex domains and all descendant entities for a specific client.
	Partner Master Report	Details each partner in the system. The report includes a CSV list of the partner roles that each partner is a member of.
	Partner Role Report	<p>Details the partner or partners allocated to each role in the system.</p> <p>One row is allocated to each partner role. If a partner has multiple roles, a row is included for each partner role for that partner.</p> <p>Partners with no assigned roles do not appear in the report.</p>
	Product Classification Report	Summarizes classifications for each product. The report includes Product Master details and a summary of data from certain child entities.

Product Commodity Report	Details the product commodities. The report has one row for each product classification and includes Product Master details.
Product Custom Attribute Report	Details custom attributes that are assigned to a product classification. The report has one row for each product classification custom attribute. The report includes the Product Master details and product classification details.
Product Export Control Report	Summarizes Product Export Control details. The report has one row for each Product Export Control record. The report includes the Product Master details.
Product Master Report	Summarizes the Product Master records.
Shipment Charge Report	Summarizes the shipment header and charge level attributes. The report includes the shipment header-level attributes.
Shipment Header Report	Summarizes the shipment header-level attributes.
Shipment Import Header Report	Summarizes the shipment import header-level attributes. The report includes the shipment header-level attributes.
Shipment Import Header EU Report	Summarizes the shipment import header-level attributes for the EU. The report includes the shipment header-level and shipment import header-level attributes.
Shipment Import Header US Report	Summarizes the shipment import header-level attributes for the US. The report includes the shipment header-level and shipment import header-level attributes.
Shipment Import Item Report	Summarizes the shipment import item-level attributes. The report includes the shipment header-level, shipment import header-level, and shipment item-level attributes.

	Shipment Item Report	Summarizes the shipment item-level attributes.
	Shipment Payment Report	Summarizes the shipment header-level and payment-level attributes.
	Supplier Status Tracker Report	Details the supplier status trackers in the system. The report includes the associated Partner Master details for each supplier status tracker.

Functionality Enhancements

- For consistency, report parameters now display on the output for all reports.
- QAD GTTE users with access to menu option LRC are synchronized to the Report Console. A background process performs this synchronization. Previously, administrators had to manually create the user in the Report Console.
- The SupplierId parameter in the selection criteria for the predefined DEM reports shows supplier IDs based on the user's user view configuration.
- The Reports Server is upgraded to v23.1.
- The skin for the Report Console pages is now consistent with the rest of the QAD GTTE Web UI.
 - **Note:** Any existing skin resources must be updated to include new styles needed to ensure the logo is displayed correctly on the report console page.

```

style.css
:
/**
 * Reports
 **/
img.reports-logo {
    background-image: url(../images/qad-home-page-logo.png) !important;
    background-repeat: no-repeat;
    background-size: contain !important;
    padding: 10px 54px 20px 50px;
    width: 100px;
}

.navbar-default .navbar-nav>.menuitem_on>a {
    border-bottom: 1px solid #0B2038 !important;
}

```

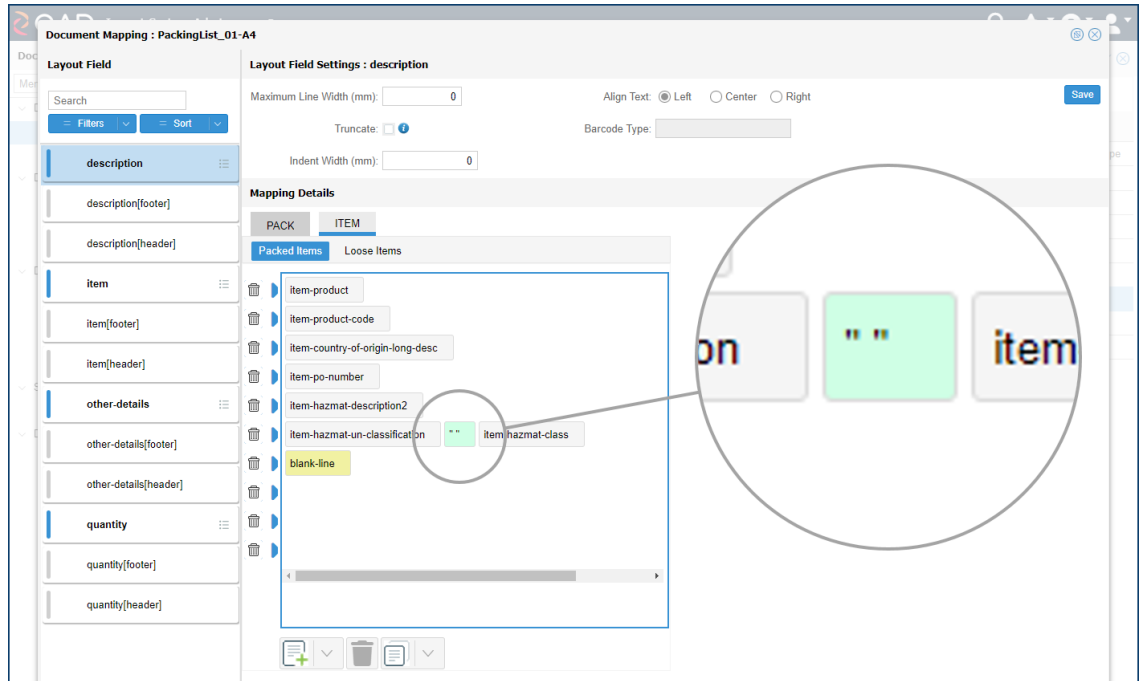
Docs

Enhancements

- Spaces are no longer implicitly added by the document generation engine. If a space is needed between two data outputs then it now needs to be explicitly specified, either by using static text or a before or after label.

Fig. 6

Explicitly Specifying a Space Between Data Tag Elements



Freight Bill Audit and Pay (FBAP)

Supplier Integrations

- FBAP includes a new supplier integration to facilitate the invoice file format provided by the supplier.

Table 6

New Supplier Integration with FBAP in the QAD GTTE v20.3 Release

Supplier	Status Message Format
TNT	ANSI X12 210

Minor Enhancements

- When uploading files through FBAP and DEM, validation of records with city information against the place/city table is no longer performed. This change applies to:
 - Invoice information and shipment history information uploaded through menu options FAIN and FASH, respectively, or through Highway.
 - DEM data uploaded through Highway.
- It is now possible to include all visible grid columns when exporting an invoice to CSV format from the Invoices page (menu option FAIN). This allows you to extract all invoice data from the grid.

Fixes

- An issue with paging through records on FBAP pages has been resolved.
- The “total number of records” value below the grid on each FBAP page is now visible and accurate.
- Invalid conversion types have been removed from the types available to select when creating code mappings related to the Code Conversion In and Code Conversion Out pages.

Transportation Execution

TE Portal - Rate Maintenance

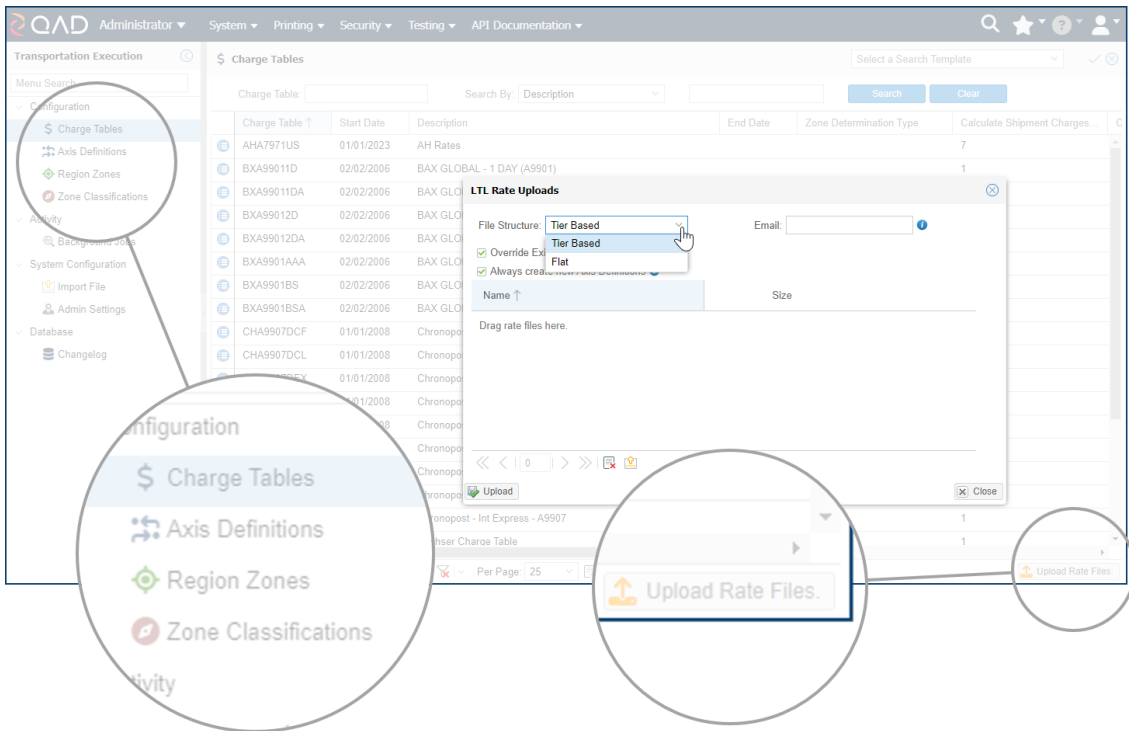
The new Transportation Execution Portal (menu option TE) allows you to upload and maintain rate structure data in the Web UI. It contains several new pages that replace existing pages:

- Charge Tables (menu option TH)
- Axis Definitions (menu option ZX)
- Zones (menu option RG)
- Zone Classifications (menu option ZC)

On the new Charge Tables page, use the Upload Rate Files button to upload rate structures from Excel files.

Fig. 7

Upload Rate Files Button in the TE Portal



The Excel files can contain multiple sheets. The upload process runs in the background, so that you can carry out other work while waiting for it to complete. A Background Jobs page allows you to check the status of the upload process and review any errors. You can also configure the system to automatically email you the job result. When the upload process is complete, a new Charge Table record is visible in the TE portal page, along with the associated axis definitions, region zones, and zone classification records.

You can review this data to troubleshoot issues or validate that the rates are as expected.

Previously, it was only possible to upload Excel files with single sheets in the foreground and the error handling was not as comprehensive as it is now.

Web UI 9.0 Patches

The 20.3 release includes fixes from Web UI patches 9.0.4 to 9.0.7, inclusive.

Transportation Execution - Global Carrier Network

QAD GTTE v20.3 is released with **S48**, which provides a number of enhancements and fixes to the way the solution connects with an expanded list of carriers.

Introduction

These release notes include information about the latest QAD GTTE Transport Execution Global Carrier Network fixes and changes. These changes may affect the way you use QAD GTTE Transport Execution.

Application Enhancements

Black Box – Message Changes

- ProcessSPSResponse
 - Return the Payment Method fields for ProcessShipment also.

LTL – Check Digits Added

- CNWY (Conway Freight)
- CWNO (Conway Northern Express)
- CWSE (Conway Southern Express)
- XPOL (XPO Logistics)

LTL – Generic Label and Manifest

- The service type code/description on the label is configurable for each carrier.
- The Third Party address is optional for Third Party shipments.

For more information on some of these features, see the Transportation Execution section of the [QAD GTTE online help](#).

Routing Guide

- When applicable, exclusion rule information is now included in the audit file.
- Postal code ranges for GB can now be recognized by the Routing Guide engine using the significant characters only.
- Performance improvements are applied.
- The Routing Guide engine now stops processing when the highest preference services are found with a successful result.

For more information on the Routing Guide, see the Transportation Execution section of the [QAD GTTE online help](#).





General Enhancements

FTP communication

- You can now configure and handle multiple hostkeys in the system values.
- Extra logging is now available for the PSFTP method.



Carrier-Specific Enhancements



This release offers support for a number of additional carrier-specific features.






Carrier		Note
Aramex		See Carrier Functionality Guide for more details of this carrier.
Atuhora		See Carrier Functionality Guide for more details of this carrier.
Australia Post / Star Track		Communication + Added support for “XTTRANSF” communication to the carrier API.
Bring		Communication + Correction for the PLD file name if the shipper account number is longer than 8 digits.
Burd		See Carrier Functionality Guide for more details of this carrier.
Best (US Postal Service)		See Carrier Functionality Guide for more details of this carrier.
Canada Post		Engine + Upgrade to support the latest certified version (v16).
CBL		Engine + Change to how the Andorra postcodes are handled in the postal routing barcode.
Chronopost		Engine + The Portugal postal codes are now padded out with leading zeros. Label + The separators on the 2D barcode must be output in Hex on Zebra printers. QAD GTTE TE now supports this requirement.



		<p>Services</p> <ul style="list-style-type: none"> + Added support for Chrono Precise services.
Dachser		<p>Engine</p> <ul style="list-style-type: none"> + Added support for Poland origin. + Added support for Telephone Delivery Booking accessorial option. + Extended the routing determination logic. <p>Communication</p> <ul style="list-style-type: none"> + You can now configure a file name prefix to be set for the file name. <p>Label</p> <ul style="list-style-type: none"> + The Ship To contact name is now output if space is available. + The branch name description is now output even if the branch code is not available. + Configurable references are now output correctly to the label. <p>Mapping</p> <ul style="list-style-type: none"> + Added support for the handling of lithium battery mapping requirements for ADR shipping. + Changed where the Ireland postcode is output to the PLD file.
Dachser Spain (Azkar)		<p>Communication</p> <ul style="list-style-type: none"> + TE now includes support for WINS SCP and SFTP communication to the carrier for end-of-day files. <p>Mapping</p> <ul style="list-style-type: none"> + The system now gets the Parcelshop address from the Hold at Location address instead of Ship To address.
Danske Fragtmaend		<p>Services</p> <ul style="list-style-type: none"> + Added support for DOT services. + Added support for Private Delivery service.
Danx		<p>Services</p> <ul style="list-style-type: none"> + Added support for BULKY and STOCK services.
DB Schenker		<p>Engine</p> <ul style="list-style-type: none"> + Added support for Belgium origin. <p>Label</p> <ul style="list-style-type: none"> + The code-128 barcode is now GS1-enabled to support the carrier requirement.



		<ul style="list-style-type: none"> + The system now outputs the selected Despatch Date of the shipment instead of the Today date. + The label now includes the package weight. <p>Mapping</p> <ul style="list-style-type: none"> + The Consignor Address can now be configured as different from the Pickup Address.
DHL eCommerce		<p>Engine</p> <ul style="list-style-type: none"> + The system now supports the July 2023 requirements for Dangerous Goods. + Added support for the calculation of peak surcharges.
DHL MyDHL API		See Carrier Functionality Guide for more details of this carrier.
DHL Freight Nordics		See Carrier Functionality Guide for more details of this carrier.
DHL Paket		<p>Label</p> <ul style="list-style-type: none"> + You can now print an additional reference.
DHL Parcel Benelux (API)		See Carrier Functionality Guide for more details of this carrier.
DHL Parcel Spain (API)		See Carrier Functionality Guide for more details of this carrier.
DHL Parcel UK		<p>Label</p> <ul style="list-style-type: none"> + The system now outputs the correct Despatch Date. + Configurable shipment references are now output correctly.
DHL Parcel Spain (EDI)		<p>Label</p> <ul style="list-style-type: none"> + The additional “J” for the barcoded text value is now output.
DHL Parcel Connect		<p>Engine</p> <ul style="list-style-type: none"> + The system now includes additional support for shipping to Service Points, including the validation of data through the use of a DHL Parcel Connect API call.
DHL Express / Time Definite (EDI)		<p>Engine</p> <ul style="list-style-type: none"> + Extended the integration to support US origin. + Performance improvements are applied to the engine.

		<p>Mapping</p> <ul style="list-style-type: none"> + Added support for both gross and net weight mappings for the commodity information.
DHL Express (XML PI)		<p>Communication</p> <ul style="list-style-type: none"> + The system now allows the use of XTTRANSF to communicate with the carrier API. <p>Engine</p> <ul style="list-style-type: none"> + You can now specify a master currency for the BBX master shipment, and convert all child shipment values to this currency. + The system now parses out and stores the dimensional weights of the packs. + Implemented performance improvements to the processing of this integration. <p>Mapping</p> <ul style="list-style-type: none"> + The system now maps an insured value for schema v10. + Additional field mappings required for Paperless Clearance are now supported. + The system now maps the net weight of items, when available. + The Exporter can now be different from the Shipper. + The system no longer reformats or blanks out the Ireland postcode. + A change was introduced to comply with DHL's requirement for the mapping of the Master and Child account numbers to the DHL API integration request for BBX processing.
DPD (Meta API)		See Carrier Functionality Guide for more details of this carrier.
DPD Poland		See Carrier Functionality Guide for more details of this carrier.
DPD UK		<p>Label</p> <ul style="list-style-type: none"> + The system now outputs the Carbon Neutral statement on the label for destinations of GB, Jersey, Guernsey, Isle of Man, Northern Ireland, and the Republic of Ireland. <p>Services</p> <ul style="list-style-type: none"> + Added support for Swap-It services.
DSV		<p>Engine</p> <ul style="list-style-type: none"> + Added support for Belgium origin.

		<p>Mapping</p> <ul style="list-style-type: none"> + The system now supports the population of the SSCC number and Waybill number from an external application. + An alternative Pickup Address can now be mapped based on the selected service. <p>Services</p> <ul style="list-style-type: none"> + Added support for Groupage Before 10:00 service.
EFS		See Carrier Functionality Guide for more details of this carrier.
Europaket Germany		See Carrier Functionality Guide for more details of this carrier.
Endicia (USPS)		<p>Engine</p> <ul style="list-style-type: none"> + Now, the end-of-day batches can be split into smaller sub-batches of 1000 shipments/packages, due to constraints on the Endicia back-end for the number of shipments allowed in a SCAN request. <p>Services</p> <ul style="list-style-type: none"> + Added support for the Ground Advantage service.
FedEx		<p>FSMS: Integration</p> <ul style="list-style-type: none"> + You can now enable ETD for EU to EU shipments, but suppress the archive/pouch label from printing. + You can now print the archive/pouch label for DE origin, even when ETD is in use. + You can now suppress the shipper contact name on the label. + You can now process multi-piece IPD shipments as a single call to FSMS instead of making a call for each package. + The system now calculates and stores the dimensional weight for packages for US domestic shipments. See the Carrier Functionality Guide for more details of this carrier. <p>WebServices: Integration</p> <ul style="list-style-type: none"> + Extended the functionality for ETD processing. + Corrections were made for the FedEx Freight rate calculations. + Corrections were made for the processing of lithium batteries. + Corrections were made in the mapping of the Weight field for Lineltems in the RATE requests. + Return shipments can now be future-dated when processed as an Outbound shipment. + The system now parses the correct transit time for the Smartpost service. + Added support for Regional Economy service.

FedEx China Domestic (DTW)		<p>Label</p> <ul style="list-style-type: none"> + The system now suppresses the Ship To contact name and phone number on the label to meet new carrier requirements.
Geodis (EDI)		<p>Engine</p> <ul style="list-style-type: none"> + Revisions are applied for the correct handling of on-the-fly consolidation requirements. + A change was applied to the structure of the Pickup Number for an end-of-day batch.
Geodis Europe (API)		See Carrier Functionality Guide for more details of this carrier.
GLS Denmark (API)		See Carrier Functionality Guide for more details of this carrier.
GLS Poland (API)		See Carrier Functionality Guide for more details of this carrier.
GLS Spain (API)		See Carrier Functionality Guide for more details of this carrier.
GLS Spain (EDI)		<p>Engine</p> <ul style="list-style-type: none"> + The system now supports on-the-fly consolidation. + The SSCC code is now unique for each package. <p>Label</p> <ul style="list-style-type: none"> + The Return To address can now be used on the label. + The system now gets the Parcelshop address from the Hold at Location address instead of the Ship To address. <p>Mapping</p> <ul style="list-style-type: none"> + The REFBTO field can now be a configurable value.
GLS US (formerly GSO)		<p>Engine</p> <ul style="list-style-type: none"> + Errors are now captured while connecting to the API and the system does not proceed with processing if there are connectivity issues.
ICS Courier		<p>Label</p> <ul style="list-style-type: none"> + The system now supports the printing of the special instructions on the label.
K&N Europe		See Carrier Functionality Guide for more details of this carrier.
Loomis		<p>Engine</p> <ul style="list-style-type: none"> + The system now supports the latest Loomis API response message schema version.

Nacex Spain		See Carrier Functionality Guide for more details of this carrier.
Optima		<p>Engine</p> <ul style="list-style-type: none"> + The system now forces the shipping process to stop if the rating process fails. <p>Mapping</p> <ul style="list-style-type: none"> + The configurable references are now mapped through a different structure in the API request.
Pall-Ex		<p>Engine</p> <ul style="list-style-type: none"> + The SOAP API call for Label retrieval was removed and the system now uses the Rest API only. <p>Mapping</p> <ul style="list-style-type: none"> + Added mappings for Tail-Lift and Restricted Access fields.
Paquet Express		<p>Communication</p> <ul style="list-style-type: none"> + The system now supports the use of XTTRANSF to communicate with the carrier API.
Post Italiane		See Carrier Functionality Guide for more details of this carrier.
PostNL		<p>Mapping</p> <ul style="list-style-type: none"> + The system now maps the DeliveryAddress field for the Pickup/Drop-off accessorial only.
Postis		<p>Mapping</p> <ul style="list-style-type: none"> + Small changes were made to how addresses are mapped to the Postis API request.
Postnord		<p>Engine</p> <ul style="list-style-type: none"> + The system now processes shipments containing lithium batteries correctly based on the carrier's requirements. <p>Label</p> <ul style="list-style-type: none"> + The system now supports the output of a 3rd reference when the space is available. <p>Mapping</p> <ul style="list-style-type: none"> + The system now allows the dimensions to be mapped explicitly from the equivalent GTTE package fields. + The system now allows different induction addresses to be configurable based on pallet/groupage/parcels into Denmark and Finland. <p>Services</p> <ul style="list-style-type: none"> + Added support for Click-and-Collect service.

Raben		<p>Engine</p> <ul style="list-style-type: none"> + Added support for the processing of Lithium Batteries and Dangerous Goods. + The system now supports a configurable consolidation reference field. <p>Label</p> <ul style="list-style-type: none"> + The Polish text for shipments of non-Poland origin is now removed. + The system now allows a specific consignor address to be printed on the label. + The system now outputs the appropriate cargo type based on the packaging type. <p>Services</p> <ul style="list-style-type: none"> + Added support for Early Morning services.
Redur		<p>Engine</p> <ul style="list-style-type: none"> + Added support for Service Level Validation and Transit Time calculation.
Seur		<p>Engine</p> <ul style="list-style-type: none"> + Added support for Service Level Validation and updated the Transit Time calculation.
SF Express		<p>Engine</p> <ul style="list-style-type: none"> + The contact name and phone number are now mandatory, if configured by the shipper.
SMC³		<p>Engine</p> <ul style="list-style-type: none"> + The tracking numbers can now be generated from the GTTE generic tracking number process. + The Dispatch process can now be switched off. + The system does not calculate rates for Third Party or Collect shipments.
Swiss Post		See Carrier Functionality Guide for more details of this carrier.
T-Force		See Carrier Functionality Guide for more details of this carrier.
Transol DDS		<p>Label</p> <ul style="list-style-type: none"> + All of the configurable references are now printed on the label. <p>Mapping</p> <ul style="list-style-type: none"> + The system now supports the mapping of a mobile phone number.

TNT Australia	<p>Label</p> <ul style="list-style-type: none"> + The system now supports the right-alignment of some of the markers on the label.
TNT Express	<p>Engine</p> <ul style="list-style-type: none"> + Added support for Turkey origin for Domestic shipping requirements. + Added support for Finland origin. + Added support for Sweden domestic services. + The outputs of the Canary Islands are treated as Spain for the country code. + Limited Quantity is not allowed for Air. Instead, it is treated as Hazardous. + The system includes improvements to the performance of this integration. <p>Label</p> <ul style="list-style-type: none"> + The system supports a PDF version of the offline label. <p>Rating</p> <ul style="list-style-type: none"> + Added support for Peak Surcharge calculation.
TNT France Domestic	<p>Communication</p> <ul style="list-style-type: none"> + Better error-trapping on connectivity issues and the extension of error checks to support XTTRANSF as the communication method to carrier routing API. <p>Mapping</p> <ul style="list-style-type: none"> + Added a mapping for an Email Notification indicator.
Toll (API)	<p>Engine</p> <ul style="list-style-type: none"> + Upgraded this integration to the latest supported version used by the carrier.
UPS	<p>Engine</p> <ul style="list-style-type: none"> + Updates for the handling of lithium battery requirements are included, especially for mixed lithium battery types. + The system now allows the processing of UPS accounts with an extended set of supported characters. <p>Mapping</p> <ul style="list-style-type: none"> + An item line with a very large commodity quantity can be split across lines due to Quantity field length constraints. <p>Rating</p> <ul style="list-style-type: none"> + PAK rates are calculated by package instead of shipment. + All appropriate surcharges are considered in the fuel surcharge calculation.

UPS SCS		<p>Engine</p> <ul style="list-style-type: none"> + Routing determination for Ireland postcodes is now supported. <p>Mapping</p> <ul style="list-style-type: none"> + The password can contain values up to 64 characters. + The account number is now passed to the API with leading zeros.
Wahl		<p>Engine</p> <ul style="list-style-type: none"> + Added an improved base64 decoding method to replace the older method to ensure that the manifest document is decoded correctly. <p>Label</p> <ul style="list-style-type: none"> + The package weight is output to the label.
XPO Spain		<p>Engine</p> <ul style="list-style-type: none"> + The variable sequence number section of the tracking number generated for the carrier can now have a higher number of digits. <p>Communication</p> <ul style="list-style-type: none"> + The system now supports SFTP communication to the carrier for end-of-day files.
XPO UK		<p>Label</p> <ul style="list-style-type: none"> + The system now prints the ETA Date instead of the Shipment Date. + The system now outputs additional configurable shipment references to the user-defined markers, if these markers are not already in use. <p>Mapping</p> <ul style="list-style-type: none"> + Additional references can be mapped. + It is now possible to map the barcode value for the package.

Highway

The Highway version released with QAD GTTE v20.3 is 10.0.0. The Highway database schema has not changed in this release.

- Updated the UI with logo, favicon, and style changes to reflect the new QAD branding.
- Resolved an email issue caused by a missing required third party component–activation-1.1.1.jar.
- Added a new rate shop payload plugin to help transform standard XML to a format required by the client.

- JMS reader threads can now be started automatically based on the number of queued messages on the JMS queue. The functionality can be configured using the new endpoint property `StartNewReader`. By default, this feature is turned off.

Content Subscriber

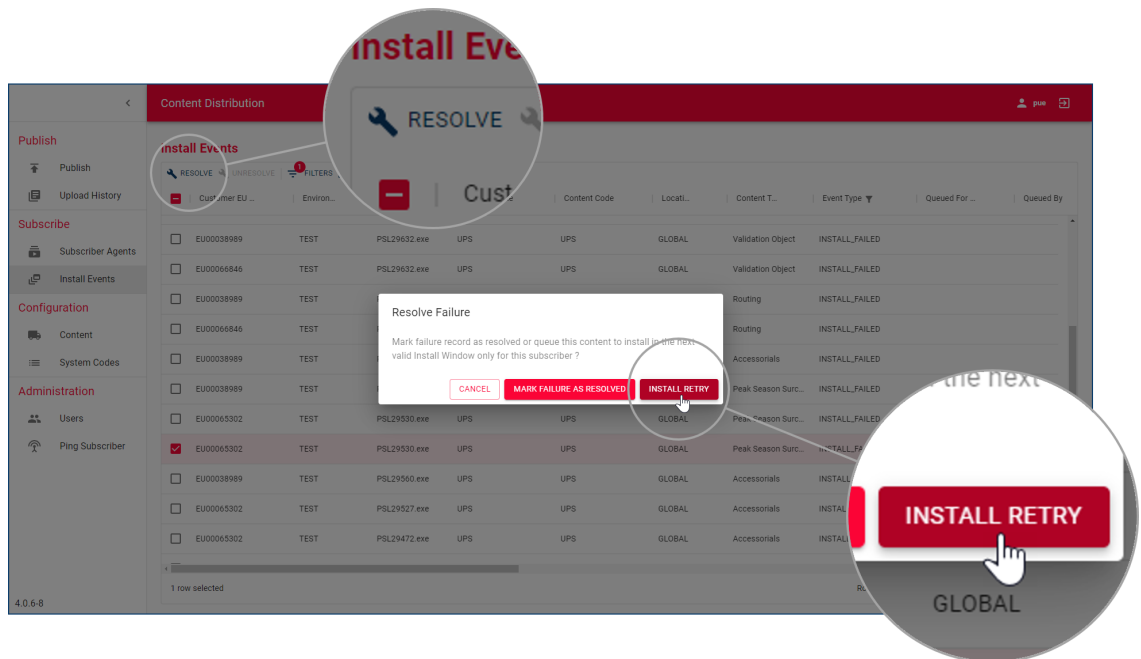
The Subscriber version released with QAD GTTE v20.3 is 4.0.0-8.

Enhancements

- Added support to allow the Publisher to send a request to a Subscriber Agent to retry installing content that previously failed to install. When a user selects Install Retry as part of trying to resolve a failed content install, the Publisher notifies the Subscriber Agent that experienced the failure event to retry installing the content in the next available installation window.

Fig. 8

Install Retry Button



- The validation used to check that Transportation Execution content has been installed correctly has been improved. The data in the Content Upload History table is now checked correctly in cases where the content is small and installs immediately.
- Improved error handling when connecting to the content folder in the Google Cloud. Transient issues of connecting to Google Drive are no longer handled as FILE_NOT_FOUND errors but are handled as network issues. This approach allows the Subscriber Agents to check for this content again during the next polling cycle.
- Added support to allow the Publisher to request the Subscriber Agent to put certain content "on hold" for PROD environments.

Minor Fixes and Security Changes

- Improved support for Import and Trade Compliance (ITC) content loading and improved how the ITC content installer confirms content has been successfully loaded.
- Upgraded dependency libraries (Guava) to address some known Common Vulnerabilities and Exposures (CVEs).
- Upgraded dependency libraries (OAuth Client) to address some known CVEs.
- Upgraded dependency libraries (Protocol Buffers) to address some known CVEs.
- Upgraded Spring Boot & Spring Cloud versions used.
- Upgraded dependency libraries (SnakeYAML) to address some known CVEs.
- Upgraded dependency libraries (JaCoCo) to address some known CVEs.
- Updated the Content Distribution Subscriber to use only JDK 17 or higher.
- Improved logging output.

Technical Details

Java Version

The Java version used by Web UI remains at 17.

The following components are compiled specifically for Java 17 and cannot be run with an earlier version of Java:

- Content Subscriber
- Exports

OTM Adaptor

The OTM adaptor is now supported in AWS.

AWS - Public Endpoints

Highway provides a number of standard endpoints to allow clients to push data to, or request data from, GTTE. Some of these endpoints are not available in AWS public cloud environments.

/highway/http/SubmitMessageAuthSecure	🔒 Available
/highway/http/SubmitPayloadMessageAuthSecure	🔒 Available
/highway/http/SubmitMessage	Blocked
/highway/http/SubmitPayloadMessage	Blocked
/highway/ws/precision	🔒 Available

Web Security

GTTE has undergone static, dynamic, and software composition analysis (SCA) scans using the Veracode platform and potential vulnerabilities identified as not satisfying our security policy have been resolved.

Fig. 9

Veracode Policy Evaluation

