



Transportation Execution SOA Highway Servlet API

Technical Reference
QAD GTTE



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Change Summary

The following table summarizes significant differences between this document and previous versions.

Date/Version	Description	Reference
February 2026/20	Update to include the MemoText and FailureEmailAddress fields in the AlertNotification section of the ShipShipment Payload and CreateShipment Payload Chapters.	Section: AlertNotification
July 2025/20	Adjustment to the document title from Transportation Execution API Technical Reference to Transportation Execution SOA Highway Servlet API Technical Reference.	--
August 2024/20	Update to the Action section of the ProcessEOD message to indicate that it is mandatory.	Section: Action
August 2024/20	Updates to the VoidShipment Attributes and UpdateShipment Attributes sections to provide more information on the attributes for these messages.	VoidShipment Attributes , UpdateShipment Attributes
July 2024/20	Updates to bring this document in line with the XSD schema for these messages: <ul style="list-style-type: none"> Updated the ProcessShipment attributes to include collatePDFMerge and collatePDFMergeld Updated the ReprintShipment attributes to include collatePDFDocuments, collatePDFMerge, and collatePDFMergeld 	ProcessShipment Attributes , ReprintShipment Attributes
June 2024/20	Rebranding and minor technical updates	--

Chapter 1: Introduction

This section details the Transportation Execution SOA Highway Servlet API features and how they are accessed by external applications.

Overview

Describes the purpose of the API.

Messaging Protocol

Explains how messages are called by external systems.

API Functions

Lists the messages and message functionality.

XML Layout

Describes the structure of the XML messages.

Notation

Describes the data types and symbols that are used throughout the document.

Overview

The SOA Highway Servlet APIs enable businesses to access QAD GTTE functionality through independent applications and platforms. QAD GTTE's features can be used in many different ways to create customized solutions for your business's shipping and labeling needs.

Messaging Protocol

The SOA Highway Servlet APIs have a range of business components that can be called by an external ERP or WMS, without any screen interaction with the QAD GTTE UI. One method of accessing the individual components is by sending prescribed XML messages through Highway, QAD GTTE's message handling tool that routes the XML files to the endpoints in the API process flow.

XML messages are sent to QAD GTTE from external systems that are not connected to the QAD GTTE database. The external system communicates with QAD GTTE through Highway, and sends the shipment information that is required for processing. The external system then receives a result from the QAD GTTE SPS engine to indicate either the success or failure of the call.

The data passed through and returned must match the XML format exactly as specified by QAD GTTE. The purpose of this document is to describe the XML message structure.

API Functions

The SOA Highway Servlet APIs allow external systems to carry out the following functions:

Message	Function
CreateShipment	This message is used to create a shipment. No additional processing, such as rating or labeling, is intended beyond the simple creation of the shipment in the database.
ShipShipment	This message is used to create a shipment in QAD GTTE, with the potential processing to then rate and label it. It contains all the required characteristics of the shipment necessary for shipping domestically or internationally.
ReprintShipment	This message is used to print documents or labels for a shipment in QAD GTTE.

RateShopShipment	This message is used to create a quote in QAD GTTE, with the additional processing to rate shop this quote to return potential estimates of charges to the external application.
VoidShipment	This message is used to void a shipment in QAD GTTE, which means that the rates and tracking numbers of the shipment are removed. In addition, the shipment can be deleted from the QAD GTTE database.
UpdateShipment	This message is used to update a shipment in QAD GTTE. This means that a limited set of fields can be updated on the shipment, even after the shipment has been rated or shipped.
ProcessEOD	This message is used to request an end-of-day close for the current open set of rated or shipped shipments for a particular carrier or packing location.
ProcessShipment	This message is used to process an action on an existing shipment in the QAD GTTE application.
QueryShipment	This message is used to query information for an existing shipment in QAD GTTE.
ServicePaymentsAccessorials	This message request is used to determine the list of available Freight Payment Methods, COD Payment Methods, and Duty Payment Methods for a particular carrier service.
ConsolidateShipments	This message is used for the consolidation of multiple child shipments on an existing or new parent shipment in QAD GTTE.
ValidateShipAddress	This message is used to validate the address that is passed to the API, based on specific validation criteria.
ProcessShipmentLines	This message is used to process an action against shipment item lines on an existing shipment in the QAD GTTE application.
ProcessSPSResponse	This message is used as the response to the different input SPS input messages.

XML Layout

Each XML message opens with the message type and establishes the corresponding schema (XSD) location.

The following example shows the beginning of a ShipShipment message:

```
<ShipShipment revision="S34" environment="Production" lang="en-US"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ShipShipment.xsd">
```

This is followed by the <ApplicationArea> and the <DataArea>. In the <ApplicationArea>, the user sending the request can include information that uniquely identifies themselves, their machine, and the message.

The following example shows the basic layout of the <ApplicationArea> in a ShipShipment message:

```
<ApplicationArea>
  <Sender>
    <LogicalId />
    <ReferenceId />
    <UniqueMessageId />
  </Sender>
  <CreationDateTime />
</ApplicationArea>
```

The <ApplicationArea> elements are described in the table below:

Element	Data Type	Description
Sender	Section	Indicates a set of data for uniquely identifying the message.
LogicalId	Char	Identifies the machine from which the request was made.
ReferenceID	Char	Identifies the user making the request.
UniqueMessageID	Char	Uniquely identifies the message request for debugging purposes.
CreationDateTime	DateTime	Identifies the date and time of the message creation.

The <DataArea> holds the attributes for the message, followed by the main body of the message. The attributes can determine, for example, whether labels should be printed in the event of a successful rating. The attributes are described in the message sections later in the document.

```
<DataArea>
  <Ship confirm="Always" create="1" printLabels="1" printITLDocs="1" printFileReturned="1"
  breakdownChargesReturned="0" createDespatchMaster="0" />
  [...]
</DataArea>
```

Notation

Data Types

The following acronyms are used in the Data Type column:

Acronym	Description
Char	Character
Section	Section
Int	Integer
Dec	Decimal
Log	Logical
Num	Numeric
Date	Format YYYY-MM-DD. This signifies the year, month, and day of the month.
DateTime	Format YYYY-MM-DDTHH:MM:SS-TZD. This signifies the date, followed by a <i>T</i> to indicate the beginning of the time element, as specified in ISO 8601. The time follows the 24 hour clock, in the format: hour, minute, and second. <i>TZD</i> indicates that the date/time uses a local time zone which is <i>hh</i> hours and <i>mm</i> minutes behind or ahead of UTC. For example, <i>2000-11-05T08:15:30-05:00</i> corresponds to November 5, 2000, 8:15:30 am, US Eastern Standard Time.
[a]	This number indicates the maximum length allowed for the input. This format is used for the Character (Char) and Logical (Log) data types.
[a-]	The maximum length allowed for the input. This format is used for the Integer (Int) data type.
[a(b)-]	Numeric of maximum length [a] digits with [b] decimal places. This format is used for the Decimal (Dec) data type.

XML Element Occurrence

The following symbols are used in the Element column:

Type	Description
*	The element is mandatory.
↺	The element can be re-used, or repeated, more than once. This only applies to section elements.
[0-999]	Number of times an element can be repeated

Options

You can enter an option code in the QAD GTTE QuickPath field and press Enter to navigate to a particular page. In this document, these option codes are displayed in the Description column, where applicable. For example, `CL`.

Chapter 2: CreateShipment Message

This section describes the CreateShipment API message.

Message Overview

Describes how the CreateShipment message is typically used.

Message Sample

Provides a sample of the XML message.

CreateShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The CreateShipment message is used to create a shipment in the QAD GTTE application. No subsequent processing, such as rating or labeling, is intended beyond the simple creation of the shipment in the database. The CreateShipment message can be viewed as a template for the other messages that are derived from it. For example, the ShipShipment message is equivalent to a CreateShipment message, but with the additional actions of rating and labeling that occur after the creation of the shipment.

The CreateShipmentBasic message is a variant of the CreateShipment message. The CreateShipment message initiates the Routing Assignment functionality, if applicable, but the CreateShipmentBasic message does not.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<CreateShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\CreateShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.OZ</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Create printLabels="true" printFileReturned="1" confirm=""
collatePDFMergeld="0" printITLDocs="true" collatePDFDocuments="0" collatePDFMerge="0" />
    <Shipment>
      [...]
    </Shipment>
    <Actions>
      [...]
    </Actions>
  </DataArea>
</CreateShipment>
```

CreateShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```
<Create printLabels="true" printFileReturned="1" confirm="" collatePDFMergeld="0" printITLDocs="true"
collatePDFDocuments="0" collatePDFMerge="0" />
```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time. Default value: 1
create	Not in use at this time. The default value is 1 to create. Default value: 1
printLabels	Determines if labels should be printed when there is a successful rating. Default value: 0
printITLDocs	Determines if international documents should be printed when there is a successful rating. Default value: 0
printFileReturned	Determines if printed documents are to be embedded in the returned XML response. Default value: 1
breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable. Default value: 0
emailErrors	Determines if rating errors are e-mailed to a user, if configured for this functionality. Default value: 0
diaryErrors	Determines if rating errors are sent to the QAD GTTE diary, if configured for this functionality. Default value: 0
createDespatchMaster	Determines if a Master shipment needs to be created for this Despatch message. This means that the XML message contains all of the item

	information for the Master shipment, but the packing information only relates to the Despatch. Default value: 0
collatePDFDocuments	Determines if multiple PDF documents or labels should be returned as a single PDF attachment. Default value: 0
collatePDFMerge	Determines if PDF document pages or label pages are merged. Default value: 0
collatePDFMergeId	PDF Merge ID. Default value: "LABEL"

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment * ↻	Section	Root element. Identifies the section that contains data relating to the shipment. <i>Note</i> This section can only be repeated if an Outbound and Inbound shipment are being processed together in one message.
Header *	Section	Contains the Shipment Header details.
Items	Section	This section contains product information that may be required for interfacing for the purposes of invoicing, packing lists, or carrier requirements.
Packages *	Section	This section identifies the packages being shipped. This is a mandatory section for SPS or LTL shipping.
Charges	Section	This section indicates charges that are already calculated from a system that is external to QAD

			GTTE, and are required to be appended to the shipment in QAD GTTE.
	Accessorials	Section	This section defines shipment characteristics that are relevant to specific indicators on the carrier label, or for determining additional rates for the shipment. Multiple or no accessorials can be applicable to the shipment.
	Documents	Section	This section specifies the documents that must be printed for this shipment. <i>Note</i> Documents will only be printed if the printITLDocs is set to YES in the Ship section.
	Texts	Section	This section indicates the texts for this shipment.
	Commodities	Section	This section indicates the commodities for this shipment.
	Vessels	Section	This section indicates the vessels for this shipment.
	Containers	Section	This section indicates the containers for this shipment.
	DynamicFields	Section	This section indicates the dynamic fields for this shipment.
	AlertNotifications	Section	This section indicates the alert notifications for this shipment.
	InternalTracking	Section	This section indicates the start of internal tracking.
	InboundRequest	Section	This section allows for the setting of some characteristics for an Inbound transaction that is to be created and linked to the Outbound shipment transaction.

	WorkflowGroups	Section	This section specifies the user groups for shipments.
	ImportHeader	Section	This section imports shipments.
	Languages	Section	This section specifies the languages for the shipment.

Section: Header

The following table lists the elements in the <Header> section:

Element	Data Type	Description
Header	Section	Contains the Shipment Header details.
TRAXClient *	Char [3]	Indicates the client in QAD GTTE that will be used for storing the shipments. CL XMSHDR0.CLIENT
TRAXShipmentTransactionType	Char [1]	Indicates the Shipment Transaction Type from QAD GTTE that will be used for storing the shipments. Z9 XMSHDR0.CLIENT : First character
Shipper	Char [10]	Shipper ID, or Consignor. NR XMSHDR0.SHCONO
TRAXDespatchNumber	Int [3]	Indicates QAD GTTE Despatch Number. XMSHDR0.SHDESP
TRAXUser	Char [10]	Indicates the user in QAD GTTE that will be used during processing. This will be the user ID stamped on the database records as the last user to update the record, and may also determine if particular system values should apply. This field is only used if the user ID exists in QAD GTTE. US XMSHDR0.SHUSER

	TRAXWorkflow	Char [10]	Indicates the workflow in QAD GTTE that will be assigned to the shipment. WF XMSHDR0.SHFLOW
	TRAXPrinter	Char [10]	Allows a printer to be specified, to which the relevant labels or documents will be directed. DP
	TRAXLocale	Char [6]	Allows a printer locale to be specified. This locale will determine the destination printer for the relevant labels or documents that are printed. LO
	ShipmentReturn	Section	Contains the Shipment Return details.
	Type	Char [20]	Specifies the return type for the shipment. For example, Print and Mail Label. Virtual field SHRETURNTYPE See the Return Types section to view the possible values.
	ShipmentType	Char [2]	Specifies the shipment type that is used in QAD GTTE to determine if the shipment is an import or an export. ZS XMSHDR0.SHTYPE
	ShipmentLanguage	Char [3]	Specifies the shipment language, which is used in QAD GTTE to determine the language that is printed on some documents. DL XMSHDR0.SHLAN
	BaseCurrency	Section	Identifies the start of the base currency section.

	Currency	Char [7]	Specifies the base currency. CU
	ExchangeRate	Dec	Not applicable.
	ShipmentCurrency	Section	Identifies the start of the shipment currency section.
	Currency	Char [7]	Specifies the shipment currency. CU XMSHDR0.SHCURR
	ExchangeRate	Dec [15(7)-]	Specifies the rate of exchange between shipment currency and base currency. XMSHDR0.SHRATE
	DeliveryTerms	Section	Identifies the start of the delivery terms section.
	TermCode	Char [3]	Specifies the delivery terms of the shipment. DE XMSHDR0.SHDSTR
	Description	Char [50]	Specifies the delivery terms description of the shipment. XMSHDR0.SHXNO3
	Distance	Section	Specifies the distance to the delivery points.
	UOM *	Char [3]	Specifies Distance UOM. XMSHDR0.SHDSTUM
	Value *	Dec [9(3)-]	Specifies Distance value.

			XMSHDR0.SHPDST XMSHDR0.SHCDST
	PaymentTerms	Section	Identifies the start of the payment terms section.
	TermCode	Char [8]	Specifies the payment terms code for the shipment. PT XMSHDR0.SHPTRM
	Description	Char [40]	Specifies the description of the payment terms for the shipment.
	Service *	Char [30]	Specifies the service to be used to ship the shipment. This determines the rating and labeling process. RT XMSHDR0.SHROUT
	ServiceInterim	Char [20]	Specifies an interim service. This may become the main service of the shipment later, and is a temporary service to get from A to B, before moving to C. Virtual field SHROUTINTR
	ServiceBillable	Char [30]	Specifies the service to be billable. RT Virtual field SHCHRGROUT
	ServiceBillableDiff	Log	Specifies the bill difference between two services. Virtual field SHCHRGDIFF

TransportMode	Char [4]	Specifies the transport mode. TR XMSHDR0.SHMODE
PackingLocation *	Char [5]	Specifies the packing location, which is used to group a set of shipper carrier accounts for an origin shipping point. LN Virtual field SHWHOUSE
PaymentType	Char	Specifies the freight payment type that applies to the shipment. This determines who pays the freight; the shipper, receiver, or a third party. XMSHDR0.SHTERM See the Payment Types section to view the possible values.
DutyPaymentType	Char	Specifies the payment method for the duty if it is allowed to specify this in accordance with the selected service. This determines whether the duty is paid by the shipper or receiver. Virtual field SHDUTYTERM See the Duty Payment Types section to view the possible values.
DutyPaymentAccount	Char [20]	Specifies the payment account for the duty, if it is allowed to specify in accordance with the selected service. Virtual field SHDUTYTPACC

	DutyPaymentAccountCountry	Char [4]	<p>Specifies the payment account country for the duty if it is allowed to specify this in accordance with the selected service.</p> <p>Virtual field SHDUTYTPCTRY</p>
	CODDetails	Section	<p>This section is for values that are only applicable if the PaymentType is one of the COD Payment Methods.</p>
	CODPaymentMethod	Char	<p>Specifies which COD Payment method is used to collect the payment for the goods, and possibly the freight for the return of that payment to the shipper.</p> <p>XMSHDR0.SHCODM</p> <p>See the COD Payment Methods section to view the possible values.</p>
	Currency	Char [7]	<p>For future use.</p> <p>Currently references the shipment currency.</p>
	CreditCard	Section	<p>For future use.</p>
	Type	Char [20]	<p>For future use.</p>
	Number	Char [16]	<p>For future use.</p>
	Expiry	Char [5]	<p>For future use.</p>
	InsuranceType	Char [50]	<p>For future use.</p>

	VerbalConfirm	Section	This section applies if a carrier allows verbal confirmation of delivery to the shipper. This is currently only offered by UPS in the US.
	Name	Char [30]	The name of the person who will make the verbal confirmation of delivery.
	PhoneDetails	Section	This section is for the phone number of the person to whom the carrier will make the confirmation of delivery.
	CountryCode	Char [5]	Country code of the phone number.
	AreaCode	Char [6]	Area code of the phone number.
	Phone	Char [30]	The phone number.
	Extension	Char [5]	The extension code, if applicable, of the phone number.
	SEDDetails	Section	This section is for values applicable to SED or AES processing when shipping from the US.
	Applicable	Char [1]	Indicates if this shipment is applicable for SED or not. If Y, then XMSHDR0.SHAES0 = 2
	ExportInformationCode	Char [3]	Export Information Code. XMSHDR0.SH24A
	RoutedTransaction	Log [1]	Routed or non-routed export transaction. A routed export transaction is where the FPPI, or Foreign Principal Party in Interest, authorizes a US forwarding, or other, agent to facilitate the export of the items from the US.

				XMS2DR0.S2ROUTED
		AESTransactionNumber	Char [15]	AES ITN XMS2DR0.S2AESITN
		RelatedPartyIndicator	Log [1]	Indicates if the shipper and Ship To are related. XMSHDR0.SHPREL
		BookingNumber	Char [18]	The booking number given for this shipment. Required for shipments made by sea. XMSHDR0.SHBKNO
		ForeignTradeZone	Char [5]	Foreign Trade Zone. XMSHDR0.SHFTZC
		PlaceOfLoading	Char [30]	Place of loading. PL XMSHDR0.SHPLOD
		PlaceOfDestination	Char [30]	Place of destination. PL XMSHDR0.SHPDES
		InTransitNumber	Char [18]	In-transit number. XMSHDR0.SHITNO
		InBondCode	Char [10]	Receiving in-bond carrier. NR

			XMSHDR0.SHINBC
	Texts	Section	This section is for texts that may be sent through and appended to the shipment for printing on documents.
	SpecialInstructionsText	Char [2000]	Text of special instructions. XMSTXT0
	InvoiceDeclarationText	Char [2000]	Text of declaration to print on the invoice. XMSTXT0
	InvoiceAdditionalComments	Char [2000]	Text of additional comments to print on the invoice. XMSTXT0
	Dates	Section	This section is for dates that are applicable to the shipment.
	DespatchDate *	DateTime	Specifies the date on which the shipment will be sent from the shipper. XMSHDR0.SHDDTE XMSHDR0.SHDTME
	DepartureDate	DateTime	Date of departure, or export. XMSHDR0.SHPDTE XMSHDR0.SHPTME
	EstimatedDateOfArrival	DateTime	Estimated date of arrival.

				XMSHDR0.SHEDTE XMSHDR0.SHETME
	References	Section		This section is for references that are applicable to the shipment.
	ShipmentReference	Char [10]		This can be used to specify the shipment number of the shipment in QAD GTTE. If this is blank, QAD GTTE generates a shipment reference for assigning to the shipment. XMSHDR0.SSHIP
	QuoteReference	Char		For future use.
	InvoiceNumber	Char [18]		This can be used to specify the invoice number of the shipment. XMSHDR0.SHINVN
	CertificateOfOriginNumber	Char [15]		This can be used to specify the cert of origin number of the shipment. XMSHDR0.SHCORN
	TrackingLocationID	Char		For future use.
	OtherReference	Char [30]		Specifies the Other Reference for the shipment header. XMSHDR0.SHOREF
	CustomsReference	Char [18]		Specifies the Customs Reference for the shipment header. XMSHDR0.SHCREF

		ForwardersReference	Char [30]	Specifies the Forwarders Reference for the shipment header. XMSHDR0.SHFREF
		BuyersReference	Char [35]	Specifies the Buyers Reference for the shipment header. XMSHDR0.SHBREF
		OrderReference	Char [30]	Specifies the Order Reference for the shipment header. XMSHDR0.SHORDN
		AdditionalReference	Char [20]	Specifies the Additional Reference for the shipment header. XMSHDR0.SHXNO1
		BillOfLadingNumber	Char [35]	Specifies the Bill of Lading Number for the shipment header. XMSHDR0.SHBLNO
		MasterAirWaybill	Char [18]	Specifies the Master Air Waybill Number for the shipment header. XMSHDR0.SHMAWB
		HouseAirWaybill	Char [18]	Specifies the House Air Waybill Number for the shipment header. XMSHDR0.SHHAWB

	Parties	Section	This section is for the set of parties or addresses that are applicable to the shipment. Click the element name to view its child elements.
	Party * ↻	Section	This section is for an individual party on the shipment.
	Description	Char [40]	This is the overall description of the shipment to display on the shipment header in QAD GTTE. XMGLNGO
	CostCentre	Char [30]	Shipment's cost center. XMSHDR0.SHPSL04
	RequiredDeliveryInfo	Section	This section is for the required delivery information on the shipment.
	EarliestDeliveryDateTime	DateTime	XMSHDR0.SHDWDF XMSHDR0.SHDWTF
	LatestDeliveryDateTime	DateTime	XMSHDR0.SHDWDT XMSHDR0.SHDWTT
	NumberOfDeliveries	Int [10]	Number of deliveries. XMSHDR0.SHNDEL
	TRAXUserDefined01 : TRAXUserDefined05	Char [35]	This field is used to pass in data where no field mapping is otherwise available, and where the database does not contain a base field for this specific purpose. <i>Note</i> This is a restricted field and is limited to QAD GTTE R&D use only.

		<p>XMSHDR0.SHPSL01</p> <p>XMSHDR0.SHPSL02</p> <p>XMSHDR0.SHPSL03</p> <p>XMSHDR0.SHPSL05</p>
<p>CustUserDefined01</p> <p>⋮</p> <p>CustUserDefined12</p>	<p>Char [40]</p>	<p>User-defined field.</p> <p>XMSHDR0.SHUSR1</p> <p>XMSHDR0.SHUSR2</p> <p>XMSHDR0.SHUSR3</p> <p>XMSHDR0.SHUSR4</p> <p>XMSHDR0.SHUSR5</p> <p>XMSHDR0.SHUSR6</p> <p>XMSHDR0.SHUSR7</p> <p>XMSHDR0.SHUSR8</p> <p>XMSHDR0.SHUSR9</p> <p>XMSHDR0.SHUS10</p> <p>XMSHDR0.SHUS11</p> <p>XMSHDR0.SHUS12</p>
<p>CustUserDefined13</p> <p>⋮</p> <p>CustUserDefined14</p>	<p>Int [9]</p>	<p>User-defined field.</p> <p>XMSHDR0.SHUS13</p> <p>XMSHDR0.SHUS14</p>

The following XML example shows the <Header> section:

```
<Header>
  <TRAXClient>TGL</TRAXClient>
  <TRAXUser>QCONFIG</TRAXUser>
  <TRAXWorkflow>13</TRAXWorkflow>
  <TRAXPrinter />
  <TRAXLocale>QPDFML</TRAXLocale>
  <ShipmentType>13</ShipmentType>
  <ShipmentLanguage>ENG</ShipmentLanguage>
  <BaseCurrency>
    <Currency>USD</Currency>
    <ExchangeRate>1.0</ExchangeRate>
  </BaseCurrency>
  <ShipmentCurrency>
    <Currency>USD</Currency>
    <ExchangeRate>1.0</ExchangeRate>
  </ShipmentCurrency>
  <DeliveryTerms>
    <TermCode>EXW</TermCode>
    <Description>Ex Works</Description>
  </DeliveryTerms>
  <PaymentTerms>
    <TermCode>NET30</TermCode>
    <Description>Net 30 Days</Description>
  </PaymentTerms>
  <Service>UPSUS001</Service>
  <TransportMode>Air</TransportMode>
  <PackingLocation>A9901</PackingLocation>
```

```

<PaymentType>PREPAID</PaymentType>
<EarliestDeliveryTime>00:00</EarliestDeliveryTime>
<InsuranceType />
<Texts>
    <SpecialInstructionsText>Make sure to call before
delivery.</SpecialInstructionsText>
    <InvoiceDeclarationText />
    <InvoiceAdditionalComments>See packing list for
details.</InvoiceAdditionalComments>
</Texts>
<Dates>
    <DespatchDate>2006-03-24T15:30:47-00:00</DespatchDate>
</Dates>
<References>
    <ShipmentReference />
    <QuoteReference>QN11223344</QuoteReference>
    <InvoiceNumber>INV00000020</InvoiceNumber>
    <CertificateOfOriginNumber>US0000001</CertificateOfOriginNumber>
    <TrackingLocationID />
    <OtherReference>395003123</OtherReference>
    <CustomsReference>498230001</CustomsReference>
    <ForwardersReference>A12233445566</ForwardersReference>
    <BuyersReference>B12233445566</BuyersReference>
    <AdditionalReference>C12233445566</AdditionalReference>
</References>
<Parties>
    [...]
</Parties>
<Description>013_ShipShipment_US_Domestic_with_Return</Description>
<TRAXUserDefined01 />

```

[...]

<TRAXUserDefined05 />

</Header>

Payment Types

The possible values associated with the PaymentType element are listed in the table below.

Payment Type	Description
PREPAID	Prepaid
PREPAIDADD	Prepaid (+ Add/Invoice Freight)
COLLECT	Collect
THIRDPARTY	Third Party
CREDITCARD	Credit Card
CODAMOUNT	COD Amount Only
CODCOLLECT	COD Collect Freight
CODSHIPCOST	COD Ship Cost
CONSIGNEEBILL	Consignee Bill
PREPAIDTOEXPORT	Prepaid to Port of Export
PREPAIDTOIMPORT	Prepaid to Port of Import
DELIVERYDUTYPAID	Delivery Duty Paid
FREEDOMICILE	Free Domicile - Shipper Pays Duty/Vat
CODELECTRONIC	Electronic COD

IMPORTEXPRESS	Import Express
TCPC	Transport Collect Payor Controlled
TCSC	Transport Collect Shipper Controlled

Duty Payment Types

The possible values associated with the DutyPaymentType element are listed in the table below.

Duty Payment Type	Description
CONSIGNEEDUTYVAT	Consignee Pays Duty + VAT
SHIPPERDUTYVAT	Shipper Pays Duty + VAT
THIRDPARTYDUTYVAT	Third Party Pays Duty + VAT

COD Payment Methods

The possible values associated with the CODPaymentMethod element are listed in the table below.

COD Payment Method	Description
Allfunds	All Funds Supported
CashierscheckMoneyorder	Cashiers Check/Money Order
CheckCashierscheckMoneyorder	Check/Cashiers Check/Money Order
Cash	Cash
<i>FedEx Ground</i>	
Allfunds	All Funds Supported


Guaranteedfunds	Guaranteed Funds
Currency	Currency
<i>FedEx Express</i>	
Allfunds	All Funds Supported
CashierscheckMoneyorder	Cashiers Check/Money Order
<i>Airborne Domestic</i>	
Allfunds	All Funds Supported
CashierscheckMoneyorder	Cashiers Check/Money Order
PersonalcheckBusinesscheck	Personal Check/Business Check
<i>BAX Global</i>	
CashierscheckCash	Cashiers Check / Cash
Certifiedcheck	Certified Check
Companycheck	Company Check
COD Payment Method	Description
<i>DHL (SAS Version)</i>	
AllFunds	All Funds Supported
CashiersCheckMoneyOrder	Cashiers Check/Money Order
PersonalCheckBusinessCheck	Personal Check/Business Check
<i>Purolator</i>	

Cheque	Cheque
Certifiedcheque	Certified Cheque
Postdatedcheque	Postdated Cheque
Moneyorder	Money Order
Bankorder	Bank Order
<i>UPS</i>	
All Funds	All Funds Supported
CashiersCheckMoneyOrder	Cashiers Check/Money Order
CheckCashiersCheckMoneyOrder	Check/Cashiers Check/Money Order

Section: Parties

The following table lists the elements in the <Parties> section:

Element	Data Type	Description
Parties	Section	This section is for the set of parties or addresses that are applicable to the shipment.
Party * ↻	Section	This section is for an individual party on the shipment.
PartyType *	Char	<p>This identifies the particular party type for which this party section is applicable. A set of possible party types is available for determining the Shipper, Ship To, and so on. Click the element name to view Party Types.</p> <p>The value passed through this field can also be passed in with a suffix of “:NR” or “:NR-ONLY”, to indicate whether a partner (NR) record should be created/updated in the database. The use of these values is as follows:</p> <ul style="list-style-type: none"> • :NR- This results in the Partner record update. The shipment address override on the shipment transaction is also created for the address. • :NR-ONLY: This results in partner record creation/update, but there will be no shipment address override created against the shipment transaction for the address. <p>Examples:</p>

				<ul style="list-style-type: none"> • CONSIGNEE:NR - The partner ABC is updated/created in NR, and the shipment address record is created also. • CONSIGNEE:NR-ONLY: The partner ABC is updated/created in NR, but no shipment address record will be created.
		PartyId	Section	This section is for unique identifiers that are specific to the particular party.
		ID	Char [20]	<p>This specifies a unique identifier for a party in QAD GTTE that will then be used to update the relevant partner field on the QAD GTTE shipment header. This can be used to retrieve the relevant address within QAD GTTE for that partner. NR</p> <p>XMSHDR0.SHCUST, or XMSHDR0.SHCNSE, or XMSHDR0.SHSHPC, and so on.</p>
		VATNr	Char[28]	Specifies the VAT number or tax ID number of the party.
		EIN	Char [18]	For future use.
		SSN	Char [11]	For future use.
		DUNS	Char [9]	For future use.
		Name	Char [40]	XMSNAM0.SNNAME
		Contact	Char [40]	XMSNAM0.SNCNTC
		PartyAddress	Section	This section is for the party address details.
		AddressLine  [max 5]	Char [40]	Specifies an address line of the address. This does not need to include the city, state, postal code, or country. There can

				be multiple address lines specified. XMSNAM0.SNADR1 to XMSNAM0.SNADR5
		City	Char [30]	Specifies the city of the address. XMSNAM0.SNCITY
		StateOrProvince	Char [3]	Specifies the state of the address. XMSNAM0.SNSCDE
		County	Char [20]	Specifies the county of the address. For Future use. XMSNAM0.SNCNTY
		Country	Char [4]	Specifies the country of the address. CT XMSNAM0.SNCCDE
		PostalCode	Char [10]	Specifies the postal code of the address. XMSNAM0.SNPBAS
		PhoneDetails	Section	This section is for the phone number of the party.
		CountryCode	Char [4]	Country code of the phone number. XMSNAM0.SNPHNO
		AreaCode	Char [6]	Area code of the phone number.

				XMSNAM0.SNPHNO
			Phone	Char [30] The phone number. XMSNAM0.SNPHNO
			Extension	Char [5] The extension code, if applicable, of the phone number. XMSNAM0.SNPHNO
		FaxDetails		Section This section is for the fax number of the party.
			CountryCode	Char [4] Country code of the fax number. XMSNAM0.SNFAX
			AreaCode	Char [6] Area code of the fax number. XMSNAM0.SNFAX
			Phone	Char [10] The actual fax number. XMSNAM0.SNFAX
			Extension	Char [5] Not applicable. XMSNAM0.SNFAX
		EmailAddress		Char [50] E-mail address of the party. XMSNAM0.SNEML
		CarrierAccount		Char [20] This is the carrier account to which the freight may be charged. It is mandatory to

			<p>supply this account for the THIRDPARTY party record if the PaymentType is a third Party billing. It is mandatory to supply this account for the CONSIGNEE party record if the PaymentType is Collect.</p> <p>XMS2DR0.S2TPACC</p>
	IATACode	Char [8]	<p>Allows the Destination IATA code to be passed in, which may be used to override a value on the shipment determined from routing data.</p>
	<p>TRAXUserDefined01 : TRAXUserDefined05</p>	Char [35]	<p>See the Header section of the CreateShipment Message.</p> <p>XMNREF0.NRPSL01, XMSNAM0.SNPLS01 XMNREF0.NRPSL02, XMSNAM0.SNPLS02 XMNREF0.NRPSL03, XMSNAM0.SNPLS03 XMNREF0.NRPSL04, XMSNAM0.SNPLS04 XMNREF0.NRPSL05, XMSNAM0.SNPLS05</p>
	<p>CustUserDefined01 : CustUserDefined09</p>	Char [40]	<p>User-defined field.</p> <p>XMNREF0.NRUSR1 XMNREF0.NRUSR2 XMNREF0.NRUSR3 XMNREF0.NRUSR4 XMNREF0.NRUSR5 XMNREF0.NRUSR6 XMNREF0.NRUSR7 XMNREF0.NRUSR8 XMNREF0.NRUSR9</p>

Party Types

The possible values associated with the PartyType element are listed in the table below.

Type	Description
BILLTO	<ul style="list-style-type: none"> ● Role: Customer. Party to whom the goods are being sold, or customer. ● Partner Type: 04 ● Database Field: XMSHDR0.SHCUST
SHIPPER	<ul style="list-style-type: none"> ● Role: Consignor. Party who is shipping the goods, or consignor. ● Partner Type: 14 ● Database Field: XMSHDR0.SHCONO
SHIPFROM	<ul style="list-style-type: none"> ● Role: Delivered From. Party from which goods are physically shipped. ● Partner Type: 17 ● Database Field: XMSHDR0.SHDLVR
IMPORTER	<ul style="list-style-type: none"> ● Role: Customer. Party to whom the goods are being sold, or customer. ● Partner Type: 04 ● Database Field: XMSHDR0.SHCUST
CARRIER	<ul style="list-style-type: none"> ● Role: Carrier. Party who is transporting the goods. ● Partner Type: 02 ● Database Field: XMSHDR0.SHSHPC
CONSIGNEE	<ul style="list-style-type: none"> ● Role: Consignee. Party to whom the goods are being delivered, or the delivered to. ● Partner Type: 01 ● Database Field: XMSHDR0.SHCNSE
THIRDPARTY	<ul style="list-style-type: none"> ● Role: Third Party. Party who is paying for the freight, if it is not the shipper or receiver. ● Partner Type: TP ● Database Field: There is no database partner field for this type.
CODREMITTANCE	<ul style="list-style-type: none"> ● Role: COD Remittance. Party to whom the COD amount should be returned, if it is not the Shipper. ● Partner Type: CD ● Database Field: There is no database partner field for this type.

<p>HOLDPICKUP</p>	<ul style="list-style-type: none"> ● Role: Party where the goods should be held for pickup, if required. ● Partner Type: 45 ● Database Field: Virtual field: SHHOLDPARTYID
<p>PRINCIPAL</p>	<ul style="list-style-type: none"> ● Role: Party who is exporting the good, or the Principal Parties In Interest. ● Partner Type: 06 ● Database Field: XMSHDR0.SHPRNC
<p>NOTIFY</p>	<ul style="list-style-type: none"> ● Role: Party to be notified. ● Partner Type: 09 ● Database Field: XMSHDR0.SHNTFY
<p>INTERMEDIATE_CONSIGNEE</p>	<ul style="list-style-type: none"> ● Role: Party that acts as an agent for a principal party for the purpose of effecting the delivery of items to the ultimate consignee. The intermediate consignee may be a bank, forwarding agent, or other person who acts as an agent for a principal party in interest. ● Partner Type: 09 ● Database Field: XMSHDR0.SHNTFY
<p>INSPECTED_BY</p>	<ul style="list-style-type: none"> ● Role: Party who is inspecting exported goods. ● Partner Type: 20 ● Database Field: XMSHDR0.SHINSP
<p>FORWARDING_AGENT</p>	<ul style="list-style-type: none"> ● Role: Party in the U.S. who is authorized by a principal party in interest to perform the services required to facilitate the export of items from the U.S.. This may include air couriers or carriers. In routed export transactions, the forwarder and exporter may be the same for compliance purposes under the EAR. ● Partner Type: 32 ● Database Field: XMSHDR0.SHAGFW
<p>ALSO_NOTIFY</p>	<ul style="list-style-type: none"> ● Role: Party to be notified. ● Partner Type: 36 ● Database Field: XMSHDR0.SHANTF
<p>RETURNTO</p>	<ul style="list-style-type: none"> ● Role: Party that will be printed as the ReturnTo address on the shipping label - only applicable for some carriers. ● Partner Type: RT ● Database Field: There is no database partner field for this type.
<p>DECLARANT</p>	<ul style="list-style-type: none"> ● Role: The declarant/representative. ● Partner Type: 07

	<ul style="list-style-type: none"> ● Database Field: XMSHDR0.SHDCCLR
ULTIMATE_CONSIGNEE	<ul style="list-style-type: none"> ● Role: Ultimate consignee. ● Partner Type: UC ● Database Field: XMSHDR0.SHUCNSE
RECEIVING_INBOUND_CARRIER	<ul style="list-style-type: none"> ● Role: Receiving inbound carrier. ● Partner Type: 02 ● Database Field: XMSHDR0.SHINBC
SHIPMENT_BANK	<ul style="list-style-type: none"> ● Role: The bank associated with the shipment; typically, this represents the customer's bank. ● Partner Type: 03 ● Database Field: XMSHDR0.SHSBNK
HAULIER	<ul style="list-style-type: none"> ● Role: The haulier associated with the shipment ● Partner Type: 05 ● Database Field: XMSHDR0.SHHAUL
INSURANCE_AGENT	<ul style="list-style-type: none"> ● Role: The name of the Insurance Agent that the goods are insured with. ● Partner Type: 08 ● Database Field: XMSHDR0.SHINAG
CUSTOMS	<ul style="list-style-type: none"> ● Role: The customs office. ● Partner Type: 10 ● Database Field: XMSHDR0.SHCSTM
SALES_AGENT_1	<ul style="list-style-type: none"> ● Role: Sales agent. ● Partner Type: 11 ● Database Field: XMSHDR0.SHSREP
SALES_AGENT_2	<ul style="list-style-type: none"> ● Role: Sales agent. ● Partner Type: 11 ● Database Field: XMSHDR0.SHSREP2
SALES_AGENT_3	<ul style="list-style-type: none"> ● Role: Sales agent. ● Partner Type: 11 ● Database Field: XMSHDR0.SHSREP3
SALES_AGENT_4	<ul style="list-style-type: none"> ● Role: Sales agent. ● Partner Type: 11 ● Database Field: XMSHDR0.SHSREP4
RESPONSIBLE	<ul style="list-style-type: none"> ● Role: Person Responsible for Financial Settlement. Only applicable for EU companies that are shipping goods

	<ul style="list-style-type: none"> ● outside of the EU. ● Partner Type: 12 ● Database Field: XMSHDR0.SHRESP
FINANCIAL	<ul style="list-style-type: none"> ● Role: Financial. ● Partner Type: 13 ● Database Field: XMSHDR0.SHFNCL
CORPORATE_CUSTOMER	<ul style="list-style-type: none"> ● Role: Corporate Customer. ● Partner Type: 15 ● Database Field: XMSHDR0.SHCCUS
SHIPPING_OFFICER	<ul style="list-style-type: none"> ● Role: Shipping officer. ● Partner Type: 16 ● Database Field: XMSHDR0.SHOFCR
DELIVER_TO	<ul style="list-style-type: none"> ● Role: Deliver to. ● Partner Type: 18 ● Database Field: XMSHDR0.SHDLVRT
CONSIGNOR_BANK	<ul style="list-style-type: none"> ● Role: Consignor's bank. ● Partner Type: 19 ● Database Field: XMSHDR0.SHCBNK
INTERNATIONAL_CARRIER	<ul style="list-style-type: none"> ● Role: The International Carrier associated with a shipment. ● Partner Type: 22 ● Database Field: XMSHDR0.SHSHPCI
COMPANY_NUMBER	<ul style="list-style-type: none"> ● Role: Company number. ● Partner Type: 23 ● Database Field: XMSHDR0.SHCOMP
CREDIT_INSURANCE_AGENT	<ul style="list-style-type: none"> ● Role: The credit insurance agent associated with a shipment. ● Partner Type: 27 ● Database Field: XMSHDR0.SHCINS
INSURED_PARTY	<ul style="list-style-type: none"> ● Role: Insured party. XMSHDR0.SHINPI ● Partner Type: 38 ● Database Field: XMSHDR0.SHINPI
CONSIGNOR_COPY	<ul style="list-style-type: none"> ● Role: Copied from consignor. ● Partner Type: 39 ● Database Field: XMSHDR0.SHCONOCOPY
CO_LOADED_WITH	<ul style="list-style-type: none"> ● Role: Co-loaded with.

	<ul style="list-style-type: none"> • Partner Type: 40 • Database Field: XMSHDR0.SHCLDW
SETTLING_AGENT	<ul style="list-style-type: none"> • Role: Settling agent. • Partner Type: 44 • Database Field: XMSHDR0.SHAGCT

The following XML example shows the <Parties> section:

```


<Parties>
  <Party>
    <PartyType>Shipper</PartyType>
    <PartyId>
      <Id />
      <VATNr />
      <EIN />
      <SSN />
      <DUNS />
    </PartyId>
    <Name>GTTE</Name>
    <Contact>John Smith</Contact>
    <PartyAddress>
      <AddressLine>651 W. Washington Blvd</AddressLine>
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <City>CHICAGO</City>
      <StateOrProvince>IL</StateOrProvince>
      <County />
    </PartyAddress>
  </Party>
</Parties>

```

```
        <Country>US</Country>
        <PostalCode>60610</PostalCode>
    </PartyAddress>
    <PhoneDetails>
        <CountryCode>1</CountryCode>
        <AreaCode>312</AreaCode>
        <Phone>3347777</Phone>
        <Extension />
    </PhoneDetails>
    <FaxDetails>
        <CountryCode>1</CountryCode>
        <AreaCode>312</AreaCode>
        <Phone>3348888</Phone>
        <Extension />
    </FaxDetails>
    <EmailAddress>john@email.com</EmailAddress>
    <CarrierAccount />
    <IATACode />
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
    <CustUserDefined01 />
    [...]
    <CustUserDefined05 />
</Party>
</Parties>
```

Section: Items

The following table lists the elements in the <Items> section:

Element		Data Type	Descriptions
Items		Section	This section is for product information that may be required to be interfaced for the purposes of invoicing, packing lists, or carrier requirements for the breakdown of package contents.
	Item 	Section	This section is for a particular product line on the shipment.
	ItemLineNumber	Int [7]	This uniquely identifies the item line. XMSITM0.SISEQN
	Product	Section	This section is for the identifier of the product.
	ProductCode	Char [25]	This specifies the product code of the item line. PR XMSITM0.SIPROD
	FDAProductCode	Char [25]	Indicates the user in QAD GTTE that will be used during processing. This will be the user ID stamped on the database records as the last user to update the record, and may also determine if particular system values should apply. This field is only used if the user ID exists in QAD GTTE. US XMS4SI0.S4FPROD

			CustomerProduct	Char [30]	This specifies the customer product code of the item line. XMSITM0.SICPRD
			Commodity	Section	This section specifies the commodity code of the item line.
			Type	Char	Signifies the commodity table used.
			CommodityCode	Char	This is the code of the commodity, in accordance with the commodity table type/group specified. For example, HS, HTS, or Schedule B codes.
			ImportCommodity	Section	This section specifies the import commodity code of the item line.
			Type	Char	QAD GTTE Import Classification group, as allowed in accordance with a set of codes.
			CommodityCode	Char	This holds the relevant Import commodity code in accordance with the specified type. XMSITM0.SIHARM
			Description	Char [2000]	Description of the product indicated in the item line. XMSITM0.SIXDSC
			CommodityLineNumber	Int [7]	Commodity line number.
			ProductQuantity	Section	Section for quantity of the product being shipped for this item line.
			UOM	Char [3]	The unit of measure for the quantity of the product being shipped, for example, EA. UO

					XMSITM0.SISUOM
			Quantity	Dec [14(6)-]	The quantity of the product being shipped for this item line. XMSITM0.SICQTY
			ItemOrderType	Char [5]	Item Order type. From another system. XMSITM0.SIXTYP
			OrderQuantity	Section	Section for quantity of the product being ordered for this item line.
			Quantity	Dec [14(6)-]	The quantity of the product being ordered for this item line. XMSITM0.SIOQTY
			ItemOrderNumber	Int [9-]	Item Order Number. From another system. XMSITM0.SIXBNO
			ItemOrderLine	Int [9-]	Item Order Line number. From another system. XMSITM0.SIXBLN
			ProductWeight	Section	The weight of the product being shipped for this item line
			UOM	Char [3]	The unit of measure of the weight of the product being shipped. UO XMSITM0.SIWTUM
			Weight	Dec	This can be mapped as either:




				[16(6)-]	<ul style="list-style-type: none"> Total weight of the item line being shipped, or Weight of a single item on the item line <p>XMSITM0.SIGWGT (and XMSITM0.SIGWTT)</p>
			NetWeight	Dec [16(6)-]	<p>This can be mapped as either:</p> <ul style="list-style-type: none"> Total net weight of the item line being shipped, or Net Weight of a single item on the item line <p>XMSITM0.SINWGT (and XMSITM0.SINWTT)</p>
			ProductDimensions	Section	Section for the dimensions of a product line.
			UOM	Char [3]	<p>The unit of measure for the dimensions of the product being shipped. UO</p> <p>XMSITM0.SIDUUM</p>
			Length	Dec [8(4)-]	<p>Length of the product being shipped.</p> <p>XMSITM0.SIDM11</p>
			Width	Dec [8(4)-]	<p>Width of the product being shipped.</p> <p>XMSITM0.SIDM12</p>
			Height	Dec [8(4)-]	<p>Height of the product being shipped.</p>

					XMSITM0.SIDM13
			ProductVolume	Section	Section for the volume of the product being shipped for this item line.
			UOM	Char [3]	The unit of measure for the volume of the product being shipped. UO XMSITM0.SICUUM
			Volume	Dec [16(6)-]	This can be mapped as either: <ul style="list-style-type: none"> • Total volume of the item line being shipped, or • Volume of a single item on the item line XMSITM0.SICUBE (and XMSITM0.SICUBT)
			ProductLoadSpace	Section	Load Space
			UOM	Char [3]	Load Space UOM XMSITM0.SILSUOM
			Quantity	Dec [13(6)-]	Load Space quantity. XMSITM0.SILSP
			UnitPrice	Section	Section for the details of the price of a product line.
			Amount	Section	Section for the value part of the price of a product line.

				Currency	Char [7]	Currency of the price of a product line. XMSITM0.SICURR
				Value	Dec [16(6)-]	Value of the price of a product line. <i>Note</i> This price will be in accordance with the specified quantity. XMSITM0.SISPRC
				PerQuantity	Section	Section for the quantity used to determine the overall price of a product line.
				Quantity	Dec	Quantity to be used to determine the overall price of the product line.
				UOM	Char	Unit of measure of the price quantity. XMSITM0.SIPUOM
				ExtendedPrice	Section	For future use.
				Amount		For future use.
				Currency	Char	For future use.
				Value	Dec [15(2)-]	For future use.
				Tax	Section	For future use.
				LineNumber	Int	For future use.
				TaxCode	Char	For future use.
				TaxJurisdiction		For future use.

				TaxAmount	Char	For future use.
				Currency	Char	For future use.
				Value	Dec [15(2)-]	For future use.
				TotalAmount	Section	Section for the overall price of the product line. This can be used in reference to the PerQuantity and Quantity to determine the overall price for the product line.
				Amount	Section	Section for the value part of the extended price.
				Currency	Char [7]	Currency of the extended price of a product line. XMSITM0.SICURR
				Value	Dec [15(2)-]	Value of the extended price of a product line. XMSITM0.SICUMT
				License	Section	This section contains license information.
				Exception	Char [2]	A code that indicates a License is not required for a particular reason, such as Low Value or Low Risk XMLICN0.XLTYPE
				LicenseNo	Char [26]	License number XMLICN0.XLLICN
				EffectiveDate	Date	Indicates a starting date from which the Licence is valid.

						XMLICN0.XLSDTE
				ExpiryDate	Date	License expiry date XMLICN0.XLEDTE
				Type	Char [2]	License type XMLICN0.XLTYPE
				LicenseCode	Char [3]	License code XMLICN0.XLLICC
				LicenseIssuingCtry	Char [4]	License issuing country XMLICN0.XLCCDE
				LicenseValue	Dec [15(2)-]	License value XMLICP0.XALVAL
				LicenseNameLoc	Char [40]	XMLICN0.XLNAME
				LicenseAddr1	Char [40]	Address line 1 XMLICN0.XLADR1
				LicenseAddr2	Char [40]	Address line 2 XMLICN0.XLADR2
				LicenseAddr3	Char [40]	Address line 3 XMLICN0.XLADR3

			ECCNs	Section	The start of the ECCN section.
			ECCN 	Section	Export Control Classification Numbers (ECCN) section.
			ExportGroup *	Char [5]	XMSIEC0.SECGROUP
			ECCN	Char [20]	XMSIEC0.SECECCN
			Exception	Char [5]	XMSIEC0.SECEXCP
			MinimumValue	Dec [15(2)-]	XMSIEC0.SECMINVAL
			MaximumValue	Dec [15(2)-]	XMSIEC0.SECMAXVAL
			Currency	Char [7]	XMSIEC0.SECCURR
			Description	Char [40]	XMSIEC0.SECDESC
			CountryOfOrigin	Char [4]	Country of origin of the product line. 
			FreightClass	Char [4]	Freight class of the product line.  XMSITM0.SIFCLS
			NMFC_Code	Char [22]	National Motor Freight Class, or NMFC code. XMSITM0.SINMFC
			References	Section	Section for references applicable at the product line level.
			OrderReference	Char [30]	Order reference applicable at the product line. XMSITM0.SIORDN

				BuyersReference	Char [35]	Buyers reference applicable at the product line. XMSITM0.SIBREF
				InvoiceNumber	Char [35]	Invoice number on the item line. XMSITM0.SIINVN
				InvoiceDate	DateTime	This is used to specify the date of the invoice. XMSITM0.SIIDTE
				LotAllocations	Section	Lot Allocations per item line.
				LotAllocation * ↻	Section	Lot Allocation records per item line.
				LotLineNumber *	Int [7]	XMSLOT0.SLSEQL
				LotNumber	Char [30]	XMSLOT0.SLLOTN
				Location	Char [10]	XMSLOT0.SLLOCN
				BatchNumber	Char [10]	XMSLOT0.SLBTCH
				ManufactureDate	Date	XMSLOT0.SLMDTE
				EndDate	Date	XMSLOT0.SLEDTE
				Warehouse	Char [3]	XMSLOT0.SLWHSE
				Comments	Char [30]	XMSLOT0.SLDESC
				LotQuantity	Dec [14(6)]	XMSLOT0.SLCQTY

				Container	Char [14]	XMSLOT0.SLCONT
				CountryOfOrigin	Char [5]	Country of origin of the lot allocation line. CT XMSLOT0.SLCORG
				TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSLOT0.SLPSL01 XMSLOT0.SLPSL02 XMSLOT0.SLPSL03 XMSLOT0.SLPSL04 XMSLOT0.SLPSL05
				ItemOrigin	Char [1]	Domestic or Foreign attribute. XMSITM0.SIDFFG
				HazMatInfo	Section	Hazardous Materials
				Dangerous *	Log	XMSITM0.SIDGI
				UNNumber *	Char [4]	UN Number XMSITM0.SICLAS
				InnerQuantity	Section	Inner quantity section.
				UOM	Char [16]	Inner Packaging Type. XMSITM0.SIPCK1
				Quantity	Dec	XMSITM0.SICASE

			OuterQuantity	Section	Outer Quantity Section.
			UOM	Char [16]	Outer Packaging Type. XMSITM0.SIPCK2
			Quantity	Dec	XMSITM0.SIPAL
			SerialNumbers	Section	Serial Numbers Section.
			SerialNumber 	Section	This section indicates the SerialNumber and LotLineNumber.
			LotLineNumber	Int [7]	XMSSRL0.SSRSEQL
			SerialNo	Char [20]	XMSSRL0.SSRSLN
			ImportInfo	Section	Import Information section.
			Fees	Section	This section indicates the various shipment fees.
			HarbourMaintenanceFee	Dec [15(2)-]	This is the Harbor Maintenance Fee and is applicable to ocean shipments only. XMS3SH0.S3HMF
			MerchandiseProcessing Fee	Dec [15(2)-]	Merchandise Processing Fee applied for all imports, except those exempt under preferential and free trade programs. XMS3SH0.S3MPF
			AntiDumpingAssessmentFee	Dec [15(2)-]	Anti-dumping assessment. These are the fees that are due for importing goods subject to dumping cases. XMS4SI0.S4ADA

					CounterVeilingDutyFee	Dec [15(2)-]	<p>These are fees that are due for importing goods that are subsidized by the exporting country.</p> <p>XMS4SI0.S4CVD</p>
					OtherFee	Dec [15(2)-]	<p>Customs occasionally assess fees for overtime inspections or container breakdown charges. Typically, they are handled on a COD basis. The broker presents a check to get the goods for these fees.</p> <p>XMS4SI0.S4OTHVAL</p>
					TotalFee	Dec [15(2)-]	XMS4SI0.S4TOTAL
					Duty	Section	This section indicates the duty payment details.
					DutyRate	Dec [15(2)-]	<p>This applies if there are changes to be made and reported to Customs later. For example, if you import ten different types of the products all classified under the same HTS, but five of those products are subject to transfer price adjustments and changes with Customs, then these five items need to be reported individually. This is specific to Baxter, but does have applicability for other importers if their business specifies it.</p> <p>XMS4SI0.S4DUTYRATE</p>
					DutyPaid	Dec [15(2)-]	XMS4SI0.S4DTYVAL
					DutiableValue	Dec [15(2)-]	<p>This is the value of the goods subject to duty, and is segregated as not all goods are dutiable.</p> <p>XMS4SI0.S4DUTIABLE</p>

				SpecialProgramsIndicators	Section	SPI, or Special Programs Indicator, is used for tracking the preferential trade program that is in place for the transaction.
				Indicator1	Char [30]	XMS4SI0.S4SPI1
				Indicator2	Char [30]	XMS4SI0.S4SPI2
				Qualifiers	Section	Qualifiers are used within SQL statements to reference data structures, such as databases, tables, or columns. They are useful if, for example, two databases exist with the same tables in each, and you would like to distinguish between them.
				Qualifier 	Section	Contains the details of a qualifier.
				Type	Char	Qualifier type
				Value	Char [20]	Qualifier value
				TotalEnteredValue	Dec [15(2)-]	XMS4SI0.S4ENTVAL
				AdditionalValue	Dec [15(2)-]	XMS4SI0.S4ADDVAL
				NonDutiableCalcValue	Dec [15(2)-]	Non-dutiable calculation. When charges associated with a shipment are not dutiable and may be subtracted from the dutiable value. XMS4SI0.S4NDCVAL
				RulingNumber	Char [15]	XMS4SI0.S4RUL
				FDAComments	Char [200]	The FDA comments field indicates whether the agency has released the shipment. For example, 'FDA review', or 'FDA Detention'.

					XMS4SI0.S4FDACMNT
			SerialControlType	Char	Defines how the serial numbers update behaves.
			BondStatus	Char [16]	Item BondStatus attribute. XMSITM0.SIFLG4
			TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSITM0.SIPSL01 XMSITM0.SIPSL02 XMSITM0.SIPSL03 XMSITM0.SIPSL04 XMSITM0.SIPSL05
			CustUserDefined01 : CustUserDefined09	Char [40]	User-defined field XMSITM0.SIUSR1 XMSITM0.SIUSR2 XMSITM0.SIUSR3 XMSITM0.SIUSR4 XMSITM0.SIUSR5 XMSITM0.SIUSR6 XMSITM0.SIUSR7 XMSITM0.SIUSR8 XMSITM0.SIUSR9

The following XML example shows the <Items> section:

```

<Items>
  <Item>
    <ItemLineNumber>0000010</ItemLineNumber>
    <Product>
      <ProductCode>PROD0001</ProductCode>
      <CustomerProduct>CUSTPROD0001</CustomerProduct>
      <Description>Shoes</Description>
    </Product>
    <ProductQuantity>
      <UOM>EA</UOM>
      <Quantity>20</Quantity>
    </ProductQuantity>
    <ProductWeight>
      <UOM>LB</UOM>
      <Weight>1</Weight>
    </ProductWeight>
    <ProductDimensions>
      <UOM>IN</UOM>
      <Length>1.5</Length>
      <Width>2</Width>
      <Height>2</Height>
    </ProductDimensions>
    <ProductVolume>
      <UOM>IN3</UOM>
      <Volume>4</Volume>
    </ProductVolume>
    <UnitPrice>
      <Amount>
        <Currency>USD</Currency>
        <Value>10</Value>
      </Amount>
    </UnitPrice>
  </Item>
</Items>

```

```
        </Amount>
        <PerQuantity>
            <Quantity>1.0</Quantity>
            <UOM>EA</UOM>
        </PerQuantity>
    </UnitPrice>
    <ExtendedPrice>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </ExtendedPrice>
    <TotalAmount>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </TotalAmount>
    <CountryOfOrigin>US</CountryOfOrigin>
    <FreightClass />
    <References>
        <OrderReference>Order001</OrderReference>
        <BuyersReference>BuyerRef001</BuyersReference>
    </References>
</Item>
</Items>
```

Section: Packages

The following table lists the elements in the <Packages> section:

Element		Data Type	Description
Packages *		Section	This section identifies the packages being shipped. This is a mandatory section for SPS or LTL shipping.
	PackHeader * ↻	Section	Section for the start of an individual package.
	PackNumber *	Char [35]	Unique identifier of the package section. XMSXPK0.SXADDREF
	Description	Char [2000]	Description of the goods in the package. If the Item section is not used, then the overall description of the goods in the package is taken from here. XMGLNGO
	PackType	Char [16]	Package type to identify the type of package being shipped, for example, Box or Case. This package type is used to reference pre-configured package types in QAD GTTE, where the dimensions of those package types may already be configured. PY XMSXPK0.SXTYPE
	NoOfPacks *	Section	Section for the number of packages represented by this PackHeader. There can be multiple packages with the same characteristics in one shipment.
	Quantity *	Int	The number of packages.

				XMSXPK0.SXNO
			PackWeight *	Section Section for the weight of the packages in this PackHeader.
			UOM	Char [3] The unit of measure of the weight of the packages being shipped. If this is not entered, then the UOM is the system-wide unit of measure. UO XMSXPK0.SXWTUM
			Weight *	Dec [16(6)-] The weight of the packages being shipped. XMSXPK0.SXGWTT
			TareWeight	Dec [16(6)-] XMSXPK0.SXTWGT
			NetWeight	Dec [16(6)-] XMSXPK0.SXNWTT
			NetNetWeight	Dec [16(6)-] XMSXPK0.SXNNTT
			PackDimensions	Section Section for the dimensions of the packages in the PackHeader.
			UOM	Char The unit of measure of the dimensions of the packages being shipped. UO XMSXPK0.SXDUUM
			Length	Dec The length of the package being shipped. XMSXPK0.SXCM31
			Width	Dec The width of the package being shipped.

				XMSXPK0.SXCM32
		Height	Dec	Height of the package being shipped. XMSXPK0.SXCM33
		PackVolume	Section	Section for the volume of a package. <i>Note</i> SPS does not use the volume field. It uses the dimensions to calculate the volume in accordance with the calculation specific to the carrier.
		UOM	Char	The unit of measure of the volume of the packages being shipped in accordance with this PackHeader. UO XMSXPK0.SXCUUM
		Volume	Dec [16(6)-]	Total volume of the packages being shipped. XMSXPK0.SXCUBT
		PackLoadSpace	Section	Load Space
		UOM	Char [3]	Load Space UOM
		Quantity	Dec [13(6)-]	Load Space quantity
		CODValue	Section	Section for the COD amount. This is only applicable if the PaymentType on the shipment header is one of the COD types.
		Currency	Char [7]	Currency of the COD value of the package.

				Taken from the shipment currency
		Value	Dec [15(2)-]	Value of the COD amount to be collected for the package. Virtual field at Pack level: PKCODAMOUNT
		InsuredValue	Section	Section for the declared insured amount for a package. <i>Note</i> This is only applicable to carriers who offer an insurance on packages. Specifying an insurance amount will incur an additional charge on rating the shipment.
		Currency	Char	Currency of the Insured value of the package. Taken from the shipment currency.
		Value	Dec [15(2)-]	Value of the insured amount for the package. Virtual field at Pack level: PKDECLVAL Total is updated onto XMSHDRO.SHINSV
		MarkAndNumbers	Char [30]	Any marks and numbers applicable for the package. XMSXPK0.SXMRK1
		TrackingNumber	Char [35]	If passing in the tracking number from an external application, whereby QAD GTTE is not generating the number. XMSXPK0.SXTRKNO

		TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment Message. XMSXPK0.SXPSL01 XMSXPK0.SXPSL02 XMSXPK0.SXPSL03 XMSXPK0.SXPSL04 XMSXPK0.SXPSL05
		PackDetails ↻	Section	Section for the breakdown of the package's products. <i>Note</i> This section is only applicable if the Item sections are filled, and the Items are to be associated with the relevant PackHeaders. This can be used for accurately reflecting the composition of the package product details.
		PackNumber *	Char [35]	Unique identifier of the package. This must match a PackNumber of one of the PackHeader elements above.
		ItemLineNumber *	Int [7]	Unique identifier of item. This must match the ItemLineNumber of one of the Item records above. XMSYPK0.SYSEQN
		ProductQuantity	Section	Section to indicate the quantity of the product line that is packed within this package.
		UOM	Char [3]	The UOM of the quantity of the product packed in this package.
		Quantity	Dec	The quantity of the product packed in this package. XMSYPK0.SYCQTY

		SerialNo	Char [20]	XMSYPK0.SYPSL03
		CustUserDefined01 : CustUserDefined03	Char [20]	User-defined field XMSYPK0.SYUSR XMSYPK0.SYUSR2 XMSYPK0.SYUSR3
		CustUserDefined04 : CustUserDefined06	Dec [15(2)-]	User Defined field XMSYPK0.SYUSR4 XMSYPK0.SYUSR5 XMSYPK0.SYUSR6
		PackGroupings	Section	Section to indicate the relationship between several packages in the shipment; that is, extended packing.
		PackGrouping ↻	Section	Indicates the start of a pack grouping section.
		OuterPackNumber	Char [35]	Reference to the parent pack number. XMSXPK0.SXPACK
		InnerPackNumber	Char [35]	Reference to the child pack number. XMSXPK0.SXPACK

The following XML example shows the <Packages> section:

```


<Packages>
  <PackHeader>
    <PackNumber>0000010</PackNumber>
    <Description>Shoes</Description>
    <PackType>QBOX</PackType>
    <NoOfPacks>
      <Quantity>1</Quantity>
    </NoOfPacks>
    <PackWeight>
      <UOM>LB</UOM>
      <Weight>30</Weight>
    </PackWeight>
    <PackDimensions>
      <UOM>IN</UOM>
      <Length>15</Length>
      <Width>5</Width>
      <Height>6</Height>
    </PackDimensions>
    <CODValue>
      <Currency>USD</Currency>
      <Value>200</Value>
    </CODValue>
    <InsuredValue>
      <Currency>USD</Currency>
      <Value>100</Value>
    </InsuredValue>
    <MarkAndNumbers lang="en-us">Stack upright</MarkAndNumbers>
  </PackHeader>
</Packages>

```

```
</PackHeader>
<PackDetails>
  <PackNumber>0000010</PackNumber>
  <ItemLineNumber>0000010</ItemLineNumber>
  <ProductQuantity>
    <UOM>EA</UOM>
    <Quantity>20</Quantity>
  </ProductQuantity>
</PackDetails>
</Packages>
```

Section: Charges

The following table lists the elements in the <Charges> section:

Elements		Data Type	Description
Charges		Section	This section indicates charges that are already calculated from a system external to QAD GTTE, and are required to be appended to the shipment in QAD GTTE.
	Charge 	Section	Section for an individual charge record.
	ChargeLineNumber	Int [7]	Section for an individual charge record.
	ItemLineNumber	Int	This is the line number record associated with the item line on the shipment. XMSOVR0.SOSEQN
	ChargeCode	Char [6]	Cost type for the charge record. CH XMSOVR0.SOCSTC
	Description	Char [70]	Description of the charge record to be created. XMSOVR0.SODESC
	ChargeAmount *	Section	Section for the value of the charge.
	BuyAmount *	Section	Section for the Buy value of the charge, or what the Shipper may charge to the receiver.
	Currency *	Char [7]	Currency of the Buy value.


						XMSOVR0.SOCURR
				Value *	Dec [15(2)-]	Amount of the Buy value. XMSOVR0.SOEVAL
				SellAmount *	Section	Section for the Sell value of the charge (what the Carrier may charge to the Shipper).
				Currency *	Char [7]	Currency of the Sell value. XMSOVR0.SOCURR
				Value *	Dec [15(2)-]	Amount of the Sell value. XMSOVR0.SOSEVAL
				Invoiceable	Log	Indicate if the charge is invoiceable or not. XMSOVR0.SOFG14

The following XML example shows the <Charges> section:

```
<Charges>
  <Charge>
    <ChargeLineNumber>0000010</ChargeLineNumber>
    <ChargeCode>QHANDL</ChargeCode>
    <Description>Additional Packing Charge</Description>
    <ChargeAmount>
      <BuyAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </BuyAmount>
      <SellAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </SellAmount>
    </ChargeAmount>
  </Charge>
</Charges>
```

Section: Accessorials

The following table lists the elements in the <Accessorials> section:

Element	Data Type	Description
Accessorials	Section	This section defines shipment characteristics that are relevant to specific indicators on the carrier label, or for determining additional rates for the shipment. Multiple or no accessorials can be applicable to the shipment.
	Accessorial 	Section for an individual accessorial.
	Line	Unique identifier for the accessorial record.
	Type	Defines the type of accessorial that is applicable for the shipment. See the Accessorial Types section to view the possible values.
	PackNumber	An accessorial may be applicable only to some packages in the shipment. For example, AdditionalHandling may only be available to a particular package, and not to all the packages in the shipment.

Accessorial Types

The possible values associated with the TYPE element are listed in the table below.

Type	Description
AdditionalHandling	Additional Handling
AddresseeDeliveryOnly	Addressee Delivery Only
AdultSignature	Adult Signature (not used - used DeliveryConfirmationAdultSignatureRequired)
Alcohol	Alcohol
CarrierAccessPoint	Carrier Access Point
CertifiedMail	Certified Mail
CertOfMailing	Certificate of Mailing
ChainOfSignature	Chain of Signature
DeliveryConfirmation	Delivery Confirmation
DeliveryConfirmationSignatureRequired	Delivery Confirmation Signature Required
DeliveryConfirmationAdultSignatureRequired	Delivery Confirmation Adult Signature Required
DeliveryConfirmationVerbal	Delivery Confirmation Verbal
DirectDelivery	Direct Delivery
DryIce	Dry Ice
EarlyMorningDelivery	Early Morning Delivery
EndorsementLeaveIfNoResponse	Endorsement - Leave If No Response
EndorsementForwardingService	Endorsement - Forwarding Service
EndorsementAddressService	Endorsement - Address Service

EndorsementChangeService	Endorsement - Change Service
EndorsementReturnService	Endorsement - Return Service
HoldForPickup	Hold For Pickup
InsideDelivery	Inside Delivery
InsidePickup	Inside Pickup
Late Pickup	LatePickup
LiftgateDelivery	Liftgate Delivery
LiftgatePickup	Liftgate Pickup
MidMorningDelivery	Mid Morning Delivery
ParcelAirlift	Parcel Airlift
PharmacyDelivery	Pharmacy Delivery
ProofOfDelivery	Proof Of Delivery
RegisteredMail	Registered Mail
Residential	Residential
RestrictedDelivery	Restricted Delivery
ReturnReceipt	Return Receipt
ReturnReceiptMerchandise	Return Receipt for Merchandise
SaturdayDelivery	Saturday Delivery
SaturdayPickup	Saturday Pickup
SignatureRelease	Signature Release
SundayDelivery	Sunday Delivery

ServiceLevelOption1	Carrier-specific Service Level Option 1, when available.
ServiceLevelOption2	Carrier-specific Service Level Option 2, when available.
ServiceLevelOption3	Carrier-specific Service Level Option 3, when available.
ServiceLevelOption4	Carrier-specific Service Level Option 4, when available.
ServiceLevelOption5	Carrier-specific Service Level Option 5, when available.

The following XML example shows the <Accessorials> section:


```

<Accessorials>
  <Accessorial>
    <Line>0000010</Line>
    <Type>SaturdayDelivery</Type>
    <PackNumber>0000010</PackNumber>
  </Accessorial>
</Accessorials>

```

Section: Documents

The following table lists the elements in the <Documents> section:

Elements		Data Type	Description
Documents		Section	<p>Section to indicate what documents should be printed for this shipment.</p> <p><i>Note</i> Documents will only be printed if the printITLDocs is set to YES in the Ship section.</p>
	Document 	Section	Section for an individual document to be printed.
	Line	Int	Unique identifier for the document record in the message.
	PackNumber	Char [35]	<p>This is the unique reference for the package, passed in by the external application, to be stamped against the package record in the QAD GTTE application.</p> <p>When there are queries or updates made by the external application, this PackNumber field can be sent by the external application to identify the applicable package.</p> <p>XMSXPK0.SXADDRESS</p>
	PackLineNumber	Num [7]	This is the unique identifier of a package where this sequence is generated by the QAD GTTE application, to ensure that all packages within the shipment are uniquely numbered. This PackLineNumber is returned to external applications through the ProcessSPSResponse message.


			<p>An external application may use the PackNumber or the PackLineNumber to make subsequent updates or queries to the QAD GTTE application, to identify the appropriate package.</p> <p>XMSXPK0.SXPACK</p>
	Type	Char [2]	<p>Document type of the QAD GTTE document to be printed. DT</p> <p>XMSPRT0.SPDEL</p>
	Reference	Char [10]	<p>Document reference of the QAD GTTE document to be printed. DO</p> <p>XMSPRT0.SPREF</p>
	Copies	Int	<p>Number of copies of the document that should be printed.</p> <p>XMSPRT0.SPPSEL</p>
	TRAXPrinter	Char [10]	<p>The printer which should be used for the printing of the document.</p> <p><i>Note</i> If no printer is specified, then the TRAXLocale will be used if that has been specified.</p> <p>XMSPRT0.SPPRT</p>

The following XML example shows the <Documents> section:

```
<Documents>
  <Document>
    <Line>0000010</Line>
    <Type>20</Type>
    <Reference>INV2E</Reference>
    <Copies>1</Copies>
    <TRAXPrinter />
  </Document>
</Documents>
```

Section: Texts

The following table lists the elements in the <Texts> section:


Element		Data Type	Description
Texts		Section	Section to indicate Texts for this shipment.
	Text 	Section	Section for an individual text ID and text item line.
	TextId	Char [4]	XMSTEXT0.STTYPE
	ItemLineNumber	Int [7]	XMSTEXT0.STLINE
	TextValue	Char [2000]	XMSTEXT0.STTEXT

The following XML example shows the <Texts> section:

```
<Texts>
  <Text>
    <TextId>MARK</TextId>
    <ItemLineNumber>0</ItemLineNumber>
    <TextValue>Text mark</TextValue>
  </Text>
</Texts>
```

Section: Commodities

The following table lists the elements in the <Commodities> section:

Element	Data Type	Description
Commodities	Section	Section to indicate Commodities for this shipment.
Commodity 	Section	Section for an individual Commodity Line Number.
Line *	Int [7]	Commodity line number XMSDET0.SDLINE
ClassificationGroup	Char [5]	Commodity classification group XMSDET0.SDGROUP
CommodityCode	Char [22]	XMSDET0.SDCMOD
Description	Char [70]	XMSDET0.SDCDS1

		CountryOfOrigin	Char [4]	Country of origin. CT XMSDET0.SD34A
		ItemLineNumber	Int [7]	Item line number SHSI XMSDET0.SDSEQN
		ExportCode	Char [3]	XMSDET0.SD24A
		License	Section	License information
		Code	Char [3]	License type XMSDET0.SDLICC
		LicenseNo	Char [26]	XMSDET0.SDLICN
		ECCN	Char [20]	ECCN Number XMSDET0.SDECCN
		Origin	Char [1]	Origin type: Foreign or Domestic XMSDET0.SDDFFG
		FirstQuantity	Section	First quantity
		UOMType	Char [6]	First quantity UOM Type XMSDET0.SDHTYP
		UOM	Char [3]	First quantity UOM

					XMSDET0.SDHUOM
			Quantity	Dec [14(6)-]	First quantity Quantity XMSDET0.SDHQTY
			SecondQuantity	Section	Second quantity
			UOMType	Char [6]	Second quantity UOM Type XMSDET0.SDHTY2
			UOM	Char [3]	Second quantity UOM XMSDET0.SDHUO2
			Quantity	Dec [14(6)-]	Second quantity Quantity XMSDET0.SDHQT2
			TotalValue	Section	The total value section.
			Currency	Char [7]	Total Value Currency XMSDET0.SDCURR
			Value	Dec [15(2)-]	XMSDET0.SDCUMT
			GrossWeight	Section	Gross Weight
			UOM	Char [3]	Gross Weight UOM

				XMSDET0.SDWTUM
		Weight	Dec [16(6)-]	Gross Weight Value XMSDET0.SDGWGT
		DDTCRegistrationNumber	Char [15]	DDTC Registration Number XMSDET0.SDXNO1
		DDTCUSMLCategoryCode	Char [15]	DDTC USML Category Code XMSDET0.SDXNO2
		DDTCSMENumber	Char [1]	DDTC SME Number XMSDET0.SDFLG1
		DDTCEligiblePartyCertificationIndicator	Char [1]	DDTC Eligible Party Certification Indicator. XMSDET0.SDFLG2
		DDTCQuantity	Dec [14(6)-]	DDTC Quantity XMSDET0.SDSQTY
		DDTCQuantityUOM	Char [30]	DDTC Quantity UOM XMSDET0.SDPSL01
		Vehicles	Section	Commodity associated vehicles
		Vehicle ↻	Section	Commodity associated vehicle line

				IdType	Char [2]	Vehicle ID Type XMSVCL0.SVCTYPE
				IdNumber	Char [25]	Vehicle ID Number XMSVCL0.SVCVIDN
				Title	Section	Vehicle Title Details
				Number	Char [15]	Vehicle Title Number XMSVCL0.SVCTNUM
				State	Char [3]	Vehicle Title State XMSVCL0.SVCSTAT
				Country	Char [4]	Vehicle Title Country Code XMSVCL0.SVCCDE
				Description	Char [70]	Vehicle Description XMSVCL0.SVCCDS1
				TRAXUserDefined01 : TRAXUserDefined10	Char [30]	See the Header section of the CreateShipment message. XMSVCL0.SVCPSL01 XMSDET0.SDPSL02 XMSDET0.SDPSL03 XMSDET0.SDPSL04


```



</FirstQuantity>
<SecondQuantity>
  <UOMType />
  <UOM />
  <Quantity>0</Quantity>
</SecondQuantity>
<TotalValue>
  <Currency />
  <Value>0.0</Value>
</TotalValue>
<GrossWeight>
  <UOM />
  <Weight>0.0</Weight>
</GrossWeight>
<DDTCRegistrationNumber />
<DDTCUSMLCategoryCode />
<DDTCSMENumber />
<DDTCEligiblePartyCertificationIndicator />
<DDTCQuantity>0</DDTCQuantity>
<DDTCQuantityUOM />
<Vehicles>
  <Vehicle>
    <IdType />
    <IdNumber />
    <Title>
      <Number />
      <State />
      <Country />
    </Title>
  </Vehicle>
</Vehicles>

```

```
        <Description />
        <TRAXUserDefined01 />
        [...]
        <TRAXUserDefined05 />
    </Vehicle>
</Vehicles>
<TRAXUserDefined02 />
[...]
<TRAXUserDefined10 />
</Commodity>
</Commodities>
```

Section: Vessels

The following table lists the elements in the <Vessels> section:

Element		Data Type	Description
Vessels		Section	Section to indicate Vessels for this shipment.
	Vessel 	Section	Section for an individual Vessel Line Number.
	Line *	Int [7]	Vessel Line XMSVSL0.SVLINE
	AssetId *	Char [20]	Vessel details for this shipment.  XMSVSL0.SVVSEL
	TransportMode	Char [4]	Transport Mode XMSVSL0.SVMODE
	Nationality	Char [4]	Nationality of the vessel. XMSVSL0.SVCCDE
	PortOfDeparture	Char [5]	XMSVSL0.SVPDPT
	PortOfArrival	Char [5]	XMSVSL0.SVPARV
	DepartureDate	DateTime	XMSVSL0.SVDDTE
	EstimatedDateOfArrival	DateTime	XMSVSL0.SVADTE


	ExportLeg	Log [1]	Virtual Field - SVEXPLEG
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment Message. XMSVSL0.SVPSL01 XMSVSL0.SVPSL02 XMSVSL0.SVPSL03 XMSVSL0.SVPSL04 XMSVSL0.SVPSL05

The following XML example shows the <Vessels> section:

```
<Vessels>
  <Vessel>
    <Line>0</Line>
    <AssetId />
    <TransportMode />
    <Nationality />
    <PortOfDeparture />
    <PortOfArrival />
    <DepartureDate>2006-01-31T09:30:00-00:00</DepartureDate>
    <EstimatedDateOfArrival>2006-02-10T09:30:00-00:00 </EstimatedDateOfArrival>
    <ExportLeg>0</ExportLeg>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Vessel>
</Vessels>
```

Section: Containers

The following table lists the elements in the <Containers> section:

Elements		Data Type	Description
Containers		Section	Section to indicate Containers for this shipment.
	Container 	Section	Section for an individual Container Line Number.
	AssetId	Char [20]	Asset ID associated with this container. XMSCNT0.SCASID
	AssetType	Char [16]	Asset Type associated with this container. XMSCNT0.SCTYPE
	Nationality	Char [4]	XMSCNT0.SCCCDE
	RegistrationNumber	Char [14]	XMSCNT0.SCCONT
	SealNumber	Char [20]	XMSCNT0.SCSEAL
	IncludeInFreightCalculation	Log [1]	Include in freight calculation. XMSCNT0.SCFRGT
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSCNT0.SCPSL01 XMSCNT0.SCPSL02

				XMSCNT0.SCPSL03
				XMSCNT0.SCPSL04
				XMSCNT0.SCPSL05

The following XML example shows the <Containers> section:


```

<Containers>
  <Container>
    <AssetId />
    <AssetType />
    <Nationality />
    <RegistrationNumber />
    <SealNumber />
    <IncludeInFreightCalculation>false</IncludeInFreightCalculation>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Container>
</Containers>

```

Section: DynamicFields

The following table lists the elements in the <DynamicFields> section:

Elements	Data Type	Description
DynamicFields	Section	Indicates the start of the DynamicFields section.
DynamicField 	Section	Specifies the details for a DynamicField.


	FieldNumber	Int [7]	Unique identifier for the DynamicField in the DynamicFields section.
	TableName	Char [16]	The name of the database table in QAD GTTE for which the field data is being added.
	FieldName	Char [20]	The name of the database field in QAD GTTE to which the field data is being added.
	RecordSequence	Int [7]	The identifier of the sequence of the record for which the field is being updated. For example, if the record is a subrecord of shipment, then it has a numeric key. This determines the record that is to be updated.
	FieldValue	Char [2000]	The value to be updated into the database for the field specified.
	FieldValueDoubleByte	Char [2000]	The value to be updated into the database for the field specified for a doublebyte data value.
	SectionName	Char [20]	Name of the Section in the message that is applicable to the field to be updated.
	SectionField	Char [20]	Name of the Field for the section in the message that is applicable to the field to be updated.
	SectionKey	Char [20]	Name of the Key for the section in the message that is applicable to the field to be updated.
	VirtualField	Log [1]	Indicator if this is to be considered a virtual field to be created in the database.

The following XML example shows the <DynamicFields> section:

```
<Dynamicfields>
  <Dynamicfield>
    <Fieldnumber>30</Fieldnumber>
    <Tablename>XMSITMO</Tablename>
    <Fieldname>SIEUR1</Fieldname>
    <Recordsequence>20</Recordsequence>
    <Fieldvalue>TEST_EUR2</Fieldvalue>
    <FieldValueDoubleByte />
    <SectionName />
    <SectionField />
    <SectionKey />
    <VirtualField>true</VirtualField>
  </Dynamicfield>
</Dynamicfields>
```

Section: AlertNotifications

The following table lists the elements in the <AlertNotifications> section:

Elements		Data Type	Description
AlertNotifications		Section	Section to indicate alert notification for this shipment.
	AlertNotification 	Section	Section to indicate individual Alert Notification.
	PackNumber	Char [35]	Unique identifier of the package. This must match a PackNumber of one of the PackHeader records above.
	NotificationType	Char [40]	<p>Notification type. Possible values are:</p> <p>FedEx Express & Ground</p> <ul style="list-style-type: none"> • ShipperShipAlert: Provide email notification of a shipment to the Shipper • ShipperDeliveryAlert: Provide email notification of delivery to the Shipper. • RecipientShipAlert: Provide email notification of a shipment to the Ship To. • RecipientDeliveryAlert: Provide email notification of delivery to the Ship To. <p>UPS</p> <ul style="list-style-type: none"> • ShipNotification: Quantum View Ship Notification. • ExceptionNotification: Quantum View Exception Notification. • DeliveryNotification: Quantum View Delivery Notification. • ReturnNotification: Return Notification.

			<ul style="list-style-type: none"> ● InboundReturnNotification: Inbound Return Notification. ● InTransitNotification: Quantum View In-Transit Notification. ● PreAlertNotification: Quantum View Pre-Alert Notification. ● ImportCODConsigneeNotification: UPS Import COD Consignee Notification. ● NotAtHomeDeliverToAccessPoint: Not at home. Deliver to a UPS Access Point Notification.
	PhoneDetails	Section	Phone details
	FaxDetails	Section	This section is for the fax number of the party.
	AttentionName	Char [35]	Attention name
	EmailAddress	Char [250]	E-mail address of the party to be notified.
	ReferenceType	Char [20]	Reference type
	Language	Char [10]	Language
	MemoText	Char [150]	This field allows a custom note to be included within the UPS Quantum View email notification.
	FailureEmailAddress	Char [50]	The notification e-mail address used if UPS is unable to send a tracking update to your primary e-mail address.

The following XML example shows the <AlertNotifications> section:

```
<AlertNotifications>
  <AlertNotification>
    <PackNumber />
    <NotificationType>DeliveryNotification</NotificationType>
    <PhoneDetails>
      <CountryCode>1</CountryCode>
      <AreaCode>111</AreaCode>
      <Phone>2323232</Phone>
      <Extension />
    </PhoneDetails>
    <FaxDetails>
      <CountryCode>1</CountryCode>
      <AreaCode>111</AreaCode>
      <Phone>3434343</Phone>
      <Extension />
    </FaxDetails>
    <AttentionName />
    <EmailAddress>john.smith@test.com</EmailAddress>
    <ReferenceType />
    <Language />
  </AlertNotification>
</AlertNotifications>
```

Section: InternalTracking

The following table lists the elements in the <InternalTracking> section:

Element			Data Type	Description
InternalTracking			Section	Section for the start of internal tracking.
	LocationDetails		Section	Section for the start of location details for the internal tracking.
		LocationDetail	Section	Section for the start of a particular location for the internal tracking.
		LocationType *	Char [5]	Type of location; that is, the origin or destination.
		AreaLocation	Char [30]	Area location ID
		EmployeeID	Char [30]	Employee ID
		RoomID	Char [30]	Room ID
		MailstopID	Char [30]	Mail stop ID
		SiteID	Char [30]	Site ID

The following XML example shows the <InternalTracking> section:

```
<InternalTracking>
  <LocationDetails>
    <LocationDetail>
      <LocationType>FROM</LocationType>
      <AreaLocation>A00001</AreaLocation>
      <EmployeeID>x</EmployeeID>
      <RoomID />
      <MailstopID />
      <SiteID />
    </LocationDetail>
    <LocationDetail>
      <LocationType>TO</LocationType>
      <AreaLocation>B00001</AreaLocation>
      <EmployeeID>x</EmployeeID>
      <RoomID />
      <MailstopID />
      <SiteID />
    </LocationDetail>
  </LocationDetails>
</InternalTracking>
```

Section: InboundRequest

The following table lists the elements in the <InboundRequest> section:

Element	Data Type	Description
InboundRequest	Section	This section allows for the setting of some characteristics for an Inbound transaction that is to be created and linked to the Outbound shipment transaction.
CreateInbound *	Log	This is an indicator to determine whether an inbound/return shipment transaction should be created for the outbound shipment transaction.
Service	Char	Service used for Inbound, or return, shipment. SHROUT
PackingLocation	Char [5]	Specifies the Return packing location. Virtual field SHWHOUSE
Locale	Char [6]	Allows a printer locale to be specified for the Return shipment. The default value for Locale is the value for outbound shipment. LO
ReturnType	Char [20]	Specifies the ReturnType for the shipment. For example, Print and Mail Label. Virtual field SHRETURNTYPE

		See the Return Types section to view the possible values.
--	--	---

The following XML example shows the <InboundRequest> section:

```
<InboundRequest>  
  <CreateInbound>1</CreateInbound>  
  <Service>UPSUS003</Service>  
  <PackingLocation>A9902</PackingLocation>  
  <Locale>QPSLBB</Locale>  
</InboundRequest>
```


Return Types

The possible values associated with the Return Type element are listed in the table below.

Duty Payment Type	Description
ERL	Electronic Return Labels
RSO	Return Service - One Attempt
PNM	Return Service - Print and Mail
ALP	Return Service - Print Return Label
ART	Return Service - Three Attempts

Section: WorkflowGroups

The following table lists the elements in the <WorkflowGroups> section:

Element	Data Type	Description
WorkflowGroups	Section	Specifies the user groups for shipments.
WorkflowGroup 	Section	Unbounded child of WorkflowGroup.
OwnerGroup	Char [16]	Owner Group XTGLST0.GLSFUNC

The following XML example shows the <WorkflowGroups> section:

```
<WorkflowGroups>
  <WorkflowGroup>
    <OwnerGroup />
  </WorkflowGroup>
</WorkflowGroups>
```

Section: ImportHeader

The following table lists the elements in the <ImportHeader> section:

Element		Data Type	Description
ImportHeader		Section	Import shipment section.
	Dates	Section	Import dates.
	ExportDate	DateTime	Date on which the vessel departed the foreign city. XMS3SH0.S3EMDT
	ImportDate	DateTime	XMS3SH0.S3IMDT
	EntryDate	DateTime	Date of submission to US Customs. XMS3SH0.S3ED
	EntrySummaryDate	DateTime	The date on which the duty and taxes are due to US Customs. XMS3SH0.S3ESD
PortInfo		Section	Port details section.
	PortCode	Char [30]	XMS3SH0.S3USPC
	PortDescription	Char [30]	CH30
	PortOfUnlading	Char [30]	This is the first port of arrival. For example, a container from Singapore is taken off the ship at the port of Long Beach, but is destined for


			Memphis. In this case, the port of unloading is Long Beach. XMS3SH0.S3FRPT
	Fees	Section [30]	This section specifies the import fees.
	HarbourMaintenanceFee	Dec [15(2)-]	XMS3SH0.S3HMF
	MerchandiseProcessingFee	Dec [15(2)-]	XMS3SH0.S3MPF
	ImportType	Char [6]	Determines if the entry is formal or informal. Logic and calculations are dependent on this. XMS3SH0.S3TYPE
	Destination	Char [40]	XMS3SH0.S3DEST
	RelatedPartyIndicator	Log	XMS4SI0.S4PREL
	BrokerFileNumber	Char [20]	XMS3SH0.S3BRKFN
	ExportingCountry	Char [4]	XMSHDR0.SHCDS1
	ManufacturerID	Char [15]	XMS4SI0.S4MID
	ImportIdentificationNumber	Char [18]	XMS3SH0.S3IMPIOR
	TotalEnteredValue	Dec [15(2)-]	XMS3SH0.S3TEV

The following XML example shows the <ImportHeader> section:

```
<ImportHeader>
  <Dates>
    <ExportDate>2006-01-31T09:30:00-00:00</ExportDate>
    <ImportDate>2006-01-31T09:30:00-00:00</ImportDate>
    <EntryDate>2006-01-31T09:30:00-00:00</EntryDate>
    <EntrySummaryDate>2006-01-31T09:30:00-00:00</EntrySummaryDate>
  </Dates>
  <PortInfo>
    <PortCode />
    <PortDescription />
    <PortOfUnlading />
  </PortInfo>
  <Fees>
    <HarbourMaintenanceFee>0</HarbourMaintenanceFee>
    <MerchandiseProcessingFee>0</MerchandiseProcessingFee>
  </Fees>
  <ImportType />
  <Destination />
  <RelatedPartyIndicator>0</RelatedPartyIndicator>
  <BrokerFileNumber />
  <ExportingCountry />
  <ManufacturerID />
  <ImportIdentificationNumber />
  <TotalEnteredValue>0</TotalEnteredValue>
  <EntryCurrency />
  <EntryExchangeRate>0</EntryExchangeRate>
</ImportHeader>
```

Section: Languages

The following table lists the elements in the <Languages> section:

Element		Data Type	Description
Languages		Section	Languages shipment section
	Language 	Section	Language shipment section
	Langld *	Char [3]	Specifies the language ID. Language ID should be already defined in DL .
	Header	Section	Language shipment header section.
	DeliveryTerms	Section	Identifies the start of the delivery terms section. Click the element name to view child elements.
	Texts	Section	This section is for texts that may be sent and attached to the shipment for printing on documents. Click the element name to view child elements.
	Parties	Section	This section is for the set of parties or addresses that are applicable to the shipment. Click the element name to view child elements.
	Description	Char [40]	This is the overall description of the shipment. XMGLNG0
	Items	Section	This section describes product information that may be required to be interfaced for the purposes of invoices, packing lists, or carrier requirements for the breakdown of package contents. Click the element name to view child elements.

		Packages	Section	This section identifies the packages being shipped. Click the element name to view child elements.
		Texts	Section	Section to indicate Texts for this shipment. Click the element name to view child elements.
		Commodities	Section	Section to indicate Commodities for this shipment language. Click the element name to view child elements.
		DynamicFields	Section	Click the element name to view the child elements of DynamicFields.
		ImportHeader	Section	Import shipment section. Click the element name to view child elements.

The following XML example shows the <Languages> section:

```
<Languages>
  <Language>
    <LangId />
    <Header>
      <DeliveryTerms>
        <Description />
      </DeliveryTerms>
      <Texts>
        [...]
      </Texts>
      <Parties>
        [...]
      </Parties>
      <Description />
    </Header>
    <Items>
      <Item>
        [...]
      </Item>
    </Items>
    <Packages>
      [...]
    </Packages>
    <Texts>
      [...]
    </Texts>
    <Commodities>
```

```
    [...]  
  </Commodities>  
  <DynamicFields>  
    [...]  
  </DynamicFields>  
  <ImportHeader>  
    [...]  
  </ImportHeader>  
</Language>  
</Languages>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Element				Data Type	Description	
Actions				Section	Section to indicate actions for this shipment.	
	Action * ↻			Section	Section for the start of an individual action.	
		Sequence *		Int [3]	Actions sequence.	
		Type *		Char [30]	Unique identifier of the action section. For information on the available action types, see Appendix D: Action Types .	
		Parameters			Section	Section used to pass parameters related to this section.
			Parameter * ↻		Section	Section for an individual parameter.
			Name *		Char [50]	Parameter name: unique for an action.
			Value *		Char [2000]	Parameter value.

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 3: ShipShipment Message

This section describes the ShipShipment API message.

Message Overview

Describes how the ShipShipment message is typically used.

Message Sample

Provides a sample of the XML message.

ShipShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ShipShipment message is used to create a shipment in QAD GTTE, with the potential processing to then rate and label it. It contains all the required characteristics of the shipment necessary for shipping domestically or internationally. The API processes the ShipShipment message, and can perform the following actions, if requested and configured to do so:

- Apply rules to the shipment
- Apply a routing or service assignment to the shipment
- Generate the tracking numbers for the shipment
- Generate the rates for the shipment
- Print the labels
- Return the carrier labels in the response
- Return the generated estimates of charges
- Return error codes and descriptions
- Print additional QAD GTTE documentation
- Return labels and documentation as attachments

All responses to the ShipShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="utf-8" ?>
<ShipShipment revision="S34" environment="Production" lang="en-US"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ShipShipment.xsd">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferencId />
      <UniqueMessageld />
    </Sender>
    <CreationDateTime>2006-01-31T09:30:00-00:00</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Ship confirm="Always" create="1" printLabels="1" printITLDocs="1"
printFileReturned="1" breakdownChargesReturned="0" createDespatchMaster="0" />
  </DataArea>
</ShipShipment>
```

```

    <Shipment>
      [...]
    </Shipment>
    <Actions>
      [...]
    </Actions>
  </DataArea>
</ShipShipment>

```

ShipShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```

<Ship confirm="Always" create="1" printLabels="1" printTLDocs="1" printFileReturned="1"
breakdownChargesReturned="0" createDespatchMaster="0" />

```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
create	Not in use at this time. The default value is 1 to create.
printLabels	Determines if labels should be printed when there is a successful rating.
printTLDocs	Determines if international documents should be printed when there is a successful rating.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.

breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable.
emailErrors	Determines if rating errors are e-mailed to a user, if configured for this functionality.
diaryErrors	Determines if rating errors are sent to the QAD GTTE diary, if configured for this functionality.
createDespatchMaster	Determines if a Master shipment needs to be created for this Despatch message. This means that the XML message contains all of the item information for the Master shipment, but the packing information only relates to the Despatch.
collatePDFDocuments	Determines if multiple PDF documents or labels should be returned as a single PDF attachment.
collatePDFMerge	Determines if PDF document pages or label pages are merged. Default value: 0
collatePDFMergeId	PDF Merge ID.

Section: Shipment

The following table lists the top elements in the ShipShipment message, beginning at root element <Shipment>. Click an element in the table below to view its child elements:

Element	Data Type	Description
Shipment * ↻	Section	Root element. Identifies the section containing data relating to the shipment. <i>Note</i> This section can only be repeated if an Outbound and Inbound shipment are being processed together in one message.
Header *	Section	Contains the Shipment Header details.
Items	Section	This section is for product information that may be required for interfacing for the purposes of invoicing, packing lists, or carrier requirements for breakdown of package contents.
Packages *	Section	This section identifies the packages being shipped. This is a mandatory section for SPS or LTL shipping.
Charges	Section	This section indicates charges that are already calculated from a system external to QAD GTTE, and are required to be appended to the shipment in QAD GTTE.
Accessorials	Section	This section defines shipment characteristics that are relevant to specific indicators on the carrier label, or for determining additional rates for the shipment. Multiple or no accessorials may be applicable to the shipment.

Documents	Section	This section specifies the documents that must be printed for this shipment. <i>Note</i> Documents will only be printed if the printITLDOcs is set to YES in the Ship section.
Texts	Section	This section indicates the texts for this shipment.
Commodities	Section	This section indicates the commodities for this shipment.
Vessels	Section	This section indicates the vessels for this shipment.
Containers	Section	This section indicates the containers for this shipment.
DynamicFields	Section	This section indicates the dynamic fields for this shipment.
AlertNotifications	Section	This section indicates the alert notifications for this shipment.
InternalTracking	Section	This section indicates the start of internal tracking.
InboundRequest	Section	This section allows for the setting of some characteristics for an Inbound transaction that is to be created and linked to the Outbound shipment transaction.
WorkflowGroups	Section	This section specifies the user groups for shipments.
ImportHeader	Section	This section imports shipments.
Languages	Section	This section specifies the languages for the shipment.

Section: Header

The following table lists the elements in the <Header> section:

Element	Data Type	Description
Header *	Section	See the Header section of the CreateShipment message.
TRAXClient *	Char [3]	
TRAXShipmentTransactionType	Char [1]	
Shipper	Char [10]	
TRAXDespatchNumber	Int [3]	
TRAXUser	Char [10]	
TRAXWorkflow	Char [10]	
TRAXPrinter	Char [10]	
TRAXLocale	Char [6]	
ShipmentType	Char [2]	
ShipmentLanguage	Char [3]	
BaseCurrency	Section	
Currency	Char [7]	
ExchangeRate	Dec	
ShipmentCurrency	Section	

	Currency	Char [7]
	ExchangeRate	Dec [15(7)-]
	DeliveryTerms	Section
	TermCode	Char [3]
	Description	Char [50]
	Distance	Section
	UOM *	Char [3]
	Value *	Dec [9(3)-]
	PaymentTerms	Section
	TermCode	Char [8]
	Description	Char [40]
	Service *	Char [30]
	ServiceInterim	Char [20]
	ServiceBillable	Char [30]
	ServiceBillableDiff	Log
	TransportMode	Char [4]
	PackingLocation *	Char [5]
	PaymentType	Char

	DutyPaymentType	Char
	DutyPaymentAccount	Char [20]
	DutyPaymentAccountCountry	Char [4]
	CODDetails	Section
	CODPaymentMethod	Char
	Currency	Char [7]
	CreditCard	Section
	Type	Char [20]
	Number	Char [16]
	Expiry	Char [5]
	InsuranceType	Char [50]
	VerbalConfirm	Section
	Name	Char [30]
	PhoneDetails	Section
	CountryCode	Char [5]
	AreaCode	Char [6]
	Phone	Char [30]
	Extension	Char [5]
	SEDDetails	Section

	Applicable	Char [1]
	ExportInformationCode	Char [3]
	RoutedTransaction	Log [1]
	AESTransactionNumber	Char [15]
	RelatedPartyIndicator	Log [1]
	BookingNumber	Char [18]
	ForeignTradeZone	Char [5]
	PlaceOfLoading	Char [30]
	PlaceOfDestination	Char [30]
	InTransitNumber	Char [18]
	InBondCode	Char [10]
	Texts	Section
	SpecialInstructionsText	Char [2000]
	InvoiceDeclarationText	Char [2000]
	InvoiceAdditionalComments	Char [2000]
	Dates	Section
	DespatchDate *	DateTime
	DepartureDate	DateTime

	EstimatedDateOfArrival	DateTime
	References	Section
	ShipmentReference	Char [10]
	QuoteReference	Char
	InvoiceNumber	Char [18]
	CertificateOfOriginNumber	Char [15]
	TrackingLocationID	Char
	OtherReference	Char [30]
	CustomsReference	Char [18]
	ForwardersReference	Char [30]
	BuyersReference	Char [35]
	OrderReference	Char [30]
	AdditionalReference	Char [20]
	BillOfLadingNumber	Char [35]
	MasterAirWaybill	Char [18]
	HouseAirWaybill	Char [18]
	Parties	Section
	Party *	Section
	Description	Char [40]

	CostCentre	Char [30]
	RequiredDeliveryInfo	Section
	EarliestDeliveryDateTime	DateTime
	LatestDeliveryDateTime	DateTime
	NumberOfDeliveries	Int [10]
	TRAXUserDefined01 : TRAXUserDefined05	Char [35]
	CustUserDefined01 : CustUserDefined12	Char [40]
	CustUserDefined13 : CustUserDefined14	Int [9]

The following XML example shows the <Header> section:

```

<Header>
  <TRAXClient>TGL</TRAXClient>
  <TRAXUser>QCONFIG</TRAXUser>
  <TRAXWorkflow>13</TRAXWorkflow>
  <TRAXPrinter />
  <TRAXLocale>QPDFML</TRAXLocale>
  <ShipmentType>13</ShipmentType>
  <ShipmentLanguage>ENG</ShipmentLanguage>

```

```

<BaseCurrency>
  <Currency>USD</Currency>
  <ExchangeRate>1.0</ExchangeRate>
</BaseCurrency>
<ShipmentCurrency>
  <Currency>USD</Currency>
  <ExchangeRate>1.0</ExchangeRate>
</ShipmentCurrency>
<DeliveryTerms>
  <TermCode>EXW</TermCode>
  <Description>Ex Works</Description>
</DeliveryTerms>
<PaymentTerms>
  <TermCode>NET30</TermCode>
  <Description>Net 30 Days</Description>
</PaymentTerms>
<Service>UPSUS001</Service>
<TransportMode>Air</TransportMode>
<PackingLocation>A9901</PackingLocation>
<PaymentType>PREPAID</PaymentType>
<EarliestDeliveryTime>00:00</EarliestDeliveryTime>
<InsuranceType />
<Texts>
  <SpecialInstructionsText>Make sure to call before delivery.</SpecialInstructionsText>
  <InvoiceDeclarationText />
  <InvoiceAdditionalComments>See packing list for
details.</InvoiceAdditionalComments>
</Texts>
<Dates>

```

```
<DespatchDate>2006-03-24T15:30:47-00:00</DespatchDate>
</Dates>
<References>
  <ShipmentReference />
  <QuoteReference>QN11223344</QuoteReference>
  <InvoiceNumber>INV00000020</InvoiceNumber>
  <CertificateOfOriginNumber>US0000001</CertificateOfOriginNumber>
  <TrackingLocationID />
  <OtherReference>395003123</OtherReference>
  <CustomsReference>498230001</CustomsReference>
  <ForwardersReference>A12233445566</ForwardersReference>
  <BuyersReference>B12233445566</BuyersReference>
  <AdditionalReference>C12233445566</AdditionalReference>
</References>
<Parties>
  [...]
</Parties>
<Description>013_ShipShipment_US_Domestic_with_Return</Description>
<TRAXUserDefined01 />
  [...]
<TRAXUserDefined05 />
</Header>
```

Section: Parties

The following table lists the elements in the <Parties> section:

Element		Data Type	Description
Parties		Section	See the Parties section of the CreateShipment message.
	Party * ↻	Section	
	PartyType *	Char	See the Party Types section of the CreateShipment message.
	PartyId	Section	See the Parties section of the CreateShipment message.
	ID	Char [20]	
	VATNr	Char[28]	
	EIN	Char [18]	
	SSN	Char [11]	
	DUNS	Char [9]	
	Name	Char [40]	
	Contact	Char [40]	
	PartyAddress	Section	
	AddressLine	Char [40]	
	City	Char [30]	
	StateOrProvince	Char [3]	

		County	Char [20]	
		Country	Char [4]	
		PostalCode	Char [10]	
		PhoneDetails		
		CountryCode	Char [4]	
		AreaCode	Char [6]	
		Phone	Char [30]	
		Extension	Char [5]	
		FaxDetails	Section	
		CountryCode	Char [4]	
		AreaCode	Char [6]	
		Phone	Char [10]	
		Extension	Char [5]	
		EmailAddress	Char [50]	
		CarrierAccount	Char [20]	
		IATACode	Char [8]	
		TRAXUserDefined01 : TRAXUserDefined05	Char [35]	See the Header section of the CreateShipment message.
		CustUserDefined01 :	Char [40]	See the Parties section of the CreateShipment message.

	CustUserDefined09		
--	-------------------	--	--

The following XML example shows the <Parties> section:

```


<Parties>
  <Party>
    <PartyType>Shipper</PartyType>
    <PartyId>
      <Id />
      <VATNr />
      <EIN />
      <SSN />
      <DUNS />
    </PartyId>
    <Name>GTTE</Name>
    <Contact>Mr. John Smith</Contact>
    <PartyAddress>
      <AddressLine>651 W. Washington Blvd</AddressLine>
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <City>CHICAGO</City>
      <StateOrProvince>IL</StateOrProvince>
      <County />
      <Country>US</Country>
      <PostalCode>60610</PostalCode>
    </PartyAddress>
    <PhoneDetails>

```

```
<CountryCode>1</CountryCode>
<AreaCode>312</AreaCode>
<Phone>3347777</Phone>
<Extension />
</PhoneDetails>
<FaxDetails>
  <CountryCode>1</CountryCode>
  <AreaCode>312</AreaCode>
  <Phone>3348888</Phone>
  <Extension />
</FaxDetails>
<EmailAddress>john@email.com</EmailAddress>
<CarrierAccount />
<IATACode />
<TRAXUserDefined01 />
[...]
<TRAXUserDefined05 />
<CustUserDefined01 />
[...]
<CustUserDefined05 />
</Party>
</Parties>
```

Section: Items

The following table lists the elements in the <Items> section:

Element	Data Type	Descriptions
Items	Section	See the Items section of the CreateShipment message.
	Item 	Section
	ItemLineNumber	Int [7]
	Product	Section
	ProductCode	Char [25]
	FDAProductCode	Char [25]
	CustomerProduct	Char [30]
	Commodity	Section
	Type	
	CommodityCode	
	ImportCommodity	Section
	Type	Char
	CommodityCode	Char
	Description	Char [2000]
	CommodityLineNumber	Int [7]

			ProductQuantity	Section
			UOM	Char [3]
			Quantity	Dec [14(6)-]
			ItemOrderType	Char [5]
			OrderQuantity	Section
			Quantity	Dec [14(6)-]
			ItemOrderNumber	Int [9-]
			ItemOrderLine	Int [9-]
			ProductWeight	Section
			UOM	Char [3]
			Weight	Dec [16(6)-]
			NetWeight	Dec [16(6)-]
			ProductDimensions	Section
			UOM	Char [3]
			Length	Dec [8(4)-]
			Width	Dec [8(4)-]
			Height	Dec [8(4)-]
			ProductVolume	Section
			UOM	Char [3]
			Volume	Dec [16(6)-]

			ProductLoadSpace	Section
			UOM	Char [3]
			Quantity	Dec [13(6)-]
			UnitPrice	Section
			Amount	Section
			Currency	Char [7]
			Value	Dec [16(6)-]
			PerQuantity	Section
			Quantity	Dec
			UOM	Char
			ExtendedPrice	Section
			Amount	Section
			Currency	Char
			Value	Dec [15(2)-]
			Tax	Section
			LineNumber	Int
			TaxCode	Char
			TaxJurisdiction	
			TaxAmount	Char
			Currency	Char

				Value	Dec [15(2)-]
				TotalAmount	Section
				Amount	Section
				Currency	Char [7]
				Value	Dec [15(2)-]
				License	Section
				Exception	Char
				LicenseNo	Char
				EffectiveDate	Date
				ExpiryDate	Date
				Type	Char
				ECCNs	Section
				ECCN ↻	Section
				ExportGroup *	Char [5]
				ECCN	Char [20]
				Exception	Char [5]
				MinimumValue	Dec [15(2)-]
				MaximumValue	Dec [15(2)-]
				Currency	Char [7]
				Description	Char [40]

			CountryOfOrigin	Char [4]
			FreightClass	Char [4]
			NMFC_Code	Char [22]
			References	Section
			OrderReference	Char [30]
			BuyersReference	Char [35]
			InvoiceNumber	Char [35]
			InvoiceDate	DateTime
			LotAllocations	Section
			LotAllocation * ↻	Section
			LotLineNumber *	Int [7]
			LotNumber	Char [30]
			Location	Char [10]
			BatchNumber	Char [10]
			ManufactureDate	Date
			EndDate	Date
			Warehouse	Char [3]
			Comments	Char [30]
			LotQuantity	Dec [14(6)]
			Container	Char [14]

			CountryOfOrigin	Char [5]	
			TRAXUserDefined01 ⋮ TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSLOT0.SLPSL01 XMSLOT0.SLPSL02 XMSLOT0.SLPSL03 XMSLOT0.SLPSL04 XMSLOT0.SLPSL05
			ItemOrigin	Char [1]	See the Items section of the CreateShipment message.
			HazMatInfo	Section	
			Dangerous *	Log	
			UNNumber *	Char [4]	
			InnerQuantity	Section	
			UOM	Char [16]	
			Quantity	Dec	
			OuterQuantity	Section	
			UOM	Char [16]	
			Quantity	Dec	
			SerialNumbers	Section	
			SerialNumber ↻	Section	
			LotLineNumber	Int [7]	
			SerialNo	Char [20]	

			ImportInfo	Section
			Fees	Section
			HarbourMaintenanceFee	Dec [15(2)-]
			MerchandiseProcessing Fee	Dec [15(2)-]
			AntiDumpingAssessmen tFee	Dec [15(2)-]
			CounterVeilingDutyFee	Dec [15(2)-]
			OtherFee	Dec [15(2)-]
			TotalFee	Dec [15(2)-]
			Duty	Section
			DutyRate	Dec [15(2)-]
			DutyPaid	Dec [15(2)-]
			DutiableValue	Dec [15(2)-]
			SpecialProgramsIndicators	Section
			Indicator1	Char [30]
			Indicator2	Char [30]
			Qualifiers	Section
			Qualifier 	Section
			Type	Char
			Value	Char [20]
			TotalEnteredValue	Dec [15(2)-]

			AdditionalValue	Dec [15(2)-]
			NonDutiableCalcValue	Dec [15(2)-]
			RulingNumber	Char [15]
			FDAComments	Char [200]
			SerialControlType	Char
			BondStatus	Char [16]
			TRAXUserDefined01 : TRAXUserDefined05	Char [30]
			CustUserDefined01 : CustUserDefined09	Char [40]

The following XML example shows the <Items> section:

```

<Items>
  <Item>
    <ItemLineNumber>0000010</ItemLineNumber>
    <Product>
      <ProductCode>PROD0001</ProductCode>
      <CustomerProduct>CUSTPROD0001</CustomerProduct>
      <Description>Shoes</Description>
    </Product>
    <ProductQuantity>
      <UOM>EA</UOM>
      <Quantity>20</Quantity>
    </ProductQuantity>
    <ProductWeight>
      <UOM>LB</UOM>
      <Weight>1</Weight>
    </ProductWeight>
    <ProductDimensions>
      <UOM>IN</UOM>
      <Length>1.5</Length>
      <Width>2</Width>
      <Height>2</Height>
    </ProductDimensions>
    <ProductVolume>
      <UOM>IN3</UOM>
      <Volume>4</Volume>
    </ProductVolume>
    <UnitPrice>
      <Amount>
        <Currency>USD</Currency>
        <Value>10</Value>
      </Amount>
    </UnitPrice>
  </Item>
</Items>

```


```
        </Amount>
        <PerQuantity>
            <Quantity>1.0</Quantity>
            <UOM>EA</UOM>
        </PerQuantity>
    </UnitPrice>
    <ExtendedPrice>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </ExtendedPrice>
    <TotalAmount>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </TotalAmount>
    <CountryOfOrigin>US</CountryOfOrigin>
    <FreightClass />
    <References>
        <OrderReference>Order001</OrderReference>
        <BuyersReference>BuyerRef001</BuyersReference>
    </References>
</Item>
</Items>
```


Section: Packages

The following table lists the elements in the <Packages> section:

Element	Data Type	Description	
Packages *	Section	See the Packages section of the CreateShipment message.	
	PackHeader *		Section
	PackNumber *		Char [35]
	Description		Char [2000]
	PackType		Char [16]
	NoOfPacks *		Section
	Quantity *		Int
	PackWeight *		Section
	UOM		Char [3]
	Weight *		Dec [16(6)-]
	TareWeight		Dec [16(6)-]
	NetWeight		Dec [16(6)-]
	NetNetWeight		Dec [16(6)-]

		PackDimensions	Section
		UOM	Char
		Length	Dec
		Width	Dec
		Height	Dec
		PackVolume	Section
		UOM	Char
		Volume	Dec [16(6)-]
		PackLoadSpace	Section
		UOM	Char [3]
		Quantity	Dec [13(6)-]
		CODValue	Section
		Currency	Char [7]
		Value	Dec [15(2)-]
		InsuredValue	Section
		Currency	Char
		Value	Dec [15(2)-]

	MarkAndNumbers	Char [30]	
	TrackingNumber	Char [35]	
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSXPK0.SXPSL01 XMSXPK0.SXPSL02 XMSXPK0.SXPSL03 XMSXPK0.SXPSL04 XMSXPK0.SXPSL05
	PackDetails 	Section	See the Packages section of the CreateShipment message.
	PackNumber *	Char [35]	
	ItemLineNumber *	Int [7]	
	ProductQuantity	Section	
	UOM	Char [3]	
	Quantity	Dec	
	SerialNo	Char [20]	
	CustUserDefined01 : CustUserDefined03	Char [20]	User-defined field XMSYPK0.SYUSR XMSYPK0.SYUSR2 XMSYPK0.SYUSR3
	CustUserDefined04 :	Dec [15(2)-]	User Defined field

		CustUserDefined06		XMSYPK0.SYUSR4 XMSYPK0.SYUSR5 XMSYPK0.SYUSR6
		PackGroupings	Section	See the Packages section of the CreateShipment message.
		PackGrouping 	Section	
		OuterPackNumber	Char [35]	
		InnerPackNumber	Char [35]	

The following XML example shows the <Packages> section:

```

<Packages>
  <PackHeader>
    <PackNumber>0000010</PackNumber>
    <Description>Shoes</Description>
    <PackType>QBOX</PackType>
    <NoOfPacks>
      <Quantity>1</Quantity>
    </NoOfPacks>
    <PackWeight>
      <UOM>LB</UOM>
      <Weight>30</Weight>
    </PackWeight>
    <PackDimensions>
      <UOM>IN</UOM>
      <Length>15</Length>
      <Width>5</Width>
    </PackDimensions>
  </PackHeader>
</Packages>

```

```
        <Height>6</Height>
    </PackDimensions>
    <CODValue>
        <Currency>USD</Currency>
        <Value>200</Value>
    </CODValue>
    <InsuredValue>
        <Currency>USD</Currency>
        <Value>100</Value>
    </InsuredValue>
    <MarkAndNumbers lang="en-us">Stack upright</MarkAndNumbers>
</PackHeader>
<PackDetails>
    <PackNumber>0000010</PackNumber>
    <ItemLineNumber>0000010</ItemLineNumber>
    <ProductQuantity>
        <UOM>EA</UOM>
        <Quantity>20</Quantity>
    </ProductQuantity>
</PackDetails>
</Packages>
```

Section: Charges

The following table lists the elements in the <Charges> section:

Elements		Data Type	Description
Charges		Section	See the Charges section of the CreateShipment message.
	Charge 	Section	
	ChargeLineNumber	Int	
	ItemLineNumber	Int	
	ChargeCode	Char [6]	
	Description	Char [70]	
	ChargeAmount *	Section	
	BuyAmount *	Section	
	Currency *	Char [7]	
	Value *	Dec [15(2)-]	
	SellAmount *	Section	
	Currency *	Char [7]	
	Value *	Dec [15(2)-]	
	Invoiceable	Log	

The following XML example shows the <Charges> section:

```
<Charges>
  <Charge>
    <ChargeLineNumber>0000010</ChargeLineNumber>
    <ChargeCode>QHANDL</ChargeCode>
    <Description>Additional Packing Charge</Description>
    <ChargeAmount>
      <BuyAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </BuyAmount>
      <SellAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </SellAmount>
    </ChargeAmount>
  </Charge>
</Charges>
```

Section: Accessorials

The following table lists the elements in the <Accessorials> section:

Element	Data Type	Description
Accessorials	Section	See the Accessorials section of the CreateShipment message.
Accessorial	Section	
Line	Int	
Type	Char	
PackNumber	Char [35]	

The following XML example shows the <Accessorials> section:


```

<Accessorials>
  <Accessorial>
    <Line>0000010</Line>
    <Type>SaturdayDelivery</Type>
    <PackNumber>0000010</PackNumber>
  </Accessorial>
</Accessorials>

```

Section: Documents

The following table lists the elements in the <Documents> section:

Elements		Data Type	Description
Documents		Section	See the Documents section of the CreateShipment message.
	Document 	Section	
	Line	Int	
	PackNumber	Char [35]	
	PackLineNumber	Num [7]	
	Type	Char [2]	
	Reference	Char [10]	
	Copies	Int	
	TRAXPrinter	Char [10]	

The following XML example shows the <Documents> section:

```
<Documents>
  <Document>
    <Line>0000010</Line>
    <Type>20</Type>
    <Reference>INV2E</Reference>
    <Copies>1</Copies>
    <TRAXPrinter />
  </Document>
</Documents>
```

Section: Texts

The following table lists the elements in the <Texts> section:

Element		Data Type	Description
Texts		Section	See the Texts section of the CreateShipment message.
	Text ↻	Section	
	TextId	Char [4]	
	ItemLineNumber	Int [7]	
	TextValue	Char [2000]	

The following XML example shows the <Texts> section:


```

<Texts>
  <Text>
    <TextId>MARK</TextId>
    <ItemLineNumber>0</ItemLineNumber>
    <TextValue>Text mark</TextValue>
  </Text>
</Texts>

```

Section: Commodities

The following table lists the elements in the <Commodities> section:

Element		Data Type	Description
Commodities		Section	See the Commodities section of the CreateShipment message.
	Commodity 	Section	
	Line *	Int [7]	
	ClassificationGroup	Char [5]	
	CommodityCode	Char [22]	
	Description	Char [70]	
	CountryOfOrigin	Char [4]	
	ItemLineNumber	Int [7]	
	ExportCode	Char [3]	
	License	Section	
	Code	Char [3]	
	LicenseNo	Char [26]	
	ECCN	Char [20]	
	Origin	Char [1]	
	FirstQuantity	Section	
	UOMType	Char [6]	

		UOM	Char [3]
		Quantity	Dec [14(6)-]
		SecondQuantity	Section
		UOMType	Char [6]
		UOM	Char [3]
		Quantity	Dec [14(6)-]
		TotalValue	Section
		Currency	Char [7]
		Value	Dec [15(2)-]
		GrossWeight	Section
		UOM	Char [3]
		Weight	Dec [16(6)-]
		DDTCRegistrationNumber	Char [15]
		DDTCUSMLCategoryCode	Char [15]
		DDTCSMENumber	Char [1]
		DDTCEligiblePartyCertificationIndicator	Char [1]
		DDTCQuantity	Dec [14(6)-]

		DDTCQuantityUOM	Char [30]	
		Vehicles	Section	
		Vehicle ↻	Section	
		IdType	Char [2]	
		IdNumber	Char [25]	
		Title	Section	
		Number	Char [15]	
		State	Char [3]	
		Country	Char [4]	
		Description	Char [70]	
		TRAXUserDefined01 : TRAXUserDefined10	Char [30]	See Header section of the CreateShipment message. XMSVCL0.SVCPSL01 XMSDET0.SDPSL02 XMSDET0.SDPSL03 XMSDET0.SDPSL04 XMSDET0.SDPSL05 XMSDET0.SDPSL06 XMSDET0.SDPSL07 XMSDET0.SDPSL08 XMSDET0.SDPSL09 XMSDET0.SDPSL10

The following XML example shows the <Commodities> section:

```
<Commodities>
  <Commodity>
    <Line>0</Line>
    <ClassificationGroup />
    <CommodityCode />
    <Description />
    <CountryOfOrigin />
    <ItemLineNumber>0</ItemLineNumber>
    <ExportCode />
    <License>
      <Code />
      <LicenseNo />
      <ECCN />
    </License>
    <Origin />
    <FirstQuantity>
      <UOMType />
      <UOM />
      <Quantity>0</Quantity>
    </FirstQuantity>
    <SecondQuantity>
      <UOMType />
      <UOM />
      <Quantity>0</Quantity>
    </SecondQuantity>
    <TotalValue>
      <Currency />
    </TotalValue>
  </Commodity>
</Commodities>
```

```

        <Value>0.0</Value>
    </TotalValue>
    <GrossWeight>
        <UOM />
        <Weight>0.0</Weight>
    </GrossWeight>
    <DDTCRegistrationNumber />
    <DDTCUSMLCategoryCode />
    <DDTCSMENumber />
    <DDTCEligiblePartyCertificationIndicator />
    <DDTCQuantity>0</DDTCQuantity>
    <DDTCQuantityUOM />
    <Vehicles>
        <Vehicle>
            <IdType />
            <IdNumber />
            <Title>
                <Number />
                <State />
                <Country />
            </Title>
            <Description />
            <TRAXUserDefined01 />
            [...]
            <TRAXUserDefined05 />
        </Vehicle>
    </Vehicles>
    <TRAXUserDefined02 />
    [...]

```

```


    <TRAXUserDefined10 />

  </Commodity>
</Commodities>

```

Section: Vessels

The following table lists the elements in the <Vessels> section:

Element	Data Type	Description
Vessels	Section	See the Vessels section of the CreateShipment message.
Vessel 	Section	
Line *	Int [7]	
AssetId *	Char [20]	
TransportMode	Char [4]	
Nationality	Char [4]	
PortOfDeparture	Char [5]	
PortOfArrival	Char [5]	
DepartureDate	DateTime	
EstimatedDateOfArrival	DateTime	
ExportLeg	Log [1]	
TRAXUserDefined01 ⋮	Char [30]	See the Header section of the CreateShipment message.

	TRAXUserDefined05		XMSVSL0.SVPSL01 XMSVSL0.SVPSL02 XMSVSL0.SVPSL03 XMSVSL0.SVPSL04 XMSVSL0.SVPSL05
--	-------------------	--	---

The following XML example shows the <Vessels> section:

```

<Vessels>
  <Vessel>
    <Line>0</Line>
    <AssetId />
    <TransportMode />
    <Nationality />
    <PortOfDeparture />
    <PortOfArrival />
    <DepartureDate>2006-01-31T09:30:00-00:00</DepartureDate>
    <EstimatedDateOfArrival>2006-02-10T09:30:00-00:00 </EstimatedDateOfArrival>
    <ExportLeg>0</ExportLeg>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Vessel>
</Vessels>

```

Section: Containers

The following table lists the elements in the <Containers> section:


Elements		Data Type	Description
Containers		Section	See the Containers section of the CreateShipment message.
	Container ↻	Section	
	AssetId	Char [20]	
	AssetType	Char [16]	
	Nationality	Char [4]	
	RegistrationNumber	Char [14]	
	SealNumber	Char [20]	
	IncludeInFreightCalculation	Log [1]	
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSCNT0.SCPSL01 XMSCNT0.SCPSL02 XMSCNT0.SCPSL03 XMSCNT0.SCPSL04 XMSCNT0.SCPSL05

The following XML example shows the <Containers> section:

```
<Containers>
  <Container>
    <AssetId />
    <AssetType />
    <Nationality />
    <RegistrationNumber />
    <SealNumber />
    <IncludeInFreightCalculation>false</IncludeInFreightCalculation>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Container>
</Containers>
```

Section: DynamicFields

The following table lists the elements in the <DynamicFields> section:

Elements		Data Type	Description
DynamicFields		Section	See the DynamicFields section of the CreateShipment message.
	DynamicField 	Section	
	FieldNumber	Int [7]	
	TableName	Char [16]	
	FieldName	Char [20]	
	RecordSequence	Int [7]	
	FieldValue	Char [2000]	
	FieldValueDoubleByte	Char [2000]	
	SectionName	Char [20]	
	SectionField	Char [20]	
	SectionKey	Char [20]	
	VirtualField	Log [1]	

The following XML example shows the <DynamicFields> section:

```
<Dynamicfields>
  <Dynamicfield>
    <Fieldnumber>10</Fieldnumber>
    <Tablename>XMSHDRO</Tablename>
    <Fieldname>SHCORN</Fieldname>
    <Fieldvalue>TEST_CORN</Fieldvalue>
  </Dynamicfield>
  <Dynamicfield>
    <Fieldnumber>20</Fieldnumber>
    <Tablename>XMSITM0</Tablename>
    <Fieldname>SIEUR1</Fieldname>
    <Recordsequence>10</Recordsequence>
    <Fieldvalue>TEST_EUR1</Fieldvalue>
  </Dynamicfield>
  <Dynamicfield>
    <Fieldnumber>30</Fieldnumber>
    <Tablename>XMSITM0</Tablename>
    <Fieldname>SIEUR1</Fieldname>
    <Recordsequence>20</Recordsequence>
    <Fieldvalue>TEST_EUR2</Fieldvalue>
  </Dynamicfield>
</Dynamicfields>
```

Section: AlertNotifications

The following table lists the elements in the <AlertNotifications> section:

Elements		Data Type	Description
AlertNotifications		Section	See the AlertNotifications section of the CreateShipment message.
	AlertNotification 	Section	
	PackNumber	Char [35]	
	NotificationType	Char [40]	
	PhoneDetails	Section	
	FaxDetails	Section	
	AttentionName	Char [35]	
	EmailAddress	Char [250]	
	ReferenceType	Char [20]	
	Language	Char [10]	
	MemoText	Char [150]	
	FailureEmailAddress	Char [50]	

The following XML example shows the <AlertNotifications> section:

```
<AlertNotifications>
  <AlertNotification>
    <PackNumber />
    <NotificationType>DeliveryNotification</NotificationType>
    <PhoneDetails>
      <CountryCode>1</CountryCode>
      <AreaCode>111</AreaCode>
      <Phone>2323232</Phone>
      <Extension />
    </PhoneDetails>
    <FaxDetails>
      <CountryCode>1</CountryCode>
      <AreaCode>111</AreaCode>
      <Phone>3434343</Phone>
      <Extension />
    </FaxDetails>
    <AttentionName />
    <EmailAddress>jack.moloney@test.com</EmailAddress>
    <ReferenceType />
    <Language />
  </AlertNotification>
</AlertNotifications>
```

Section: InternalTracking

The following table lists the elements in the <InternalTracking> section:

Element			Data Type	Description
InternalTracking			Section	See the InternalTracking section of the CreateShipment message.
	LocationDetails		Section	
		LocationDetail	Section	
		LocationType *	Char [5]	
		AreaLocation	Char [30]	
		EmployeeID	Char [30]	
		RoomID	Char [30]	
		MailstopID	Char [30]	
		SiteID	Char [30]	

The following XML example shows the <InternalTracking> section:

```
<InternalTracking>
  <LocationDetails>
    <LocationDetail>
      <LocationType>FROM</LocationType>
      <AreaLocation>A00001</AreaLocation>
      <EmployeeID>x</EmployeeID>
      <RoomID />
      <MailstopID />
      <SiteID />
    </LocationDetail>
    <LocationDetail>
      <LocationType>TO</LocationType>
      <AreaLocation>B00001</AreaLocation>
      <EmployeeID>x</EmployeeID>
      <RoomID />
      <MailstopID />
      <SiteID />
    </LocationDetail>
  </LocationDetails>
</InternalTracking>
```

Section: InboundRequest

The following table lists the elements in the <InboundRequest> section:


Element	Data Type	Description
InboundRequest	Section	See the InboundRequest section of the CreateShipment message.
CreateInbound *	Log	
Service	Char	
PackingLocation	Char [5]	
Locale	Char [6]	
ReturnType	Char [20]	

The following XML example shows the <InboundRequest> section:

```
<InboundRequest>
  <CreateInbound>1</CreateInbound>
  <Service>UPSUS003</Service>
  <PackingLocation>A9902</PackingLocation>
  <Locale>QPSLBB</Locale>
</InboundRequest>
```

Section: WorkflowGroups

The following table lists the elements in the <WorkflowGroups> section:

Element		Data Type	Description
WorkflowGroups		Section	See the WorkflowGroups section of the CreateShipment message.
	WorkflowGroup 	Section	
	OwnerGroup	Char [16]	

The following XML example shows the <WorkflowGroups> section:

```
<WorkflowGroups>
  <WorkflowGroup>
    <OwnerGroup />
  </WorkflowGroup>
</WorkflowGroups>
```

Section: ImportHeader

The following table lists the elements in the <ImportHeader> section:

Element		Data Type	Description
ImportHeader		Section	See the ImportHeader section of the CreateShipment message.
	Dates	Section	
	ExportDate	DateTime	
	ImportDate	DateTime	
	EntryDate	DateTime	
	EntrySummaryDate	DateTime	
PortInfo		Section	
	PortCode	Char [30]	
	PortDescription	Char [30]	
	PortOfUnlading	Char [30]	
Fees		Section [30]	
	HarbourMaintenanceFee	Dec [15(2)-]	
	MerchandiseProcessingFee	Dec [15(2)-]	
ImportType		Char [6]	

	Destination	Char [40]	
	RelatedPartyIndicator	Log	
	BrokerFileNumber	Char [20]	
	ExportingCountry	Char [4]	
	ManufacturerID	Char [15]	
	ImportIdentificationNumber	Char [18]	
	TotalEnteredValue	Dec [15(2)-]	
	EntryCurrency	Char	
	EntryExchangeRate	Dec [15(2)-]	

The following XML example shows the <ImportHeader> section:


```

<ImportHeader>
  <Dates>
    <ExportDate>2006-01-31T09:30:00-00:00</ExportDate>
    <ImportDate>2006-01-31T09:30:00-00:00</ImportDate>
    <EntryDate>2006-01-31T09:30:00-00:00</EntryDate>
    <EntrySummaryDate>2006-01-31T09:30:00-00:00</EntrySummaryDate>
  </Dates>
  <PortInfo>
    <PortCode />
    <PortDescription />
    <PortOfUnlading />
  </PortInfo>
  <Fees>
    <HarbourMaintenanceFee>0</HarbourMaintenanceFee>
    <MerchandiseProcessingFee>0</MerchandiseProcessingFee>
  </Fees>
  <ImportType />
  <Destination />
  <RelatedPartyIndicator>0</RelatedPartyIndicator>
  <BrokerFileNumber />
  <ExportingCountry />
  <ManufacturerID />
  <ImportIdentificationNumber />
  <TotalEnteredValue>0</TotalEnteredValue>
  <EntryCurrency />
  <EntryExchangeRate>0</EntryExchangeRate>
</ImportHeader>

```

Section: Languages

The following table lists the elements in the <Languages> section:

Element		Data Type	Description
Languages		Section	See the Languages section of the CreateShipment message.
	Language 	Section	
	LangId *	Char [3]	
	Header	Section	
	DeliveryTerms	Section	
	Texts	Section	
	Parties	Section	
	Description	Char [40]	
	Items	Section	
	Packages	Section	
	Texts	Section	
	Commodities	Section	
	DynamicFields	Section	
	ImportHeader	Section	

The following XML example shows the <Languages> section:

```
<Languages>
  <Language>
    <LangId />
    <Header>
      <DeliveryTerms>
        <Description />
      </DeliveryTerms>
      <Texts>
        [...]
      </Texts>
      <Parties>
        [...]
      </Parties>
      <Description />
    </Header>
    <Items>
      <Item>
        [...]
      </Item>
    </Items>
    <Packages>
      [...]
    </Packages>
    <Texts>
      [...]
    </Texts>
    <Commodities>
```

```

        [...]
    </Commodities>
    <DynamicFields>
        [...]
    </DynamicFields>
    <ImportHeader>
        [...]
    </ImportHeader>
    </Language>
</Languages>
    
```

Section: Actions

The following table lists the elements in the <Actions> section:

Element		Data Type	Description
Actions		Section	See the Actions section of the CreateShipment message.
	Action * ↻	Section	
	Sequence *	Int [3]	
	Type *	Char [30]	
	Parameters	Section	
	Parameter *	Section	
	Name *	Char [50]	
	Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 4: ReprintShipment Message

This section describes the ReprintShipment API message.

Message Overview

Describes how the ReprintShipment message is typically used.

Message Sample

Provides a sample of the XML message.

ReprintShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ReprintShipment message is used to print documents or labels for a shipment in QAD GTTE.

This XML message contains the identification of the shipment and possibly the identification of specific packages, whose documents or labels are required to be printed.

The API processes the ReprintShipment message, and can perform the following actions, if applicable and requested:

- Print carrier labels for an existing rated or shipped shipment.
- Print selected QAD GTTE documents for an existing shipment.
- Return the carrier labels in the response.
- Return error codes and descriptions.
- Return labels and/or documentation as attachments.

All responses to the ReprintShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="utf-8" ?>
<ReprintShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ReprintShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId>PrecisionCSLNT19</LogicalId>
      <ReferenceId>QCONFIG</ReferenceId>
      <UniqueMessageId>Message0000001</UniqueMessageId>
    </Sender>
    <CreationDateTime>2005-04-04T09:30:47-00:00</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Reprint printLabels="true" printFileReturned="1" confirm="" printITLDocs="true"
collatePDFDocuments="0" />
  </DataArea>
</ReprintShipment>
```

```

    <Shipment>
      [...]
    </Shipment>
  </DataArea>
</ReprintShipment>

```

ReprintShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```

<Reprint printLabels="true" printFileReturned="1" confirm="" printTLDocs="true"
collatePDFDocuments="0" />

```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
printLabels	Determines if labels should be printed when there is a successful rating.
printTLDocs	Determines if international documents should be printed when there is a successful rating.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.
collatePDFDocuments	Determines if multiple PDF documents or labels should be returned as a single PDF attachment.

collatePDFMerge	Determines if PDF document pages or label pages are merged. Default value: 0
collatePDFMergeld	PDF Merge ID.

Section: Shipment

The following table lists the top elements in the ReprintShipment message, beginning at root element <Shipment>.

Element	Data Type	Description	
Shipment *	Section	Identifies the section containing data relating to the shipment.	
	TRAXClient *	See the Header section of the CreateShipment message .	
	TRAXShipmentTransactionType		Char [1]
	TRAXUser		Char [10]
	Shipper		Char [10]
	ShipmentReference		Char [10]
	TRAXDespatchNumber		Int [3]
	TRAXPrinter		Char [10]
	TRAXLocale		Char [6]
	Packages		See the Packages section of the CreateShipment message .
	Documents	See the Documents section of the CreateShipment message .	

Section: Packages

The following table lists the elements in the <Packages> section:

Element		Data Type	Description
Packages		Section	This section identifies the packages.
	PackHeader *	Section	See the Packages section of the CreateShipment message.
	PackNumber *	Char [3]	
	PackLineNumber	Num [7]	See the Documents section of the CreateShipment message.

The following XML example shows the <Packages> section:

```
<Packages>
  <PackHeader>
    <PackNumber />
    <PackLineNumber>0</PackLineNumber>
  </PackHeader>
</Packages>
```

Section: Documents

The following table lists the elements in the <Documents> section:

Element		Data Type	Description
Documents		Section	See the Documents section of the CreateShipment message.
	Document	Section	
	Line	Int	
	PackNumber	Char [35]	
	Type	Char [2]	
	Reference	Char [10]	
	Copies	Int	
	TRAXPrinter	Char [10]	

The following XML example shows the <Documents> section:

```

<Documents>
  <Document>
    <Line>0000010</Line>
    <Type>01</Type>
    <Reference>PACK1</Reference>
    <Copies>1</Copies>
    <TRAXPrinter />
  </Document>
</Documents>

```

Section: Actions

The following table lists the elements in the <Actions> section:

Elements				Data Type	Description
Actions				Section	See the Actions section of the CreateShipment message.
	Action *			Section	
		Sequence *		Int [3]	
		Type *		Char [30]	
	Parameters			Section	
		Parameter *		Section	
			Name *	Char [50]	
			Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 5: RateShopShipment Message

This section describes the RateShopShipment API message.

Message Overview

Describes how the RateShopShipment message is typically used.

Message Sample

Provides a sample of the XML message.

RateShopShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The RateShopShipment message is used to create a quote in QAD GTTE, with the subsequent processing to rate shop this quote to return a set of potential estimates of charges to the external application.

This XML message contains all the characteristics of the shipment required for shipping domestically or internationally.

The API processes the RateShopShipment message, and can perform the following actions:

- Apply rules to the shipment (if configured to do so)
- Apply restrictions to the set of services to shop (if requested to do so)
- Return the generated estimates of charges per service (if available)
- Return error codes and descriptions per service (if applicable)

The processing of the rate shop functionality depends on the configuration of a Routing Guide.

All responses to the RateShopShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<RateShopShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\RateShopShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
```

```

<DataArea>
  <RateShop create="true" confirm="" breakdownChargesReturned="0" />
  <Shipment>
    [...]
  </Shipment>
</DataArea>
</RateShopShipment>

```

RateShopShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```

<RateShop create="true" confirm="" breakdownChargesReturned="0" />

```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
create	Not in use at this time. The default value is 1 to create.
printLabels	Determines if labels should be printed when there is a successful rating.
printITLDocs	Determines if international documents should be printed when there is a successful rating.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.

breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable.
emailErrors	Determines if rating errors are e-mailed to a user, if configured for this functionality.
diaryErrors	Determines if rating errors are sent to the QAD GTTE diary, if configured for this functionality.
createDespatchMaster	Determines if a Master shipment needs to be created for this Despatch message. This means that the XML message contains all of the item information for the Master shipment, but the packing information only relates to the Despatch.
collatePDFDocuments	Determines if multiple PDF documents or labels should be returned as a single PDF attachment.
collatePDFMerge	Determines if PDF document or label pages are merged.
collatePDFMergeID	PDF Merge ID.

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Root element. Identifies the section that contains data relating to the shipment.
Header *	Section	Contains the Shipment Header details.
Items	Section	This section is for product information that may be required for interfacing for the purposes of invoicing, packing lists, or carrier requirements.
Packages *	Section	This section identifies the packages being shipped. This is a mandatory section for SPS or LTL shipping.
Charges	Section	This section indicates charges that are already calculated from a system external to QAD GTTE, and are required to be appended to the shipment in QAD GTTE.
Accessorials	Section	This section defines shipment characteristics that relate to specific indicators on the carrier label, or for determining additional rates for the shipment. Multiple or no accessorials may be applicable to the shipment.
Documents	Section	This section specifies the documents that must be printed for this shipment. <i>Note</i> Documents will only be printed if the printITLDocs is set to YES in the Ship section.
Texts	Section	This section indicates the texts for this shipment.

	Commodities	Section	This section indicates the commodities for this shipment.
	Vessels	Section	This section indicates the vessels for this shipment.
	Containers	Section	This section indicates the containers for this shipment.

Section: Header

The following table lists the elements in the <Header> section:

Element	Data Type	Description
Header *	Section	See the Header section of the CreateShipment message.
TRAXClient *	Char [3]	
TRAXShipmentTransactionType	Char [1]	
Shipper	Char [10]	
TRAXDespatchNumber	Int [3]	
TRAXUser	Char [10]	
TRAXWorkflow	Char [10]	
TRAXPrinter	Char [10]	
TRAXLocale	Char [6]	
ShipmentType	Char [2]	
ShipmentLanguage	Char [3]	
BaseCurrency	Section	
Currency	Char [7]	
ExchangeRate	Dec	
ShipmentCurrency	Section	

	Currency	Char [7]
	ExchangeRate	Dec [15(7)-]
	DeliveryTerms	Section
	TermCode	Char [3]
	Description	Char [50]
	Distance	Section
	UOM *	Char [3]
	Value *	Dec [9(3)-]
	PaymentTerms	Section
	TermCode	Char [8]
	Description	Char [40]
	Service *	Char [30]
	ServiceInterim	Char [20]
	ServiceBillable	Char [30]
	ServiceBillableDiff	Log
	TransportMode	Char [4]
	PackingLocation *	Char [5]
	PaymentType	Char
	DutyPaymentType	Char

	DutyPaymentAccount	Char [20]
	DutyPaymentAccountCountry	Char [4]
	CODDetails	Section
	CODPaymentMethod	Char
	Currency	Char [7]
	CreditCard	Section
	Type	Char [20]
	Number	Char [16]
	Expiry	Char [5]
	InsuranceType	Char [50]
	VerbalConfirm	Section
	Name	Char [30]
	PhoneDetails	Section
	CountryCode	Char [5]
	AreaCode	Char [6]
	Phone	Char [30]
	Extension	Char [5]
	SEDDetails	Section
	Applicable	Char [1]

	ExportInformationCode	Char [3]
	RoutedTransaction	Log [1]
	AESTransactionNumber	Char [15]
	RelatedPartyIndicator	Log [1]
	BookingNumber	Char [18]
	ForeignTradeZone	Char [5]
	PlaceOfLoading	Char [30]
	PlaceOfDestination	Char [30]
	InTransitNumber	Char [18]
	InBondCode	Char [10]
	Texts	Section
	SpecialInstructionsText	Char [2000]
	InvoiceDeclarationText	Char [2000]
	InvoiceAdditionalComments	Char [2000]
	Dates	Section
	DespatchDate *	DateTime
	DepartureDate	DateTime
	EstimatedDateOfArrival	DateTime

	References	Section
	ShipmentReference	Char [10]
	QuoteReference	Char
	InvoiceNumber	Char [18]
	CertificateOfOriginNumber	Char [15]
	TrackingLocationID	Char
	OtherReference	Char [30]
	CustomsReference	Char [18]
	ForwardersReference	Char [30]
	BuyersReference	Char [35]
	OrderReference	Char [30]
	AdditionalReference	Char [20]
	BillOfLadingNumber	Char [35]
	MasterAirWaybill	Char [18]
	HouseAirWaybill	Char [18]
	Parties	Section
	Party *	Section
	Description	Char [40]
	CostCentre	Char [30]

	RequiredDeliveryInfo	Section	
	EarliestDeliveryDateTime	DateTime	
	LatestDeliveryDateTime	DateTime	
	SortCriteria	Char	See the Sort Criteria section to view the possible values.
	ApplyRequiredDeliveryDateCheck	Log	Determines whether the routing results are filtered based on the Required Delivery Date. This means that results with an ETA date that is after the Required Delivery Date are excluded.
	ShopSingleService	Log	Determines whether the rate shipping should only shop the service that is assigned to the shipment, and exclude other services from the routing guide.
	PreferredService	Char [20]	Determines the preferred service on the shipment, against which other services will be compared. This can be used to exclude services from the shopping results that are later or more expensive than the preferred service.
	NumberOfDeliveries	Int [10]	See the Header section of the CreateShipment message.
	TRAXUserDefined01 : TRAXUserDefined05	Char [35]	
	CustUserDefined01 : CustUserDefined12	Char [40]	
	CustUserDefined13 :	Int [9]	

CustUserDefined14		
-------------------	--	--

The following XML example shows the <Header> section:

```

<Header>
  <TRAXClient>TGL</TRAXClient>
  <TRAXUser>QCONFIG</TRAXUser>
  <TRAXWorkflow>13</TRAXWorkflow>
  <TRAXPrinter />
  <TRAXLocale>QPDFML</TRAXLocale>
  <ShipmentType>13</ShipmentType>
  <ShipmentLanguage>ENG</ShipmentLanguage>
  <BaseCurrency>
    <Currency>USD</Currency>
    <ExchangeRate>1.0</ExchangeRate>
  </BaseCurrency>
  <ShipmentCurrency>
    <Currency>USD</Currency>
    <ExchangeRate>1.0</ExchangeRate>
  </ShipmentCurrency>
  <DeliveryTerms>
    <TermCode>EXW</TermCode>
    <Description>Ex Works</Description>
  </DeliveryTerms>
  <PaymentTerms>
    <TermCode>NET30</TermCode>
    <Description>Net 30 Days</Description>
  </PaymentTerms>

```

```

<Service>UPSUS001</Service>
<TransportMode>Air</TransportMode>
<PackingLocation>A9901</PackingLocation>
<PaymentType>PREPAID</PaymentType>
<EarliestDeliveryTime>00:00</EarliestDeliveryTime>
<InsuranceType />
<Texts>
    <SpecialInstructionsText>Make sure to call before
delivery.</SpecialInstructionsText>
    <InvoiceDeclarationText />
    <InvoiceAdditionalComments>See packing list for
details.</InvoiceAdditionalComments>
</Texts>
<Dates>
    <DespatchDate>2006-03-24T15:30:47-00:00</DespatchDate>
</Dates>
<References>
    <ShipmentReference />
    <QuoteReference>QN11223344</QuoteReference>
    <InvoiceNumber>INV00000020</InvoiceNumber>
    <CertificateOfOriginNumber>US0000001</CertificateOfOriginNumber>
    <TrackingLocationID />
    <OtherReference>395003123</OtherReference>
    <CustomsReference>498230001</CustomsReference>
    <ForwardersReference>A12233445566</ForwardersReference>
    <BuyersReference>B12233445566</BuyersReference>
    <AdditionalReference>C12233445566</AdditionalReference>
</References>
<Parties>
    [...]

```

```

</Parties>
<Description>013_ShipShipment_US_Domestic_with_Return</Description>
<TRAXUserDefined01 />
[...]
<TRAXUserDefined05 />
</Header>

```

Sort Criteria

The possible values associated with the SortCriteria element are listed in the table below.

Sort Criteria	Description
Cheapest	The cheapest route.
Fastest	The fastest route
CheapestAndFastest	The cheapest and fastest route.
CarrierPerformance	The services are returned in the order of the Carrier Performance setting, if this is configured for the carriers used.
ServicePreference	The services returned in the order of the preference weighting set in the Routing Guide, then by cheapest cost within those with the same preference weighting
ServicePreferenceSuccess	The services returned in the order of successfully rated services first, then in order of the preference weighting set in the Routing Guide, then by cheapest cost within those with the same preference weighting

Section: Parties

The following table lists the elements in the <Parties> section:

Element		Data Type	Description
Parties		Section	See the Parties section of the CreateShipment message.
	Party *	Section	
	PartyType *	Char	
	PartyId	Section	
	ID	Char [20]	
	VATNr	Char[28]	
	EIN	Char [18]	
	SSN	Char [11]	
	DUNS	Char [9]	
	Name	Char [40]	
	Contact	Char [40]	
	PartyAddress	Section	
	AddressLine	Char [40]	
	City	Char [30]	
	StateOrProvince	Char [3]	
	County	Char [20]	

		Country	Char [4]	
		PostalCode	Char [10]	
		PhoneDetails	Section	
		CountryCode	Char [4]	
		AreaCode	Char [6]	
		Phone	Char [30]	
		Extension	Char [5]	
		FaxDetails	Section	
		CountryCode	Char [4]	
		AreaCode	Char [6]	
		Phone	Char [10]	
		Extension	Char [5]	
		EmailAddress	Char [50]	
		CarrierAccount	Char [20]	
		IATACode	Char [8]	
		TRAXUserDefined01 : TRAXUserDefined05	Char [35]	See the Header section of the CreateShipment message.
		CustUserDefined01 : CustUserDefined09	Char [40]	See the Parties section of the CreateShipment message.

The following XML example shows the <Parties> section:

```

<Parties>
  <Party>
    <PartyType>Shipper</PartyType>
    <PartyId>
      <Id />
      <VATNr />
      <EIN />
      <SSN />
      <DUNS />
    </PartyId>
    <Name>GTTE</Name>
    <Contact>John Smith</Contact>
    <PartyAddress>
      <AddressLine>651 W. Washington Blvd</AddressLine>
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <AddressLine />
      <City>CHICAGO</City>
      <StateOrProvince>IL</StateOrProvince>
      <County />
      <Country>US</Country>
      <PostalCode>60610</PostalCode>
    </PartyAddress>
    <PhoneDetails>
      <CountryCode>1</CountryCode>
      <AreaCode>312</AreaCode>
    </PhoneDetails>
  </Party>
</Parties>

```

```
        <Phone>3347777</Phone>
        <Extension />
    </PhoneDetails>
    <FaxDetails>
        <CountryCode>1</CountryCode>
        <AreaCode>312</AreaCode>
        <Phone>3348888</Phone>
        <Extension />
    </FaxDetails>
    <EmailAddress>john@email.com</EmailAddress>
    <CarrierAccount />
    <IATACode />
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
    <CustUserDefined01 />
    [...]
    <CustUserDefined05 />
</Party>
</Parties>
```

Section: Items

The following table lists the elements in the <Items> section:

Element		Data Type	Descriptions
Items		Section	See the Items section of the CreateShipment message.
	Item	Section	
	ItemLineNumber	Int [7]	
	Product	Section	
	ProductCode	Char [25]	
	FDAProductCode	Char [25]	
	CustomerProduct	Char [30]	
	Commodity	Section	
	Type	Char	
	CommodityCode	Char	
	ImportCommodity	Section	
	Type	Char	
	CommodityCode	Char	
	Description	Char [2000]	
	CommodityLineNumber	Int [7]	

			ProductQuantity	Section
			UOM	Char [3]
			Quantity	Dec [14(6)-]
			ItemOrderType	Char [5]
			OrderQuantity	Section
			Quantity	Dec [14(6)-]
			ItemOrderNumber	Int [9-]
			ItemOrderLine	Int [9-]
			ProductWeight	Section
			UOM	Char [3]
			Weight	Dec [16(6)-]
			NetWeight	Dec [16(6)-]
			ProductDimensions	Section
			UOM	Char [3]
			Length	Dec [8(4)-]
			Width	Dec [8(4)-]
			Height	Dec [8(4)-]
			ProductVolume	Section
			UOM	Char [3]

			Volume	Dec [16(6)-]
			ProductLoadSpace	Section
			UOM	Char [3]
			Quantity	Dec [13(6)-]
			UnitPrice	Section
			Amount	Section
			Currency	Char [7]
			Value	Dec [16(6)-]
			PerQuantity	Section
			Quantity	Dec
			UOM	Char
			ExtendedPrice	Section
			Amount	Section
			Currency	Char [7]
			Value	Dec [15(2)-]
			Tax	Section
			LineNumber	Int
			TaxCode	Char
			TaxJurisdiction	

				TaxAmount	Char
				Currency	Char
				Value	Dec [15(2)-]
				TotalAmount	Section
				Amount	Section
				Currency	Char [7]
				Value	Dec [15(2)-]
				License	Section
				Exception	Char
				LicenseNo	Char
				EffectiveDate	Date
				ExpiryDate	Date
				Type	Char
				ECCNs	Section
				ECCN	Char
				ExportGroup *	Char [5]
				ECCN	Char [20]
				Exception	Char [5]
				MinimumValue	Dec [15(2)-]

				MaximumValue	Dec [15(2)-]
				Currency	Char [7]
				Description	Char [40]
				CountryOfOrigin	Char [4]
				FreightClass	Char [4]
				NMFC_Code	Char [22]
				References	Section
				OrderReference	Char [30]
				BuyersReference	Char [35]
				InvoiceNumber	Char [35]
				InvoiceDate	DateTime
				LotAllocations	Section
				LotAllocation *	Section
				LotLineNumber *	Int [7]
				LotNumber	Char [30]
				Location	Char [10]
				BatchNumber	Char [10]
				ManufactureDate	Date
				EndDate	Date
				Warehouse	Char [3]

				Comments	Char [30]	
				LotQuantity	Dec [14(6)]	
				Container	Char [14]	
				CountryOfOrigin	Char [5]	
				TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment Message XMSLOT0.SLPSL01 XMSLOT0.SLPSL02 XMSLOT0.SLPSL03 XMSLOT0.SLPSL04 XMSLOT0.SLPSL05
				ItemOrigin	Char [1]	See the Items section of the CreateShipment message.
				HazMatInfo	Section	
				Dangerous *	Log	
				UNNumber *	Char [4]	
				InnerQuantity	Section	
				UOM	Char [16]	
				Quantity	Dec	
				OuterQuantity	Section	
				UOM	Char [16]	
				Quantity	Dec	
				SerialNumbers	Section	

			SerialNumber	Section
			LotLineNumber	Int [7]
			SerialNo	Char [20]
			ImportInfo	Section
			Fees	Section
			HarbourMaintenanceFee	Dec [15(2)-]
			MerchandiseProcessing Fee	Dec [15(2)-]
			AntiDumpingAssessmentFee	Dec [15(2)-]
			CounterVeilingDutyFee	Dec [15(2)-]
			OtherFee	Dec [15(2)-]
			TotalFee	Dec [15(2)-]
			Duty	Section
			DutyRate	Dec [15(2)-]
			DutyPaid	Dec [15(2)-]
			DutiableValue	Dec [15(2)-]
			SpecialProgramsIndicators	Section
			Indicator1	Char [30]

				Indicator2	Char [30]	
				Qualifiers	Section	
				Qualifier	Section	
				Type	Char	
				Value	Char [20]	
				TotalEnteredValue	Dec [15(2)-]	
				AdditionalValue	Dec [15(2)-]	
				NonDutiableCalcValue	Dec [15(2)-]	
				RulingNumber	Char [15]	
				FDAComments	Char [200]	
				SerialControlType	Char	
				BondStatus	Char [16]	
				TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSITM0.SIPSL01 XMSITM0.SIPSL02 XMSITM0.SIPSL03 XMSITM0.SIPSL04 XMSITM0.SIPSL05
				CustUserDefined01 : CustUserDefined09	Char [40]	User-defined field XMSITM0.SIUSR1

					XMSITM0.SIUSR2
					XMSITM0.SIUSR3
					XMSITM0.SIUSR4
					XMSITM0.SIUSR5
					XMSITM0.SIUSR6
					XMSITM0.SIUSR7
					XMSITM0.SIUSR8
					XMSITM0.SIUSR9

The following XML example shows the <Items> section:

```

<Items>
  <Item>
    <ItemLineNumber>0000010</ItemLineNumber>
    <Product>
      <ProductCode>PROD0001</ProductCode>
      <CustomerProduct>CUSTPROD0001</CustomerProduct>
      <Description>Shoes</Description>
    </Product>
    <ProductQuantity>
      <UOM>EA</UOM>
      <Quantity>20</Quantity>
    </ProductQuantity>
    <ProductWeight>
      <UOM>LB</UOM>
      <Weight>1</Weight>
    </ProductWeight>
    <ProductDimensions>
      <UOM>IN</UOM>
      <Length>1.5</Length>
      <Width>2</Width>
    </ProductDimensions>
  </Item>
</Items>

```

```
        <Height>2</Height>
    </ProductDimensions>
    <ProductVolume>
        <UOM>IN3</UOM>
        <Volume>4</Volume>
    </ProductVolume>
    <UnitPrice>
        <Amount>
            <Currency>USD</Currency>
            <Value>10</Value>
        </Amount>
        <PerQuantity>
            <Quantity>1.0</Quantity>
            <UOM>EA</UOM>
        </PerQuantity>
    </UnitPrice>
    <ExtendedPrice>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </ExtendedPrice>
    <TotalAmount>
        <Amount>
            <Currency>USD</Currency>
            <Value>200</Value>
        </Amount>
    </TotalAmount>
    <CountryOfOrigin>US</CountryOfOrigin>
    <FreightClass />
    <References>
        <OrderReference>Order001</OrderReference>
```

```
        <BuyersReference>BuyerRef001</BuyersReference>
    </References>
</Item>
</Items>
```

Section: Packages

The following table lists the elements in the <Packages> section:

Element	Data Type	Description	
Packages *	Section	See the Packages section of the CreateShipment message.	
	PackHeader *		Section
	PackNumber *		Char [35]
	Description		Char [2000]
	PackType		Char [16]
	NoOfPacks *		Section
	Quantity *		Int
	PackWeight *		Section
	UOM		Char [3]
	Weight *		Dec [16(6)-]
	TareWeight		Dec [16(6)-]
	NetWeight		Dec [16(6)-]
	NetNetWeight		Dec [16(6)-]

		PackDimensions	Section
		UOM	Char
		Length	Dec
		Width	Dec
		Height	Dec
		PackVolume	Section
		UOM	Char
		Volume	Dec [16(6)-]
		PackLoadSpace	Section
		UOM	Char [3]
		Quantity	Dec [13(6)-]
		CODValue	Section
		Currency	Char [7]
		Value	Dec [15(2)-]
		InsuredValue	Section
		Currency	Char
		Value	Dec [15(2)-]

	MarkAndNumbers	Char [30]	
	TrackingNumber	Char [35]	
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment Message XMSXPK0.SXPSL01 XMSXPK0.SXPSL02 XMSXPK0.SXPSL03 XMSXPK0.SXPSL04 XMSXPK0.SXPSL05
	PackDetails	Section	See the Packages section of the CreateShipment message.
	PackNumber *	Char [35]	
	ItemLineNumber *	Int [7]	
	ProductQuantity	Section	
	UOM	Char [3]	
	Quantity	Dec	
	SerialNo	Char [20]	
	CustUserDefined01 : CustUserDefined03	Char [20]	User-defined field XMSYPK0.SYUSR XMSYPK0.SYUSR2 XMSYPK0.SYUSR3
	CustUserDefined04 :	Dec [15(2)-]	User Defined field

		CustUserDefined06		XMSYPK0.SYUSR4 XMSYPK0.SYUSR5 XMSYPK0.SYUSR6
		PackGroupings	Section	See the Packages section of the CreateShipment message.
		PackGrouping	Section	
		OuterPackNumber	Char [35]	
		InnerPackNumber	Char [35]	

The following XML example shows the <Packages> section:

```

<Packages>
  <PackHeader>
    <PackNumber>0000010</PackNumber>
    <Description>Shoes</Description>
    <PackType>QBOX</PackType>
    <NoOfPacks>
      <Quantity>1</Quantity>
    </NoOfPacks>
    <PackWeight>
      <UOM>LB</UOM>
      <Weight>30</Weight>
    </PackWeight>
    <PackDimensions>
      <UOM>IN</UOM>
      <Length>15</Length>
      <Width>5</Width>
    </PackDimensions>
  </PackHeader>
</Packages>

```

```
        <Height>6</Height>
    </PackDimensions>
    <CODValue>
        <Currency>USD</Currency>
        <Value>200</Value>
    </CODValue>
    <InsuredValue>
        <Currency>USD</Currency>
        <Value>100</Value>
    </InsuredValue>
    <MarkAndNumbers lang="en-us">Stack upright</MarkAndNumbers>
</PackHeader>
<PackDetails>
    <PackNumber>0000010</PackNumber>
    <ItemLineNumber>0000010</ItemLineNumber>
    <ProductQuantity>
        <UOM>EA</UOM>
        <Quantity>20</Quantity>
    </ProductQuantity>
</PackDetails>
</Packages>
```

Section: Charges

The following table lists the elements in the <Charges> section:

Elements		Data Type	Description
Charges		Section	See the Charges section of the CreateShipment message.
	Charge	Section	
	ChargeLineNumber	Int	
	ItemLineNumber	Int	
	ChargeCode	Char [6]	
	Description	Char [70]	
	ChargeAmount *	Section	
	BuyAmount *	Section	
	Currency *	Char [7]	
	Value *	Dec [15(2)-]	
	SellAmount *	Section	
	Currency *	Char [7]	
	Value *	Dec [15(2)-]	
	Invoiceable	Log	

The following XML example shows the <Charges> section:

```
<Charges>
  <Charge>
    <ChargeLineNumber>0000010</ChargeLineNumber>
    <ChargeCode>QHANDL</ChargeCode>
    <Description>Additional Packing Charge</Description>
    <ChargeAmount>
      <BuyAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </BuyAmount>
      <SellAmount>
        <Currency>USD</Currency>
        <Value>7</Value>
      </SellAmount>
    </ChargeAmount>
  </Charge>
</Charges>
```

Section: Accessorials

The following table lists the elements in the <Accessorials> section:

Element	Data Type	Description
Accessorials	Section	See the Accessorials section of the CreateShipment message.
Accessorial	Section	
Line	Int	
Type	Char	
PackNumber	Char [35]	

The following XML example shows the <Accessorials> section:

```
<Accessorials>
  <Accessorial>
    <Line>0000010</Line>
    <Type>SaturdayDelivery</Type>
    <PackNumber>0000010</PackNumber>
  </Accessorial>
</Accessorials>
```

Section: Documents

The following table lists the elements in the <Documents> section:

Elements		Data Type	Description
Documents		Section	See the Documents section of the CreateShipment message.
	Document	Section	
	Line	Int	
	PackNumber	Char [35]	
	PackLineNumber	Num [7]	
	Type	Char [2]	
	Reference	Char [10]	
	Copies	Int	
	TRAXPrinter	Char [10]	

The following XML example shows the <Documents> section:

```

<Documents>
  <Document>
    <Line>0000010</Line>
    <Type>20</Type>
    <Reference>INV2E</Reference>
    <Copies>1</Copies>
    <TRAXPrinter />
  </Document>
</Documents>

```

Section: Texts

The following table lists the elements in the <Texts> section:

Element		Data Type	Description
Texts		Section	See the Texts section of the CreateShipment message.
	Text	Section	
	TextId	Char [4]	
	ItemLineNumber	Int [7]	
	TextValue	Char [2000]	

The following XML example shows the <Texts> section:

```

<Texts>
  <Text>
    <TextId>MARK</TextId>
    <ItemLineNumber>0</ItemLineNumber>
    <TextValue>Text mark</TextValue>
  </Text>
</Texts>

```

Section: Commodities

The following table lists the elements in the <Commodities> section:

Element		Data Type	Description
Commodities		Section	See the Commodities section of the CreateShipment message.
	Commodity	Section	
	Line *	Int [7]	
	ClassificationGroup	Char [5]	
	CommodityCode	Char [22]	
	Description	Char [70]	
	CountryOfOrigin	Char [4]	
	ItemLineNumber	Int [7]	
	ExportCode	Char [3]	
	License	Section	
	Code	Char [3]	
	LicenseNo	Char [26]	
	ECCN	Char [20]	
	Origin	Char [1]	
	FirstQuantity	Section	
	UOMType	Char [6]	

		UOM	Char [3]
		Quantity	Dec [14(6)-]
		SecondQuantity	Section
		UOMType	Char [6]
		UOM	Char [3]
		Quantity	Dec [14(6)-]
		TotalValue	Section
		Currency	Char [7]
		Value	Dec [15(2)-]
		GrossWeight	Section
		UOM	Char [3]
		Weight	Dec [16(6)-]
		DDTCRegistrationNumber	Char [15]
		DDTCUSMLCategoryCode	Char [15]
		DDTCSMENumber	Char [1]
		DDTCEligiblePartyCertificationIndicator	Char [1]
		DDTCQuantity	Dec [14(6)-]

		DDTCQuantityUOM	Char [30]	
		Vehicles	Section	
		Vehicle	Section	
		IdType	Char [2]	
		IdNumber	Char [25]	
		Title	Section	
		Number	Char [15]	
		State	Char [3]	
		Country	Char [4]	
		Description	Char [70]	
		TRAXUserDefined01 : TRAXUserDefined10	Char [30]	<p>See the Header section of the CreateShipment message.</p> <p>XMSVCL0.SVCPSL01 XMSDET0.SDPSL02 XMSDET0.SDPSL03 XMSDET0.SDPSL04 XMSDET0.SDPSL05 XMSDET0.SDPSL06 XMSDET0.SDPSL07 XMSDET0.SDPSL08 XMSDET0.SDPSL09 XMSDET0.SDPSL10</p>

The following XML example shows the <Commodities> section:

```
<Commodities>
  <Commodity>
    <Line>0</Line>
    <ClassificationGroup />
    <CommodityCode />
    <Description />
    <CountryOfOrigin />
    <ItemLineNumber>0</ItemLineNumber>
    <ExportCode />
    <License>
      <Code />
      <LicenseNo />
      <ECCN />
    </License>
    <Origin />
    <FirstQuantity>
      <UOMType />
      <UOM />
      <Quantity>0</Quantity>
    </FirstQuantity>
    <SecondQuantity>
      <UOMType />
      <UOM />
      <Quantity>0</Quantity>
    </SecondQuantity>
    <TotalValue>
      <Currency />

```

```

        <Value>0.0</Value>
    </TotalValue>
    <GrossWeight>
        <UOM />
        <Weight>0.0</Weight>
    </GrossWeight>
    <DDTCRegistrationNumber />
    <DDTCUSMLCategoryCode />
    <DDTCSMENumber />
    <DDTCEligiblePartyCertificationIndicator />
    <DDTCQuantity>0</DDTCQuantity>
    <DDTCQuantityUOM />
    <Vehicles>
        <Vehicle>
            <IdType />
            <IdNumber />
            <Title>
                <Number />
                <State />
                <Country />
            </Title>
            <Description />
            <TRAXUserDefined01 />
            [...]
            <TRAXUserDefined05 />
        </Vehicle>
    </Vehicles>
    <TRAXUserDefined02 />
    [...]

```

```

    <TRAXUserDefined10 />
  </Commodity>
</Commodities>

```

Section: Vessels

The following table lists the elements in the <Vessels> section:

Element	Data Type	Description
Vessels	Section	See the Vessels section of the CreateShipment message.
Vessel	Section	
Line *	Int [7]	
AssetId *	Char [20]	
TransportMode	Char [4]	
Nationality	Char [4]	
PortOfDeparture	Char [5]	
PortOfArrival	Char [5]	
DepartureDate	DateTime	
EstimatedDateOfArrival	DateTime	
ExportLeg	Log [1]	

			See the Header section of the CreateShipment Message.
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	XMSVSL0.SVPSL01 XMSVSL0.SVPSL02 XMSVSL0.SVPSL03 XMSVSL0.SVPSL04 XMSVSL0.SVPSL05

The following XML example shows the <Vessels> section:

```

<Vessels>
  <Vessel>
    <Line>0</Line>
    <AssetId />
    <TransportMode />
    <Nationality />
    <PortOfDeparture />
    <PortOfArrival />
    <DepartureDate>2006-01-31T09:30:00-00:00</DepartureDate>
    <EstimatedDateOfArrival>2006-02-10T09:30:00-00:00 </EstimatedDateOfArrival>
    <ExportLeg>0</ExportLeg>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Vessel>
</Vessels>

```

Section: Containers

The following table lists the elements in the <Containers> section:

Elements		Data Type	Description
Containers		Section	See the Containers section of the CreateShipment message.
	Container	Section	
	AssetId	Char [20]	
	AssetType	Char [16]	
	Nationality	Char [4]	
	RegistrationNumber	Char [14]	
	SealNumber	Char [20]	
	IncludeInFreightCalculation	Log [1]	
	TRAXUserDefined01 ⋮ TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment Message. XMSCNT0.SCPSL01 XMSCNT0.SCPSL02 XMSCNT0.SCPSL03 XMSCNT0.SCPSL04 XMSCNT0.SCPSL05

The following XML example shows the <Containers> section:

```
<Containers>
  <Container>
    <AssetId />
    <AssetType />
    <Nationality />
    <RegistrationNumber />
    <SealNumber />
    <IncludeInFreightCalculation>false</IncludeInFreightCalculation>
    <TRAXUserDefined01 />
    [...]
    <TRAXUserDefined05 />
  </Container>
</Containers>
```

Chapter 6: VoidShipment Message

This section describes the VoidShipment API message.

Message Overview

Describes how the VoidShipment message is typically used.

Message Sample

Provides a sample of the XML message.

VoidShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The VoidShipment message is used to void a shipment in QAD GTTE. The rates and tracking numbers of the shipment are removed and there is an option to delete the shipment from the QAD GTTE database.

This XML message contains a reference to an existing QAD GTTE shipment that is required to be voided. It is necessary to void a shipment so that it is excluded from the End-of-Day processing. A void message must first be sent for a rated or shipped shipment reference, before the same shipment reference can be processed again as a ShipShipment message. The API processes the VoidShipment message, and can perform the following actions, if applicable and requested:

- Remove the tracking numbers from a shipment, if they exist.
- Remove the estimated charges from a shipment, if they exist.
- Remove the shipment from being eligible for EOD processing.
- Return error codes and descriptions.
- Remove the shipment from the QAD GTTE database.

All responses to the VoidShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<VoidShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\VoidShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Void confirm="" delete="0" />
  </DataArea>
</VoidShipment>
```

```

    <Shipment>
      [...]
    </Shipment>
  </DataArea>
  <Actions>
    [...]
  </Actions>
</VoidShipment>

```

VoidShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment when it is being voided.

```
<Void confirm="" delete="0" />
```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time. Default value: 1
delete	Determines if the shipment should be deleted after a successful void.

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Identifies the section that contains data relating to the shipment.
TRAXClient	Char [3]	Indicates QAD GTTE client used to retrieve the shipment record. If not passed, the QAD GTTE session start user default client will be used. <code>CL</code> XMSHDR0.CLIENT
TRAXShipmentTransactionType	Char [1]	See the Header section of the CreateShipment message.
TRAXUser	Char [10]	
Shipper	Char [10]	
ShipmentReference *	Char [10]	
TRAXDespatchNumber	Int [3]	
Packages *	Section	This section identifies the individual package being voided
PackHeader *	Section	See the Packages section of the CreateShipment message.
PackNumber *	Char [35]	

The following XML example shows the <Shipment> section:

```
<Shipment>
  <TRAXClient>Str</TRAXClient>
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <TRAXUser />
  <Shipper />
  <ShipmentReference />
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <Packages>
    <PackHeader>
      <PackNumber />
      <PackLineNumber>0</PackLineNumber>
    </PackHeader>
  </Packages>
</Shipment>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Element		Data Type	Description
Actions		Section	See the Actions section of the CreateShipment message.
	Action * ↻	Section	
	Sequence *	Int [3]	
	Type *	Char [30]	
	Parameters	Section	
	Parameter *	Section	
	Name *	Char [50]	
	Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 7: UpdateShipment Message

This section describes the UpdateShipment API message.

Message Overview

Describes how the UpdateShipment message is typically used.

Message Sample

Provides a sample of the XML message.

UpdateShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The UpdateShipment message is used to update a shipment in QAD GTTE. A limited set of fields can be updated on the shipment even after the shipment has been rated or shipped.

This XML message contains a reference to an existing QAD GTTE shipment that requires an update. Updating a shipment can be required to set particular reference fields, the values of which may only be known later in the shipping process. For example, when a package is placed on a truck, the truck number reference on a shipment may need to be updated. The API processes the UpdateShipment message, and can perform the following actions, if applicable and requested:

- Update specific reference fields on the shipment header.
- Update specific reference fields on the shipment item.
- Update pack weights and values for existing packs.
- Return error codes and descriptions.

It is not possible to create packs or item lines on a shipment through this message. It is only possible to update ones that already exist on the shipment. All responses to the UpdateShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<UpdateShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\UpdateShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Update confirm="" breakdownChargesReturned="0" />
  </DataArea>
</UpdateShipment>
```

```

    <Shipment>
      [...]
    </Shipment>
    <Actions>
      [...]
    </Actions>
  </DataArea>
</UpdateShipment>

```

UpdateShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of updating.

```
<Update confirm="" breakdownChargesReturned="0" />
```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable. Default value: 0

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
---------	-----------	-------------

Shipment *	Section	Root element. Identifies the section that contains data relating to the shipment.
Header *	Section	Contains the Shipment Header details.
Items	Section	This section is for product information that may be required for interfacing for the purposes of invoicing, packing lists, or carrier requirements.
Packages *	Section	This section identifies the packages being shipped. This is a mandatory section for SPS or LTL shipping.
Texts	Section	This section indicates the texts for this shipment.
DynamicFields	Section	Contains the Dynamic Fields details.

The following XML example shows the <Shipment> section:

```

<Shipment>
  <Header>
    [...]
  </Header>
  <Items>
    [...]
  </Items>
  <Packages>
    [...]
  </Packages>
  <Texts>
    [...]
  </Texts>
  <DynamicFields>
    [...]
  </DynamicFields>

```

```
</Shipment>
```

Section: Header

The following table lists the elements in the <Header> section:

Element	Data Type	Description
Header	Section	See the Header section of the CreateShipment message.
	TRAXClient *	Char [3]
	TRAXShipmentTransactionType	Char [1]
	TRAXUser	Char [10]
	Shipper	Char [10]
	TRAXDespatchNumber	Int [3]
	TRAXLocale	Char [6]
	References	Section
	ShipmentReference	Char [10]
	QuoteReference	Char
	InvoiceNumber	Char [18]
	CertificateOfOriginNumber	Char [15]
	TrackingLocationID	Char
	OtherReference	Char [30]
	CustomsReference	Char [18]

	ForwardersReference	Char [30]	
	BuyersReference	Char [35]	
	OrderReference	Char [30]	
	AdditionalReference	Char [20]	
	BillOfLadingNumber	Char [35]	
	MasterAirWaybill	Char [18]	
	HouseAirWaybill	Char [18]	
	Description	Char [40]	See the Header section of the CreateShipment message. XMSHDR0.SHCNAM
	CostCentre	Char [30]	See the Header section of the CreateShipment message.
	Service	Char [30]	
	TRAXUserDefined01 : TRAXUserDefined05	Char [35]	See the Header section of the CreateShipment message. XMSHDR0.SHPSL01 XMSHDR0.SHPSL02 XMSHDR0.SHPSL03 XMSHDR0.SHPSL05

The following XML example shows the <Header> section:

```
<Header>
  <TRAXClient />
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <TRAXUser />
  <Shipper />
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <TRAXLocale />
  <References>
    <ShipmentReference />
    <QuoteReference />
    <InvoiceNumber />
    <CertificateOfOriginNumber />
    <TrackingLocationID />
    <OtherReference />
    <CustomsReference />
    <ForwardersReference />
    <BuyersReference />
    <OrderReference />
    <AdditionalReference />
    <BillOfLadingNumber />
    <MasterAirWaybill />
    <HouseAirWaybill />
  </References>
  <Description />
  <CostCentre />
  <Service />
  <TRAXUserDefined01 />
  <TRAXUserDefined02 />
  <TRAXUserDefined03 />
  <TRAXUserDefined04 />
  <TRAXUserDefined05 />
</Header>
```

Section: Items

The following table lists the elements in the <Items> section:

Element		Data Type	Descriptions
Items		Section	See the Items section of the CreateShipment message.
	Item	Section	
	ItemLineNumber	Int [7]	
	UnitPrice	Section	
	Amount	Section	
	Currency	Char [7]	
	Value	Dec [16(6)-]	
	PerQuantity	Section	
	Quantity	Dec	
	UOM	Char	
	TotalAmount	Section	
	Amount	Section	
	Currency	Char [7]	
	Value	Dec [15(2)-]	

		References	Section	
		OrderReference	Char [30]	
		BuyersReference	Char [35]	
		TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSITM0.SIPSL01 XMSITM0.SIPSL02 XMSITM0.SIPSL03 XMSITM0.SIPSL04 XMSITM0.SIPSL05

The following XML example shows the <Items> section:

```
<Items>
  <Item>
    <ItemLineNumber>0</ItemLineNumber>
    <UnitPrice>
      <Amount>
        <Currency>Str</Currency>
        <Value>3.141592</Value>
      </Amount>
      <PerQuantity>
        <Quantity>3.141592</Quantity>
        <UOM>Str</UOM>
      </PerQuantity>
    </UnitPrice>
    <TotalAmount>
      <Amount>
        <Currency>Str</Currency>
        <Value>3.141592</Value>
      </Amount>
    </TotalAmount>
    <References>
      <OrderReference />
      <BuyersReference />
    </References>
    <TRAXUserDefined01 />
    <TRAXUserDefined02 />
    <TRAXUserDefined03 />
    <TRAXUserDefined04 />
    <TRAXUserDefined05 />
  </Item>
</Items>
```

Section: Packages

The following table lists the elements in the <Packages> section:

Element		Data Type	Description
Packages *		Section	See the Packages section of the CreateShipment message.
	PackHeader *	Section	
	PackNumber *	Char [35]	
	PackLineNumber	Num [7]	See the Documents section of the CreateShipment message.
	Description	Char [2000]	See the Packages section of the CreateShipment message.
	PackType	Char [16]	
	NoOfPacks *	Section	<i>Note</i> It is possible to update the PackWeight section if the shipment is not yet rated, or if it is rated and the following system value is configured:
	Quantity *	Int	Category: SPS
	PackWeight *	Section	Key: BLACK BOX: ALLOW RATEDPACK UPD
	UOM	Char [3]	Value: YES
	Weight *	Dec [16(6)-]	
	TareWeight	Dec [16(6)-]	

		NetWeight	Dec [16(6)-]
		NetNetWeight	Dec [16(6)-]
		PackDimensions	Section
		UOM	Char
		Length	Dec
		Width	Dec
		Height	Dec
		PackVolume	Section
		UOM	Char
		Volume	Dec [16(6)-]
		CODValue	Section
		Currency	Char [7]
		Value	Dec [15(2)-]
		InsuredValue	Section
		Currency	Char
		Value	Dec [15(2)-]
		MarkAndNumbers	Char [30]

	TrackingNumber	Char [35]	
	TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSXPK0.SXPSL01 XMSXPK0.SXPSL02 XMSXPK0.SXPSL03 XMSXPK0.SXPSL04 XMSXPK0.SXPSL05

The following XML example shows the <Packages> section:

```

<Packages>
  <PackHeader>
    <PackNumber />
    <PackLineNumber>0</PackLineNumber>
    <Description />
    <PackType />
    <NoOfPacks>
      <Quantity>0</Quantity>
    </NoOfPacks>
    <PackWeight>
      <UOM>Str</UOM>
      <Weight>3.14</Weight>
      <TareWeight>3.14</TareWeight>
      <NetWeight>3.14</NetWeight>
      <NetNetWeight>3.14</NetNetWeight>
    </PackWeight>
    <PackDimensions>
      <UOM>Str</UOM>

```

```
        <Length>3.14</Length>
        <Width>3.14</Width>
        <Height>3.14</Height>
    </PackDimensions>
    <PackVolume>
        <UOM>Str</UOM>
        <Volume>3.14</Volume>
    </PackVolume>
    <CODValue>
        <Currency>Str</Currency>
        <Value>3.14</Value>
    </CODValue>
    <InsuredValue>
        <Currency>Str</Currency>
        <Value>3.14</Value>
    </InsuredValue>
    <MarkAndNumbers lang="en-us" />
    <TrackingNumber />
    <TRAXUserDefined01 />
    <TRAXUserDefined02 />
    <TRAXUserDefined03 />
    <TRAXUserDefined04 />
    <TRAXUserDefined05 />
</PackHeader>
</Packages>
```

Section: Texts

The following table lists the elements in the <Texts> section:

Element		Data Type	Description
Texts		Section	See the Texts section of the CreateShipment message.
	Text ↻	Section	
	TextId	Char [4]	
	ItemLineNumber	Int [7]	
	TextValue	Char [2000]	

The following XML example shows the <Texts> section:

```

<Texts>
  <Text>
    <TextId>Stri</TextId>
    <ItemLineNumber>0</ItemLineNumber>
    <TextValue />
  </Text>
</Texts>

```

Section: DynamicFields

The following table lists the elements in the <DynamicFields> section:

Elements		Data Type	Description
DynamicFields		Section	See the DynamicFields section of the CreateShipment message.
	DynamicField	Section	
	FieldNumber	Int [7]	
	TableName	Char [16]	
	FieldName	Char [20]	
	RecordSequence	Int [7]	
	FieldValue	Char [2000]	
	FieldValueDoubleByte	Char [2000]	
	SectionName	Char [20]	
	SectionField	Char [20]	
	SectionKey	Char [20]	
	VirtualField	Log [1]	

The following XML example shows the <DynamicFields> section:

```
<DynamicFields>
  <DynamicField>
    <FieldNumber>0</FieldNumber>
    <TableName />
    <FieldName />
    <RecordSequence>0</RecordSequence>
    <FieldValue />
    <FieldValueDoubleByte />
    <SectionName />
    <SectionField />
    <SectionKey />
    <VirtualField>true</VirtualField>
  </DynamicField>
</DynamicFields>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Elements				Data Type	Description
Actions				Section	See the Actions section of the CreateShipment message.
	Action *			Section	
		Sequence *		Int [3]	
		Type *		Char [30]	
	Parameters			Section	
		Parameter *		Section	
			Name *	Char [50]	
			Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 8: ProcessEOD Message

This section describes the ProcessEOD API message.

Message Overview

Describes how the ProcessEOD message is typically used.

Message Sample

Provides a sample of the XML message.

ProcessEOD Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ProcessEOD message is used to request an end-of-day close for the current open set of rated or shipped shipments for a particular carrier or packing location.

This XML message contains a reference to a carrier and packing location, for which all shipments that are eligible for EOD processing are then batched and manifested to the carrier. This ensures that, if applicable, the shipment transaction data is transmitted to the carrier, and the paper manifest is also printed.

The API processes the ProcessEOD message and can perform the following actions, if applicable and requested:

- Batch all of the shipments for a chosen carrier and packing location.
- Batch only the shipments that meet specific constraints.
- Create the EOD file for the batch and transmit the file to the carrier.
- Print the paper manifest for the batch.
- Return the reference number of the batch created.
- Return the reference numbers of the shipments on the batch.
- Return error codes and descriptions.
- Return the paper manifest documentation as an attachment in the response.

All responses to the ProcessEOD XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ProcessEOD xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ProcessEOD.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
  </ApplicationArea>
</ProcessEOD>
```

```

        <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
    </ApplicationArea>
    <DataArea>
        <Process shipmentsReturned="1" printFileReturned="1" chargesReturned="1"
confirm="" trackingReturned="1" />
        <EOD>
            [...]
        </EOD>
        <Action>
            [...]
        </Action>
    </DataArea>
</ProcessEOD>

```

ProcessEOD Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```

<Process shipmentsReturned="1" printFileReturned="1" chargesReturned="1" confirm=""
trackingReturned="1" />

```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.
shipmentsReturned	Determines if the list of shipments in the batch should be returned.

trackingReturned	Determines if the tracking numbers for the shipments in the batch should be returned.
chargesReturned	Determines if the charges for the shipments in the batch should be returned.

Section: EOD

The following table lists the elements in the <EOD> section:

Element	Data Type	Description
EOD *	Section	Root element. Identifies the section that contains data relating to the shipment.
Carrier *	Char [10]	The global carrier code.
TRAXClient *	Char [3]	See the Header section of the CreateShipment message.
TRAXUser	Char [10]	
PackingLocation	Char [5]	
BatchConstraint1	Char [40]	Specifies the first constraint of a filter to be used when attaching shipments to this EOD batch.
BatchConstraint2	Char [40]	Specifies the second constraint of a filter to be used when attaching shipments to this EOD batch.
BatchConstraint3	Char [40]	Specifies the third constraint of a filter to be used when attaching shipments to this EOD batch.
TRAXPrinter	Char [10]	See the Header section of the CreateShipment message.
TRAXLocale	Char [6]	
DespatchDateRange	Section	See the DespatchDateRange section of the ProcessEOD message.
Shipments	Section	See the Shipments section of the ProcessEOD message.

Section: DespatchDateRange

The following table lists the elements in the <DespatchDateRange> section:

Element	Data Type	Description
DespatchDateRange	Section	Contains information relating to despatch dates.
FromDespatchDate	DateTime	Specifies the start Despatch Date for the filter used when attaching shipments to this EOD batch. XMSHDR0.SHDDTE
ToDespatchDate	DateTime	Specifies the end Despatch Date for the filter used when attaching shipments to this EOD batch. XMSHDR0.SHDDTE

The following XML example shows the <DespatchDateRange> section:

```
<DespatchDateRange>
  <FromDespatchDate>2001-12-17T09:30:47.OZ</FromDespatchDate>
  <ToDespatchDate>2001-12-17T09:30:47.OZ</ToDespatchDate>
</DespatchDateRange>
```

Section: Shipments

The following table lists the elements in the <Shipments> section:

Element		Data Type	Description
Shipments		Section	List of shipments wanted in the batch.
	Shipment	Section	Shipment references section.
	TRAXClient	Char [3]	See the Header section of the CreateShipment message.
	TRAXShipmentTransactionType	Char [1]	
	Shipper	Char [10]	
	ShipmentReference	Char [10]	
	TRAXDespatchNumber	Int [3]	

The following XML example shows the <Shipments> section:

```
<Shipments>
  <Shipment>
    <TRAXClient>UPS</TRAXClient>
    <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
    <Shipper>A0001</Shipper>
    <ShipmentReference>SPS0001</ShipmentReference>
    <TRAXDespatchNumber>0</TRAXDespatchNumber>
  </Shipment>
</Shipments>
```

Section: Action

The following table lists the elements in the <Action> section:

Elements		Data Type	Description
Action *		Section	Section for the start of an individual action.
Type		Char [20]	Specifies the EOD action. See the EOD Actions section to view the possible values.
BatchNumber		Char [10]	Unique EOD batch number used when performing an action. This does not apply when the Action Type is CREATEBATCH. SPSEOD XMGRUP0.GRGRUP

The following XML example shows the <Actions> section:

```
<Action>
  <Type />
  <BatchNumber />
</Action>
```

EOD Actions

The possible Action Type values are listed in the table below.

EOD Action	Description
CREATEBATCH	Create a new SPS batch for the select carrier/location.
DELETEBATCH	Delete a specific batch (if possible).
CREATEFILE	Generate the PLD file for a specific batch.
SENDFILE	Send the PLD file for a specific batch.
PRTSUMMARY	Print summary manifest for a specific batch (if summary manifest is available).
PRTDETAIL	Print detail manifest for a specific batch (if detail manifest is available).
PRTLABEL	Print EOD label for a specific batch (if EOD label is available).
WORLDEASINVOICE	Print WorldEase invoice for a specific batch (if possible).
WORLDEASEDOCBOX	Print WorldEase doc box label for a specific batch (if possible).
HAZARDOUSMANIFEST	Print Haz Mat manifest for a specific batch (if possible).
QUERY	Gather shipments and tracking numbers for the specified batch.

Chapter 9: ProcessShipment Message

This section describes the ProcessShipment API message.

Message Overview

Describes how the ProcessShipment message is typically used.

Message Sample

Provides a sample of the XML message.

ProcessShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ProcessShipment message is used to process an action on an existing shipment in the QAD GTTE application.

This XML message contains a reference to an existing QAD GTTE shipment that needs to be updated. Examples can include shipping or shopping an existing shipment, but this message is not limited to those particular actions.

The API processes the ProcessShipment message, and can perform the following actions:

- Process a set of requested actions in sequence.
- Return error codes and descriptions, if applicable.

All responses to the ProcessShipment XML messages are handled through the ProcessSPSResponse XML message.

Action Types Supported

Type	Description
CLOSE	To close the shipment in the QAD GTTE database.
DELETE	To delete the shipment from the QAD GTTE database.
PRINT	<p>To print documents for a shipment.</p> <p>To print specific documents, the action segment of the message must also pass through action parameters. The possible parameters for the document are as follows:</p> <p>DOCUMENT specifies that the parameter represents the document to be printed. The Value node contains the identifier of the document as follows through a comma-separated list:</p> <p>Entry 1: Document Type; option DO.</p> <p>Entry 2: Document Reference; option DO.</p> <p>Entry 3: Number of copies</p> <p>Entry 4: Printer</p> <p>Entry 5: Specific pack number, if the document is printed for a specific pack only.</p> <p>Example 1:</p>

	<pre><Parameter> <Name>DOCUMENT</Name> <Value>01,INV2E,1</Value> </Parameter></pre> <p>This specifies that the DOCUMENT to be printed is the document INV2E of type 01, and the number of copies printed is one. Example 2:</p> <pre><Parameter> <Name>DOCUMENT</Name> <Value>*,INV2E,1</Value> </Parameter></pre> <p>This specifies that the DOCUMENT to be printed is any document INV2E of any document type, and the number of copies printed is one. Example 3:</p> <pre><Parameter> <Name>DOCUMENT</Name> <Value>04,*,2</Value> </Parameter></pre> <p>This specifies that the DOCUMENT to be printed is any document of type 04, and the number of copies printed is two.</p>
RATE-VALIDATE	To validate that the shipment can be rated in accordance with the current characteristics of the shipment.
RE-RATE	To rate or re-rate a shipment, and to return the charges for that shipment. For example, this can be used if weights are changed on a shipment after shipping.
RE-RATE:STORE	This is the same as RE-RATE, but also stores the charges against the shipment.
RETURN	To allow an existing shipment to create its Inbound shipment as a mirror of the Outbound leg. The Inbound shipment is created in a different shipment transaction type, but has the same shipment reference.
ROUTE-ASSIGN	Allow the Routing Assignment to be run against the shipment, to set the carrier and service.
RULES	Allow the standard QAD GTTE rulebook to be run against the shipment.
SHOP	To return shopping results for shipment.

SHOP-CURRENT-SERVICE	To return the shopping result for the service currently set on the shipment. This serves the same purpose as RE-RATE.
SHIP	To generate tracking numbers and print labels.
WORKFLOW-TASK	<p>To allow a specific workflow task associated with the shipment to be run for the shipment. This allows functionality ordinarily available in QAD GTTE Windows UI to be exposed to the API process. There are conditions for using this:</p> <ul style="list-style-type: none"> ● The specified workflow tasks must already be associated with the shipment. ● The workflow tasks must be business processes only, without any user interaction. If there is a GUI part involved in the task, it will cause the listener to crash. <p>To run a workflow task, the action segment of the message must also pass through action parameters. The possible parameters for the workflow task are as follows:</p> <p><i>TASK-ID</i> This specifies that the parameter represents the particular task that has to be run. This will be the workflow task key (WTTKEY) field.</p> <p><i>WORKFLOW-PARAMETERS</i> This specifies particular workflow parameters that are required for this task, if they are not already configured against the task in the workflow, or if it is required to override those already configured in the workflow.</p> <p>Examples of usage:</p> <ul style="list-style-type: none"> ● Run the close action on the shipment ● Run AES Validation ● Run Compliance Check ● Run the print of a specific document <p>Samples of these different actions are available in the set of messages provided.</p>
Package-Exception-Management	<p>To allow an existing shipment to have attached a ShippingPlan used in the PEM module.</p> <p>Examples of usage:</p> <p>The PEM module can trigger the API CreateShipment request, which also contains the action Package-Exception-Management.</p>

Message Sample

```

<?xml version="1.0" encoding="UTF-8" ?>
<ProcessShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ProcessShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Process printLabels="true" printFileReturned="1" emailErrors="0" confirm=""
printITLDocs="true" collatePDFDocuments="0" createDespatchMaster="0" diaryErrors="0"
breakdownChargesReturned="0" />
    <Shipment>
      [...]
    </Shipment>
    <Actions>
      [...]
    </Actions>
  </DataArea>
</ProcessShipment>

```

ProcessShipment Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```
<Process printLabels="true" printFileReturned="1" emailErrors="0" confirm="" printITLDocs="true"
collatePDFDocuments="0" createDespatchMaster="0" diaryErrors="0"
breakdownChargesReturned="0" />
```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
create	Not in use at this time. The default value is 1 to create.
printLabels	Determines if labels should be printed when there is a successful rating.
printITLDocs	Determines if international documents should be printed when there is a successful rating.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.
breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable.
emailErrors	Determines if rating errors are e-mailed to a user, if configured for this functionality.
diaryErrors	Determines if rating errors are sent to the QAD GTTE diary, if configured for this functionality.

createDespatchMaster	Determines if a Master shipment needs to be created for this Despatch message. This means that the XML message contains all of the item information for the Master shipment, but the packing information only relates to the Despatch.
collatePDFDocuments	Determines if multiple PDF documents or labels should be returned as a single PDF attachment. Default value: 0
collatePDFMerge	Determines if PDF document pages or label pages are merged. Default value: 0
collatePDFMergeld	PDF Merge ID. Default value: "LABEL"

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Identifies the section that contains data relating to the shipment.
TRAXClient *	Char [3]	See the Header of the ShipShipment message.
TRAXShipmentTransactionType	Char [1]	
Shipper	Char [10]	
ShipmentReference *	Char [10]	
TRAXDespatchNumber	Int [3]	
TRAXUser	Char [10]	
TRAXLocale	Char [6]	

The following XML example shows the <Shipment> section:

```
<Shipment>
  <TRAXClient>TGL</TRAXClient>
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <Shipper>A9901</Shipper>
  <ShipmentReference>SPS0060</ShipmentReference>
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <TRAXUser />
  <TRAXLocale />
</Shipment>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Element		Data Type	Description
Actions		Section	See the Actions section of the CreateShipment message.
	Action * ↻	Section	
	Sequence *	Int [3]	
	Type *	Char [30]	
	Parameters	Section	
	Parameter *	Section	
	Name *	Char [50]	
	Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 10: QueryShipment Message

This section describes the QueryShipment API message.

Message Overview

Describes how the QueryShipment message is typically used.

Message Sample

Provides a sample of the XML message.

QueryShipment Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The QueryShipment message is used to query information for an existing shipment in QAD GTTE.

This XML message contains the identification of the shipment.

The API processes the QueryShipment message, and can perform the following actions:

- Return the full information about the shipment header, items, pack, and so on.
- Return error codes and descriptions, if applicable.

All responses to the QueryShipment XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<QueryShipment xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\QueryShipment.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferencId />
      <UniqueMessagId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Query confirm="" />
    <Shipment>
      [...]
    </Shipment>
  </DataArea>
</QueryShipment>
```

QueryShipments Attributes

In the <DataArea>, the attribute returned for the QueryShipments will always be set to confirm="Always".

```
<Query confirm="Always"/>
```

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Identifies the section that contains data relating to the shipment.
TRAXClient	Char [3]	Indicates QAD GTTE client used to retrieve the shipment record. CL XMSHDR0.CLIENT
TRAXShipmentTransactionType	Char [1]	See the Header section of the CreateShipment message.
TRAXUser	Char [10]	
Shipper	Char [10]	
ShipmentReference *	Char [10]	
TRAXDespatchNumber	Int [3]	

The following XML example shows the <Shipment> section:

```
<Shipment>  
  <TRAXClient />  
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>  
  <TRAXUser />  
  <Shipper />  
  <ShipmentReference />  
  <TRAXDespatchNumber>0</TRAXDespatchNumber>  
</Shipment>
```

Chapter 11: ServicePaymentsAccessorials Message

This section describes the ServicePaymentsAccessorials API message.

Message Overview

Describes how the ServicePaymentsAccessorials message is typically used.

Message Sample

Provides a sample of the XML message.

ServicePaymentsAccessorials Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ServicePaymentsAccessorials message request is used to determine the list of available Freight Payment Methods, COD Payment Methods, and Duty Payment Methods for a particular carrier service. These are returned as a set of codes and associated descriptions. The code values are those values allowed in the other XML message requests or shipment creation, shipping, shopping, and so on.

The API processes the ServicePaymentsAccessorials message, and performs the following actions:

- Check that the service exists.
- Check which freight payment methods are available for this service, for the selected origin and destination countries, and for the selected packing location.
- Check which duty payment methods are available for this service, if applicable.
- Check which COD payment methods are available for this service, if applicable.

All responses to the ServicePaymentsAccessorials XML messages are handled through the ProcessSPSResponse XML message. This XML message is currently used in the QAD GTTE UI, for the determination of the payment methods offered to the user.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServicePaymentsAccessorials xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ServicePaymentsAccessorials.xsd"
lang="" environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Process confirm="" />
    <ShipmentService>
      [...]
    </ShipmentService>
  </DataArea>
</ServicePaymentsAccessorials>
```

ServicePaymentsAccessorials Attributes

In the <DataArea>, the attribute returned for the ServicePaymentsAccessorials will always be set to confirm="Always".

```
<Process confirm="" />
```

Section: ShipmentService

The following table lists the elements in the <ShipmentService> section:

Element	Data Type	Description
ShipmentService *	Section	Identifies the section that contains data relating to the shipment.
TRAXClient	Char [3]	See the Header section of the CreateShipment message.
TRAXUser	Char [10]	
Service *	Char	Specifies the service to be queried. RT XTROUT0.RTROUT
PackingLocation *	Char [5]	See the Header section of the CreateShipment message. XMLOCL0.LOLOCALE
ShipFromCountry *	Char [4]	Specifies the Ship From Country of the Shipment. CT XMCTRY0.CTCCDE

ShipToCountry *	Char [4]	Specifies the Ship To Country of the Shipment. CT XMCTRY0.CTCCDE
-----------------	----------	---

The following XML example shows the <ShipmentService> section:

```

<ShipmentService>
  <TRAXClient>Str</TRAXClient>
  <TRAXUser />
  <Service />
  <PackingLocation>Strin</PackingLocation>
  <ShipFromCountry>Stri</ShipFromCountry>
  <ShipToCountry>Stri</ShipToCountry>
  </ShipmentService>
</ShipmentService>

```

Chapter 12: ConsolidateShipments Message

This section describes the ConsolidateShipments API message.

Message Overview

Describes how the ConsolidateShipments message is typically used.

Message Sample

Provides a sample of the XML message.

ConsolidateShipments Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ConsolidateShipments message is used to consolidate multiple child shipments on an existing or new parent shipment in QAD GTTE. This XML message contains a reference to existing QAD GTTE shipments that are required to be consolidated. Examples can include the shipping of existing shipments as a larger shipment unit. For example, pre-labelled packages to be picked up by a different carrier, and documentation is required for the intermediate carrier based on the contents of the child shipments.

The API processes the ConsolidateShipments message, and can perform the following actions:

- Consolidate the selected child shipments together to form a new master shipment.
- Consolidate or append the selected child shipments onto an existing master shipment.
- Return error codes and descriptions, if applicable.

All responses to the ConsolidateShipments XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ConsolidateShipments xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ConsolidateShipments.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <Consolidate confirm="Always" />
    <Master>
      [...]
    </Master>
  </DataArea>
</ConsolidateShipments>
```

```

    </Master>
    <Children>
        [...]
    </Children>
    <Packages>
        [...]
    </Packages>
    <Actions>
        [...]
    </Actions>
</DataArea>
</ConsolidateShipments>

```

ConsolidateShipments Attributes

In the <DataArea>, the attribute returned for the ConsolidateShipments will always be set to confirm="Always".

```
<Consolidate confirm="Always" />
```

Section: Master

The following table lists the elements in the <Master> section:

Elements	Data Type	Description
Master *	Section	Identifies the section that contains data relating to the shipment.
TRAXClient *	Char [3]	See the Header section of the CreateShipment message.
TRAXShipmentTransactionType	Char [1]	

	Shipper	Char [10]	
	ShipmentReference	Char [10]	
	TRAXDespatchNumber	Int [3]	
	TRAXUser	Char [10]	
	TRAXPrinter	Char [10]	
	TRAXLocale	Char [6]	

The following XML example shows the <Master> section:

```

<Master>
  <TRAXClient>Str</TRAXClient>
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <Shipper />
  <ShipmentReference />
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <TRAXUser />
  <TRAXPrinter />
  <TRAXLocale />
</Master>

```

Section: Children

The following table lists the elements in the <Children> section:

Elements		Data Type	Description
Children *		Section	Identifies the section that contains the child shipments to be consolidated. There must be at least two child records.
	Child	Section	Identifies the section that contains the information about a child shipment.
	TRAXClient	Char [3]	See the Header section of the CreateShipment message.
	TRAXShipmentTransactionType	Char [1]	
	Shipper	Char [10]	
	ShipmentReference *	Char [10]	
	TRAXDespatchNumber	Int [3]	

The following XML example shows the <Children> section:

```
<Children>
  <Child>
    <TRAXClient>Str</TRAXClient>
    <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
    <Shipper />
    <ShipmentReference />
    <TRAXDespatchNumber>0</TRAXDespatchNumber>
  </Child>
</Children>
```

Section: Packages

The following table lists the elements in the <Packages> section:

Elements			Data Type	Description
Packages			Section	This section defines the set of packages within the overall consolidation, by holding the relationship between the packages from the child shipments.
MasterChildPackGroupings			Section	This section is an overview of the relationships between packages within the Consolidation for the different packages within the child shipments.
PackGrouping			Section	This section holds the relationship between the packages of the child shipments. For each package on the overall consolidation, there will be a definition of that consolidated package in terms of the packages already defined for the child shipments. The Consolidation inherits the packages from the child shipments, and stores the relationship between those child packages on the Consolidation packing structure. For example, the Package 123 on the Master may be made up of Package ABC from Child Shipment 1 and Package DEF from Child Shipment 2.
MasterPackNumber *			Char [35]	Extended pack reference. XMSXPK0.SXADDREF
ChildTransactionType			Char [1]	Indicates the Shipment Transaction Type in QAD GTTE that will be used to retrieve the shipment. Z9 XMSHDR0.CLIENT : First character

			ChildClient	Char [3]	Indicates the client in QAD GTTE that will be used to retrieve the shipment. CL XMSHDR0.CLIENT
			ChildShipper	Char [10]	Shipper ID. NR XMSHDR0.SHCONO
			ChildShipmentReference *	Char [10]	Indicates the shipment reference in QAD GTTE that will be used to retrieve the shipment. XMSHDR0.SHSHIP
			ChildDespatchNumber	Int [3]	Indicates shipment despatch number in QAD GTTE that will be used to retrieve the shipment. XMSHDR0.SHDESP
			ChildPackNumber *	Char [35]	Child pack reference. XMSXPK0.SXADDRF

The following XML example shows the <Packages> section:

```
<Packages>
  <MasterChildPackGroupings>
    <PackGrouping>
      <MasterPackNumber />
      <ChildTransactionType>S</ChildTransactionType>
      <ChildClient>Str</ChildClient>
      <ChildShipper />
      <ChildShipmentReference />
      <ChildDespatchNumber>0</ChildDespatchNumber>
      <ChildPackNumber />
    </PackGrouping>
  </MasterChildPackGroupings>
</Packages>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Elements				Data Type	Description
Actions				Section	See the Actions section of the CreateShipment message.
	Action *			Section	
		Sequence *		Int [3]	
		Type *		Char [30]	
	Parameters			Section	
		Parameter *		Section	
			Name *	Char [50]	
			Value *	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>10</Sequence>
    <Type>WORKFLOW-TASK</Type>
    <Parameters>
      <Parameter>
        <Name>TASK-ID</Name>
        <Value>SHCOMP</Value>
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Chapter 13: ValidateShipAddress Message

This section describes the ValidateShipAddress API message.

Message Overview

Describes how the ValidateShipAddress message is typically used.

Message Sample

Provides a sample of the XML message.

ValidateShipAddress Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ValidateShipAddress message is used to validate the address that is passed to the API, based on specific validation criteria. This XML message contains an address to be validated, and specifies a particular type of validation to be carried out on that address. The API engine processes the ValidateShipAddress message, and can perform the following actions:

- Validate the address for a particular Carrier. This checks that there is a valid origin to destination for this address, and that the Carrier serves the destination address using a service.
- Validate the address for a particular Carrier Service. This validation confirms whether the address is eligible for delivery by this carrier for the specified service.
- Return indicator of whether the specified validation could be carried out for the specified carrier or service.
- Return indicator of whether the specified validation succeeded or failed, and if the validation method requested was acceptable to the carrier engine in QAD GTTE.
- Return error codes and descriptions, if applicable.

All responses to the ValidateShipAddress XML messages are handled through the ProcessSPSResponse XML message.

Note This message is limited to the validation of a carrier and/or service based on the carrier's routing data and rating structure available in the QAD GTTE application. It does not necessarily validate that the postal code exists for the destination country, or that the city is a valid city. It does not validate that the street address is a valid address.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ValidateShipAddress xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ValidateShipAddress.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageld />
    </Sender>
```

```

        <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
    </ApplicationArea>
    <DataArea>
        <Validate confirm="" />
        <Shipment>
            [...]
        </Shipment>
        <Actions>
            [...]
        </Actions>
    </DataArea>
</ValidateShipAddress>

```

ValidateShipAddress Attributes

In the <DataArea>, the attribute returned for the ValidateShipAddress will always be set to confirm="Always".

```
<Validate confirm="" />
```

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Identifies the section that contains data relating to the shipment.
Header *	Section	Marks the start of the Shipment Header details.

	TRAXClient *	Char [3]	See the Header section of the CreateShipment message.
	TRAXShipmentTransactionType	Char [1]	
	Shipper	Char [10]	
	TRAXUser	Char [10]	
	Service *	Char	Specifies the service to be queried. RT XTROUT0.RTROUT
	TransportMode	Char [4]	See the Header section of the CreateShipment message.
	PackingLocation *	Char [5]	See the Header section of the CreateShipment message. XMLOCL0.LOLOCAL
	ValidationType *	Char [40]	Specifies the validation mode.
	Parties	Section	See the Parties section of the CreateShipment message.

The following XML example shows the <Shipment> section:

```

<Shipment>
  <Header>
    <TRAXClient>Str</TRAXClient>
    <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
    <Shipper />
    <TRAXUser />
    <Service />
    <TransportMode>Stri</TransportMode>
    <PackingLocation>Strin</PackingLocation>
    <ValidationType />
  </Header>
  <Parties>
    <Party>
      <PartyType>BillTo</PartyType>
      <PartyId>
        <Id />
        <VATNr />
        <EIN />
        <SSN />
        <DUNS />
      </PartyId>
      <Name />
      <Contact />
      <PartyAddress>
        <AddressLine />
        <City />
        <StateOrProvince>Str</StateOrProvince>
        <Country>Stri</Country>
        <PostalCode />
      </PartyAddress>
    </Party>
  </Parties>
</Shipment>

```

```
<PhoneDetails>
  <CountryCode>Stri</CountryCode>
  <AreaCode />
  <Phone />
  <Extension>Strin</Extension>
</PhoneDetails>
<FaxDetails>
  <CountryCode>Stri</CountryCode>
  <AreaCode />
  <Phone />
  <Extension>Strin</Extension>
</FaxDetails>
<EmailAddress />
<CarrierAccount />
<IATACode />
</Party>
</Parties>
</Shipment>
```

Chapter 14: ProcessShipmentLines Message

This section describes the ProcessShipmentLines API message.

Message Overview

Describes how the ProcessShipmentLines message is typically used.

Message Sample

Provides a sample of the XML message.

ProcessShipmentLines Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ProcessShipmentLines message is used to process an action against shipment item lines on an existing shipment in the QAD GTTE application. This XML message contains a reference to an existing QAD GTTE shipment that needs to be updated. Examples can include the addition, deletion, or updating of shipment item lines. The API processes the ProcessShipmentLines message, and can perform the following actions:

- Add multiple shipment item lines
- Delete multiple shipment item lines
- Update multiple shipment item lines

All responses to the ProcessShipmentLines XML messages are handled through the ProcessSPSResponse XML message.

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ProcessShipmentLines xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ProcessShipmentLines.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
  </ApplicationArea>
  <DataArea>
    <ProcessLines emailErrors="0" confirm="" diaryErrors="0" />
    <Shipment>
      [...]
    </Shipment>
    <Actions>
      [...]
    </Actions>
  </DataArea>
</ProcessShipmentLines>
```

```

        </Actions>
    </DataArea>
</ProcessShipmentLines>

```

ProcessShipmentLines Attributes

The <DataArea> element contains attributes that identify the processing that is required on the shipment at the time of creation.

```
<ProcessLines emailErrors="0" confirm="" diaryErrors="0" />
```

The possible values are explained in the table below.

Note Value of 1 = YES, and 0 = NO.

Attribute	Description
confirm	Not in use at this time.
create	Not in use at this time. The default value is 1 to create.
printLabels	Determines if labels should be printed when there is a successful rating.
printITLDocs	Determines if international documents should be printed when there is a successful rating.
printFileReturned	Determines if printed documents are to be embedded in the returned XML response.
breakdownChargesReturned	Determines if the breakdown calculations of the charges are to be returned, where applicable.
emailErrors	Determines if rating errors are e-mailed to a user, if configured for this functionality.

diaryErrors	Determines if rating errors are sent to the QAD GTTE diary, if configured for this functionality.
createDespatchMaster	Determines if a Master shipment needs to be created for this Despatch message. This means that the XML message contains all of the item information for the Master shipment, but the packing information only relates to the Despatch.

Section: Shipment

The following table lists the elements in the <Shipment> section:

Element	Data Type	Description
Shipment *	Section	Identifies the section that contains data relating to the shipment
TRAXClient *	Char [3]	See the Header section of the CreateShipment message.
TRAXShipmentTransactionType	Char [1]	
Shipper	Char [10]	
ShipmentReference	Char [10]	
TRAXDespatchNumber	Int [3]	
TRAXUser	Char [10]	

The following XML example shows the <Shipment> section:

```
<Shipment>
  <TRAXClient />
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <Shipper />
  <ShipmentReference />
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <TRAXUser />
</Shipment>
```

Section: Actions

The following table lists the elements in the <Actions> section:

Elements				Data Type	Description
Actions				Section	See the Actions section of the CreateShipment message.
	Action			Section	
		Sequence *		Int [3]	
	AddItems			Section	See AddItems section of the ProcessShipmentLines message.
	Parameters			Section	See the Actions section of the CreateShipment message.
		Parameter		Section	
			Name	Char [50]	
			Value	Char [2000]	

The following XML example shows the <Actions> section:

```
<Actions>
  <Action>
    <Sequence>0</Sequence>
    <AddItems>
      [...]
    </AddItems>
    <Parameters>
      <Parameter>
        <Name />
        <Value />
      </Parameter>
    </Parameters>
  </Action>
</Actions>
```

Section: AddItems

The following table lists the elements in the <AddItems> section:

Elements		Data Type	Description
AddItems		Section	This section is used for the addition of an item record to an existing shipment transaction.
	AddItem *	Section	This section defines the start of the section that defines the new item record to be added to the shipment transaction.
	ItemKeyMethod *	Char	This must contain a value of one of the following: <ul style="list-style-type: none"> ItemLineNumber ItemOrderNumber <p>This is in order to determine the basis for the unique identifier of an item line in the shipment.</p>
	ItemLineNumber	Int [7]	XMSITM0.SISEQN
	ItemOrderNumber	Int [9-]	XMSITM0.SIXBNO
	ItemOrderLine	Int [9-]	XMSITM0.SIXBLN
	Product	Section	See the Items section of the CreateShipment message.
	ProductCode	Char [25]	
	FDAProductCode	Char [25]	
	CustomerProduct	Char [30]	

			Commodity	Section	
			Type	Char [5]	
			CommodityCode	Char [22]	XMSITM0.SIHARM or XMSITM0.SICMOD
			ImportCommodity	Section	
			Type	Char [5]	
			CommodityCode	Char [22]	
			Description	Char [2000]	See the Items section of the CreateShipment message.
			CommodityLineNumber	Int [7]	
			ProductQuantity	Section	
			UOM	Char [3]	
			Quantity	Dec [14(6)-]	
			ItemOrderType	Char [5]	
			OrderQuantity	Section	
			Quantity	Dec [14(6)-]	
			ProductWeight	Section	
			UOM	Char [3]	
			Weight	Dec [16(6)-]	

				NetWeight	Dec [16(6)-]
				ProductDimensions	Section
				UOM	Char [3]
				Length	Dec [8(4)-]
				Width	Dec [8(4)-]
				Height	Dec [8(4)-]
				ProductVolume	Section
				UOM	Char [3]
				Volume	Dec [16(6)-]
				ProductLoadSpace	Section
				UOM	Char [3]
				Quantity	Dec [13(6)-]
				UnitPrice	Section
				Amount	Section
				Currency	Char [7]
				Value	Dec [16(6)-]
				PerQuantity	Section

				Quantity	Dec
				UOM	Char
				ExtendedPrice	Section
				Amount	Section
				Currency	Char
				Value	Dec [15(2)-]
				Tax	Section
				LineNumber	Int
				TaxCode	Char
				TaxJurisdiction	
				TaxAmount	Char
				Currency	Char
				Value	Dec [15(2)-]
				TotalAmount	Section
				Amount	Section
				Currency	Char [7]
				Value	Dec [15(2)-]


			License	Section
			Exception	Char
			LicenseNo	Char
			EffectiveDate	Date
			ExpiryDate	Date
			Type	Char
			ECCNs	Section
			ECCN	Char
			ExportGroup *	Char [5]
			ECCN	Char [20]
			Exception	Char [5]
			MinimumValue	Dec [15(2)-]
			MaximumValue	Dec [15(2)-]
			Currency	Char [7]
			Description	Char [40]
			CountryOfOrigin	Char [4]
			FreightClass	Char [4]

			NMFC_Code	Char [22]
			References	Section
			OrderReference	Char [30]
			BuyersReference	Char [35]
			InvoiceNumber	Char [35]
			InvoiceDate	DateTime
			LotAllocations	Section
			LotAllocation *	Section
			LotLineNumber *	Int [7]
			LotNumber	Char [30]
			Location	Char [10]
			BatchNumber	Char [10]
			ManufactureDate	Date
			EndDate	Date
			Warehouse	Char [3]
			Comments	Char [30]
			LotQuantity	Dec [14(6)]
			Container	Char [14]

				CountryOfOrigin	Char [4]
				TRAXUserDefined01 : TRAXUserDefined05	Char [30]
				ItemOrigin	Char [1]
				HazMatInfo	Section
				Dangerous *	Log
				UNNumber *	Char [4]
				InnerQuantity	Section
				UOM	Char [16]
				Quantity	Dec
				OuterQuantity	Section
				UOM	Char [16]
				Quantity	Dec
				SerialNumbers	Section
				SerialNumber	Section
				LotLineNumber	Int [7]
				SerialNo	Char [20]

				TRAXUserDefined01 ⋮ TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSSRL0.SSPSL01 XMSSRL0.SSPSL02 XMSSRL0.SSPSL03 XMSSRL0.SSPSL04 XMSSRL0.SSPSL05
				ImportInfo	Section	See the Items section of the CreateShipment message.
				Fees	Section	
				HarbourMaintenanceFee	Dec [15(2)-]	
				MerchandiseProcessingFee	Dec [15(2)-]	
				AntiDumpingAssessmentFee	Dec [15(2)-]	
				CounterVeilingDutyFee	Dec [15(2)-]	
				OtherFee	Dec [15(2)-]	
				TotalFee	Dec [15(2)-]	
				Duty	Section	
				DutyRate	Dec [15(2)-]	
				DutyPaid	Dec [15(2)-]	

				DutiableValue	Dec [15(2)-]
				SpecialProgramsIndicators	Section
				Indicator1	Char [30]
				Indicator2	Char [30]
				Qualifiers	Section
				Qualifier	Section
				Type	Char
				Value	Char [20]
				TotalEnteredValue	Dec [15(2)-]
				AdditionalValue	Dec [15(2)-]
				NonDutiableCalcValue	Dec [15(2)-]
				RulingNumber	Char [15]
				FDAComments	Char [200]
				Texts	Section
				Text	Section
				TextId	Char [4]
				ItemLineNumber	Int [7]

				TextValue	Char [2000]	
				TRAXUserDefined01 : TRAXUserDefined05	Char [30]	See the Header section of the CreateShipment message. XMSITM0.SIPSL01 XMSITM0.SIPSL02 XMSITM0.SIPSL03 XMSITM0.SIPSL04 XMSITM0.SIPSL05
				DynamicFields	Section	See the DynamicFields section of the CreateShipment message.
				DynamicField 	Section	
				FieldNumber	Int [7]	
				TableName	Char [16]	
				FieldName	Char [20]	
				RecordSequence	Int [7]	
				FieldValue	Char [2000]	
				FieldValueDoubleByte	Char [2000]	
				SectionName	Char [20]	
				SectionField	Char [20]	
				SectionKey	Char [20]	
				VirtualField	Log [1]	

The following XML example shows the <AddItems> section:

```

<AddItems>
  <AddItem>
    <ItemKeyMethod>ItemLineNumber</ItemKeyMethod>
    <ItemLineNumber>0</ItemLineNumber>
    <ItemOrderNumber>0</ItemOrderNumber>
    <ItemOrderLine>0</ItemOrderLine>
    <Product>
      <ProductCode />
      <FDAProductCode />
      <CustomerProduct />
      <Commodity>
        <Type>Strin</Type>
        <CommodityCode />
      </Commodity>
      <Description />
    </Product>
    <CommodityLineNumber>0</CommodityLineNumber>
    <ProductQuantity>
      <UOM />
      <Quantity>3.14</Quantity>
    </ProductQuantity>
    <ItemOrderType>S</ItemOrderType>
    <OrderQuantity>
      <Quantity>3.14</Quantity>
    </OrderQuantity>
    <ProductWeight>
      <UOM />
      <Weight>3.14</Weight>
      <NetWeight>3.14</NetWeight>
    </ProductWeight>
  </AddItem>
</AddItems>

```

```
<ProductDimensions>
  <UOM />
  <Length>3.14</Length>
  <Width>3.14</Width>
  <Height>3.14</Height>
</ProductDimensions>
<ProductVolume>
  <UOM />
  <Volume>3.14</Volume>
</ProductVolume>
<ProductLoadSpace>
  <UOM />
  <Quantity>3.14</Quantity>
</ProductLoadSpace>
<UnitPrice>
  <Amount>
    <Currency>Stri</Currency>
    <Value>3.14</Value>
  </Amount>
  <PerQuantity>
    <Quantity>3.14</Quantity>
    <UOM />
  </PerQuantity>
</UnitPrice>
<ExtendedPrice>
  <Amount>
    <Currency>Stri</Currency>
    <Value>3.14</Value>
  </Amount>
</ExtendedPrice>
<Tax>
  <LineNumber>0</LineNumber>
```

```

    <TaxCode />
    <TaxJurisdiction />
    <TaxAmount>
      <Currency>Stri</Currency>
      <Value>3.14</Value>
    </TaxAmount>
  </Tax>
  <TotalAmount>
    <Amount>
      <Currency>Stri</Currency>
      <Value>3.14</Value>
    </Amount>
  </TotalAmount>
  <License>
    <Exception />
    <LicenseNo />
    <EffectiveDate>2001-12-17T09:30:47.0Z</EffectiveDate>
    <ExpiryDate>2001-12-17T09:30:47.0Z</ExpiryDate>
    <Type />
  </License>
  <ECCNs>
    <ECCN>
      <ExportGroup>Strin</ExportGroup>
      <ECCN />
      <Exception>Strin</Exception>
      <MinimumValue>3.14</MinimumValue>
      <MaximumValue>3.14</MaximumValue>
      <Currency>Stri</Currency>
      <Description />
    </ECCN>
  </ECCNs>
  <CountryOfOrigin>Stri</CountryOfOrigin>

```

```

<FreightClass>Stri</FreightClass>
<NMFC_Code />
<References>
  <OrderReference />
  <BuyersReference />
  <InvoiceNumber />
</References>
<InvoiceDate>2001-12-17T09:30:47.0Z</InvoiceDate>
<LotAllocations>
  <LotAllocation>
    <LotLineNumber>0</LotLineNumber>
    <LotNumber />
    <Location />
    <BatchNumber />
    <ManufactureDate>1967-08-13</ManufactureDate>
    <EndDate>1967-08-13</EndDate>
    <Warehouse>Str</Warehouse>
    <Comments />
    <LotQuantity>3.14</LotQuantity>
    <Container />
    <CountryOfOrigin>Stri</CountryOfOrigin>
    <TRAXUserDefined01 />
    <TRAXUserDefined02 />
    <TRAXUserDefined03 />
    <TRAXUserDefined04 />
    <TRAXUserDefined05 />
  </LotAllocation>
</LotAllocations>
<ItemOrigin>S</ItemOrigin>
<HazMatInfo>
  <Dangerous>true</Dangerous>
  <UNNumber>Stri</UNNumber>

```

```

</HazMatInfo>
<InnerQuantity>
  <UOM />
  <Quantity>3.14</Quantity>
</InnerQuantity>
<OuterQuantity>
  <UOM />
  <Quantity>3.14</Quantity>
</OuterQuantity>
<SerialNumbers>
  <SerialNumber>
    <LotLineNumber>0</LotLineNumber>
    <SerialNo />
    <TRAXUserDefined01 />
    <TRAXUserDefined02 />
    <TRAXUserDefined03 />
    <TRAXUserDefined04 />
    <TRAXUserDefined05 />
    <LotNumber />
  </SerialNumber>
</SerialNumbers>
<ImportInfo>
  <Fees>
    <HarbourMaintenanceFee>3.14</HarbourMaintenanceFee>
    <MerchandiseProcessingFee>3.144</MerchandiseProcessingFee>
    <AntiDumpingAssessmentFee>3.14</AntiDumpingAssessmentFee>
    <CounterVeilingDutyFee>3.14</CounterVeilingDutyFee>
    <OtherFee>3.14</OtherFee>
    <TotalFee>3.14</TotalFee>
  </Fees>
  <Duty>
    <DutyRate>3.14</DutyRate>

```

```

        <DutyPaid>3.14</DutyPaid>
        <DutiableValue>3.14</DutiableValue>
    </Duty>
    <SpecialProgramsIndicators>
        <Indicator1 />
        <Indicator2 />
    </SpecialProgramsIndicators>
    <Qualifiers>
        <Qualifier>
            <Type>3.14</Type>
            <Value />
        </Qualifier>
    </Qualifiers>
    <TotalEnteredValue>3.14</TotalEnteredValue>
    <AdditionalValue>3.14</AdditionalValue>
    <NonDutiableCalcValue>3.14</NonDutiableCalcValue>
    <RulingNumber />
    <FDAComments />
</ImportInfo>
<Texts>
    <Text>
        <TextId>Stri</TextId>
        <ItemLineNumber>0</ItemLineNumber>
        <TextValue />
    </Text>
</Texts>
<TRAXUserDefined01 />
<TRAXUserDefined02 />
<TRAXUserDefined03 />
<TRAXUserDefined04 />
<TRAXUserDefined05 />
<DynamicFields>

```

```
<DynamicField>
  <FieldNumber>0</FieldNumber>
  <TableName />
  <FieldName />
  <RecordSequence>0</RecordSequence>
  <FieldValue />
  <FieldValueDoubleByte />
  <SectionName />
  <SectionField />
  <SectionKey />
  <VirtualField>true</VirtualField>
</DynamicField>
</DynamicFields>

</AddItem>
</AddItems>
```

Chapter 15: ProcessSPSResponse Message

This section describes the ProcessSPSResponse API message.

Message Overview

Describes how the ProcessSPSResponse message is typically used.

Message Sample

Provides a sample of the XML message.

ProcessSPSResponse Attributes

Describes the attributes associated with this message.

Message Sections

Lists the message sections and describes the element structure.

Message Overview

The ProcessSPSResponse message is used as the response to the different input SPS input messages. This XML message contains the appropriate results based on the corresponding request to the API.

The API returns the ProcessSPSResponse message, and this response can contain the following:

- Response to the ShipShipment message
- Response to the RateShopShipment message
- Response to the ReprintShipment message
- Response to the VoidShipment message
- Response to the UpdateShipment message
- Response to the ProcessEOD message

Message Sample

```
<?xml version="1.0" encoding="UTF-8" ?>
<ProcessSPSResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="..\Message_Schemas\ProcessSPSResponse.xsd" lang=""
environment="" revision="S37">
  <ApplicationArea>
    <Sender>
      <LogicalId />
      <ReferenceId />
      <UniqueMessageId />
    </Sender>
    <CreationDateTime>2001-12-17T09:30:47.0Z</CreationDateTime>
    <ProcessedByServer />
    <ProcessedByListener />
  </ApplicationArea>
  <DataArea>
    <Process confirm="Always" />
    <SPSResponse>
      [...]
    </SPSResponse>
  </DataArea>
</ProcessSPSResponse>
```

```

</DataArea>
</ProcessSPSResponse>

```

ProcessSPSResponse Attributes

In the <DataArea>, the attribute returned for the ProcessSPSResponse will always be set to confirm="Always".

```

<Process confirm="Always" />

```

Section: SPSResponse

The following table lists the elements in the <SPSResponse> section:

Elements	Data Type	Description
SPSResponse *	Section	The beginning of the SPSResponse section.
OriginalMessage *	Section	This section describes the original message.
Type *	Char [40]	Identifies original message type
OriginalMessageId *	Char [35]	Uniquely identifies the original message request for debugging purposes.
TRAXClient	Char [3]	See the Header section of the CreateShipment message.
TRAXShipmentTransactionType	Char [1]	
TRAXUser	Char [10]	
Shipper	Char [10]	
ShipmentReference	Char [10]	

	TRAXDespatchNumber	Int [3]	
	Service	Char [30]	
	PreferredService	Char [30]	Specify shipment service. RT
	CarrierRoutingZone	Char [30]	The carrier routing zone that is printed on the label for the routing of the label inside the carrier's network. For example, the IATA code.
	CarrierPreSortCode	Char	The carrier pre-sort code.
	PaymentType *	Char	See the Header section of the CreateShipment message.
	DutyPaymentType	Char	
	CODPaymentMethod	Char	
	AccountBillable	Section	This section indicates the account billable.
	FreightAccount	Char [20]	XMS2DR0.S2TPACC
	DutyAccount	Char [20]	Virtual field SHDUTYTPACC
	ServiceBillable	Char [30]	Virtual field SHCHRGROUT
	PackingLocation	Char [10]	Virtual field SHWHOUSE
	ETADateTime	DateTime	XMSHDR0.SHEDTE + XMSHDR0.SHETME
	DespatchDate	DateTime	XMSHDR0.SHDDTE + XMSHDR0.SHDTME
	TransitTime	Dec [4(0)]	This is the duration of actual time during which the shipment is moving from its origin to destination. It does not include non-transit time, such as Saturday and Sunday.

			XMSHDR0.SHJTME
	TransitTimeUOM	Char	This is the unit of measure for the Transit Time, usually "DAY". XMSHDR0.SHJTMEUNT
	GlobalCarrierCode	Char [10]	The global carrier code.
	CarrierRatedStatus	Char [15]	Contains the possible statuses of the shipment: <ul style="list-style-type: none"> ● PENDING ● RATING ● INTERIM ● RATED ● POSTED XMSHDR0.SHPCOL
	ComplianceStatusCode	Char [2]	Contains the possible statuses of the compliance status: <ul style="list-style-type: none"> ● PA ● PM ● PW ● FA ● FM ● FE
	SEDDetails	Section	This section is for values applicable to SED or AES processing when shipping from the US.
	Applicable	Char [1]	Indicates whether this shipment is applicable for SED or not.
	ExportInformationCode	Char [3]	Export Information Code.

				XMSHDR0.SH24A
		RoutedTransaction	Log [1]	Routed or non-routed export transaction. A routed export transaction is where the FPPI, or Foreign Principal Party in Interest, authorizes a US forwarding, or other, agent to facilitate the export of the items from the US. XMS2DR0.S2ROUTED
		AESTransactionNumber	Char [15]	AES ITN XMS2DR0.S2AESITN
		RelatedPartyIndicator	Log [1]	Indicates if the shipper and Ship To are related. XMSHDR0.SHPREL
		Tracking	Section	See the Tracking section of the ProcessSPSResponse message.
		Charges	Section	See the Charges section of the ProcessSPSResponse message.
		ChargeTotal	Section	See the ChargeTotal section of the ProcessSPSResponse message.
		Items	Section	See the Items section of the CreateShipment message.
		Attachments	Section	See the Attachments section of the ProcessSPSResponse message.
		EODBatchNumber	Char [10]	The unique batch number identifier of the EOD. XMGRUP0.GRGRUP

	ShipmentCount	Int	The number of Shipments attached to this EOD batch. XMGRUP0.GRHCNT
	PackageCount	Int	The number of Packages attached to this EOD batch. XMGRUP0.GRHNOP
	BatchShipments	Section	See the BatchShipments section of the ProcessSPSResponse message.
	PaymentTypes	Section	See the PaymentTypes section of the ProcessSPSResponse message.
	Accessorials	Section	See the Accessorials section of the ProcessSPSResponse message.
	AddressValidation	Section	See the AddressValidation section of the ProcessSPSResponse message.
	DynamicFields	Section	See the DynamicFields section of the CreateShipment message.
	Errors	Section	See the Errors section of the ProcessSPSResponse message.

The following XML example shows the <SPSResponse> section:

```
<SPSResponse>
  <OriginalMessage>
    <Type>ShipShipment</Type>
    <OriginalMessageId />
  </OriginalMessage>
  <TRAXClient />
  <TRAXShipmentTransactionType>S</TRAXShipmentTransactionType>
  <TRAXUser />
  <Shipper />
  <ShipmentReference />
  <TRAXDespatchNumber>0</TRAXDespatchNumber>
  <Service />
  <PreferredService />
  <CarrierRoutingZone />
  <CarrierPreSortCode />
  <PaymentType />
  <DutyPaymentType />
  <CODPaymentMethod />
  <AccountBillable>
    <FreightAccount />
    <DutyAccount />
  </AccountBillable>
  <ServiceBillable />
  <PackingLocation />
  <ETADateTime>2001-12-17T09:30:47.0Z</ETADateTime>
  <DespatchDate>2001-12-17T09:30:47.0Z</DespatchDate>
  <TransitTime>3.</TransitTime>
  <TransitTimeUOM />
  <GlobalCarrierCode />
  <CarrierRatedStatus />

```

```
<ComplianceStatusCode>St</ComplianceStatusCode>
<SEDDetails>
  <Applicable>false</Applicable>
  <ExportInformationCode />
  <RoutedTransaction>N</RoutedTransaction>
  <AESTransactionNumber />
  <RelatedPartyIndicator>false</RelatedPartyIndicator>
</SEDDetails>
<Tracking>
  [...]
</Tracking>
<Charges>
  [...]
</Charges>
<ChargeTotal>
  [...]
</ChargeTotal>
<Items>
  [...]
</Items>
<Attachments>
  [...]
</Attachments>
<EODBatchNumber />
<ShipmentCount>0</ShipmentCount>
<PackageCount>0</PackageCount>
  [...]
<BatchShipments>
  [...]
</BatchShipments>
<PaymentTypes>
  [...]
```

```
</PaymentTypes>
<Accessorials>
  [...]
</Accessorials>
<AddressValidation>
  [...]
</AddressValidation>
<DynamicFields>
  [...]
</DynamicFields>
<Parties>
  [...]
</Parties>
<Errors>
  [...]
</Errors>
</SPSResponse>
```

Section: Tracking

The following table lists the elements in the <Tracking> section:

Elements		Data Type	Description
Tracking		Section	The beginning of the Tracking section.
	TrackingDetails *	Section	This section contains the tracking information for the shipment..
	PackNumber *	Char [35]	The unique identifier of the package section.
	TrackingNumber	Char [35]	Specifies the tracking number.
	MasterTrackingNumber	Char [35]	Specifies the tracking number for the master shipment.
	TrackingBarcode	Char [35]	XMS2PK0.PKBARCODE
	PackLineNumber *	Int [7]	The unique identifier of the package section in QAD GTTE.
	TrackingURL	Char	The URL of the carrier for the tracking number.
	PackWeight	Section	See the Packages section of the CreateShipment message.
	UOM	Char [3]	
	Weight *	Dec [16(6)-]	
	PackDimensions	Section	
	UOM	Char	
	Length	Dec	

			Width	Dec	
			Height	Dec	
			PackVolume	Section	
			UOM	Char	
			Volume	Dec [16(6)-]	
			PackageItems	Section	The section for the items, quantity, and serial numbers for the items.
			PackageItem	Section	Section for the package item details.
			ItemLineNumber	Int [7]	Unique identifier of item. XMSYPK0.SYSEQN
			ProductQuantity	Section	Section to indicate the quantity of the product line that is packed within this package.
			UOM	Char [3]	The UOM of the quantity of the product packed in this package.
			Quantity	Dec	The quantity of the product packed in this package. XMSYPK0.SYCQTY
			PackageSerialNumbers	Section	This section indicates the serial numbers associated with the current item.
			PackageSerialNumber	Section	This section indicates one of the serial numbers associated with the current item.
			LotLineNumber	Int [7]	XMSLOT0.SLSEQL


```
<Packageltem>
  <ItemLineNumber>0</ItemLineNumber>
  <ProductQuantity>
    <UOM>Str</UOM>
    <Quantity>3.141592</Quantity>
  </ProductQuantity>
  <PackageSerialNumbers>
    <PackageSerialNumber>
      <LotLineNumber>0</LotLineNumber>
      <SerialNo />
    </PackageSerialNumber>
  </PackageSerialNumbers>
</Packageltem>
</Packageltems>
</TrackingDetails>
</Tracking>
```

Section: Charges

The following table lists the elements in the <Charges> section:

Elements		Data Type	Description
Charges		Section	This section indicates charges that are calculated from a system external to QAD GTTE.
	Charge	Section	Section for an individual charge record.
	ChargeLineNumber *	Int [7]	Unique identifier of the charge section. XMSOVR0.SOLINE
	PackLineNumber	Int [7]	Unique identifier of the package section in QAD GTTE.
	Service	Char [30]	Shipment service. RT XMSHDR0.SHROUT
	PreferenceWeighting	Int [3]	Service preference weighting (%).
	Carrier	Section	This section identifies the carrier.
	Id *	Char [10]	Shipment carrier ID. NR XMSHDR0.SHSHPC
	Name *	Char [40]	The name of the carrier.
	TransportMode	Section	Specifies the transport mode. TR
	Code *	Char [4]	Transport mode code. XMSHDR0.SHMODE
	Description *	Char [50]	Transport mode description.

		RateZone	Char [22]	Zone per freight rate.
		CarrierRoutingZone	Char	Carrier Routing Code.
		CarrierPreSortCode	Char	Carrier Pre-Sort Code.
		TransitTime	Dec [4(0)]	See the SPSResponse section of the ProcessSPSResponse message.
		TransitTimeUOM	Char	
		TransitTimeMax	Dec [4(0)]	Maximum transit time.
		ETADateTime	DateTime	The specific ETA in date and time format.
		DespatchDate	DateTime	Despatch date in date and time format.
		ChargeCode	Char [6]	XMSOVR0.SOCSTC
		Description	Char [50]	XMSOVR0.SODESC
		ChargeAmount	Section	Section for the value of the charge.
		BuyAmount *	Section	See the Charges section of the CreateShipment message.
		Currency *	Char [3]	
		Value *	Dec [15(2)-]	
		SellAmount *	Section	
		Currency *	Char [3]	
		Value *	Dec [15(2)-]	
		PreferredServiceDiffPercent	Dec	The difference as a percentage for the current service towards preferred service.
		ChargeBreakdowns	Section	The beginning of the charge breakdown section.

				ChargeBreakdown *	Section	Contains the details of the ChargeBreakdown.
				ChargeLineNumber *	Int	Unique identifier of the charge breakdown section. XMSOVR0.SOLINE
				PackLineNumber	Int [7]	Unique identifier of the package section in QAD GTTE.
				ChargeCode	Char [6]	XMSOVR0.SOCSTC
				Description	Char [50]	XMSOVR0.SODESC
				ChargeAmount	Section	Section for the value of the charge.
				BuyAmount *	Section	Section for the Buy value of the charge, or what the Shipper may charge to the receiver.
				Currency *	Char [3]	XMSOVR0.SOEVAL
				Value *	Dec [15(2)-]	XMSOVR0.SOCURR
				SellAmount *	Section	Section for the Sell value of the charge (what the Carrier may charge to the Shipper).
				Currency *	Char [3]	XMSOVR0.SOSEVAL
				Value *	Dec [15(2)-]	XMSOVR0.SOCURR
				ChargeDeterminations	Section	Section for information about how the charge was calculated/determined by the application.
				ChargeDetermination *	Section	Section for a single charge determination detail.
				Sequence	Int	Unique sequence number for the charge determination detail.
				Description	Char [50]	Charge determination description.

				Amount	Section	Charge determination amount.
				BuyAmount *	Section	Section for the Buy value of the charge.
				Currency *	Char [3]	The buy amount currency. XMSOVR0.SOEVAL
				Value *	Dec [15(2)-]	The buy amount value. XMSOVR0.SOCURR
				SellAmount	Section	Section for the Sell value of the charge.
				Currency *	Char [3]	The sell amount currency. XMSOVR0.SOSEVAL
				Value *	Dec [15(2)-]	The sell amount value. XMSOVR0.SOCURR
				Invoiceable	Log [1]	Indicate if the charge is invoiceable or not. XMSOVR0.SOFG14
				Errors	Section	Section for errors.
				Error	Section	This section contains the details of an error.
				ErrorNumber *	Char [10]	Specifies the unique error number.
				ErrorText	Char [2000]	Specifies the error description.

The following XML example shows the <Charges> section:

```

<Charges>
  <Charge>
    <ChargeLineNumber>0</ChargeLineNumber>
    <PackLineNumber>0</PackLineNumber>
    <Service/>
    <PreferenceWeighting>0</PreferenceWeighting>
    <Carrier>
      <Id/>
      <Name/>
    </Carrier>
    <TransportMode>
      <Code/>
      <Description/>
    </TransportMode>
    <RateZone/>
    <CarrierRoutingZone/>
    <CarrierPreSortCode/>
    <TransitTime>3.</TransitTime>
    <TransitTimeUOM/>
    <TransitTimeMax>3.</TransitTimeMax>
    <ETADateTime>2001-12-17T09:30:47.OZ</ETADateTime>
    <DespatchDate>2001-12-17T09:30:47.OZ</DespatchDate>
    <ChargeCode/>
    <Description/>
    <ChargeAmount>
      <BuyAmount>
        <Currency>Str</Currency>
        <Value>3.14</Value>
      </BuyAmount>
      <SellAmount>

```

```

        <Currency>Str</Currency>
        <Value>3.14</Value>
    </SellAmount>
</ChargeAmount>

<PreferredServiceDiffPercent>3.141592653589793832795</PreferredServiceDiffPercent>
    <ChargeBreakdowns>
        <ChargeBreakdown>
            <ChargeLineNumber>127</ChargeLineNumber>
            <ChargeCode/>
            <Description/>
            <ChargeAmount>
                <BuyAmount>
                    <Currency/>
                    <Value>3.14</Value>
                </BuyAmount>
                <SellAmount>
                    <Currency/>
                    <Value>3.14</Value>
                </SellAmount>
            </ChargeAmount>
            <ChargeDeterminations>
                <ChargeDetermination>
                    <Sequence>127</Sequence>
                    <Description/>
                    <Amount>
                        <BuyAmount>
                            <Currency/>
                            <Value>3.14</Value>
                        </BuyAmount>
                        <SellAmount>
                            <Currency/>
                            <Value>3.14</Value>
                        </SellAmount>
                    </Amount>
                </ChargeDetermination>
            </ChargeDeterminations>
        </ChargeBreakdown>
    </ChargeBreakdowns>

```

```
        </SellAmount>
      </Amount>
    </ChargeDetermination>
  </ChargeDeterminations>
</ChargeBreakdown>
</ChargeBreakdowns>
<Invoiceable>true</Invoiceable>
<Errors>
  <Error>
    <ErrorNumber/>
    <ErrorText/>
  </Error>
</Errors>
</Charge>
</Charges>
```

Section: ChargeTotal

The following table lists the elements in the <ChargeTotal> section:

Elements		Data Type	Description
ChargeTotal		Section	This section contains the details of the charge total.
	BuyAmount *	Section	Section for the total buy value of the charge.
	Currency *	Char [3]	The buy amount currency. XMSOVR0.SOCURR
	Value *	Dec [15(2)-]	The buy amount value. XMSOVR0.SOEVAL
	SellAmount *	Section	Section for the total sell value of the charge
	Currency *	Char [3]	XMSOVR0.SOCURR
	Value *	Dec [15(2)-]	XMSOVR0.SOEVAL

The following XML example shows the <ChargeTotal> section:

```
<ChargeTotal>
  <BuyAmount>
    <Currency/>
    <Value>3.14</Value>
  </BuyAmount>
  <SellAmount>
    <Currency>Str</Currency>
    <Value>3.14</Value>
  </SellAmount>
</ChargeTotal>
```

Section: Items

The following table lists the elements in the <Items> section:

Elements		Data Type	Description
Items		Section	See the Items section of the CreateShipment message.
	Item	Section	
	ItemLineNumber	Int [7]	
	ItemOrderLineNumber	Int [7]	
	Product	Section	
	ProductCode	Char [25]	
	CustomerProduct	Char [30]	
	Description	Char [2000]	
	ProductQuantity	Section	
	UOM	Char [3]	
	Quantity	Dec [14(6)-]	
	References	Section	
	OrderReference	Char [30]	
	BuyersReference	Char [18]	

The following XML example shows the <Items> section:

```
<Items>
  <Item>
    <ItemLineNumber>10</ItemLineNumber>
    <ItemOrderLineNumber>10</ItemOrderLineNumber>
    <Product>
      <ProductCode>PSL-0007</ProductCode>
      <CustomerProduct />
      <Description>Needles</Description>
    </Product>
    <ProductQuantity>
      <UOM>EA</UOM>
      <Quantity>10</Quantity>
    </ProductQuantity>
    <References>
      <OrderReference>0000014275</OrderReference>
      <BuyersReference>20140818</BuyersReference>
    </References>
  </Item>
</Items>
```

Section: Attachments

The following table lists the elements in the <Attachments> section:

Elements	Data Type	Description
Attachments	Section	This section contains the attachments
Attachment *	Section	Attributes <ul style="list-style-type: none"> ● Type <ul style="list-style-type: none"> ○ Attachment type. ○ Possible Values: <ul style="list-style-type: none"> ■ text/base4 ● Mime <ul style="list-style-type: none"> ○ Attachment mine ○ Possible Values: <ul style="list-style-type: none"> ■ binary/PDF ■ binary/PCL ● Name <ul style="list-style-type: none"> ○ Attachment file name ● DocumentType ● DocumentRef ● Directory ● remotePrinter
EmbeddedData *	Char	

The following XML example shows the <Attachments> section:

```

<Attachments>
  <Attachment>
    <EmbeddedData documentRef="" mime="" type="" documentType=""
remotePrinter="" directory="" name="" />
  </Attachment>
</Attachments>

```

Section: BatchShipments

The following table lists the elements in the <BatchShipments> section:

Elements		Data Type	Description
BatchShipments		Section	This section is for batch shipments.
	Shipment	Section	Contains the details for this shipment.
	Client	Char [3]	Indicates the client in QAD GTTE. CL XMSHDR0.CLIENT
	TransactionType	Char [1]	Indicates the Shipment Transaction Type from QAD GTTE. Z9 XMSHDR0.CLIENT : First character
	Shipper	Char [10]	See the Header section of the CreateShipment message.
	ShipmentNo *	Char	The Shipment Reference number. XMSHDR0.SHSHIP
	Despatch	Int [3]	Indicates the QAD GTTE Despatch Number. XMSHDR0.SHDESP
	Tracking	Section	See the Tracking section of the ProcessSPSResponse message.
	TrackingDetails *	Section	
	PackNumber *		
	TrackingNumber *	Char [35]	
	PackLineNumber *	Int [35]	
	Charges	Section	See the Charges section of the ProcessSPSResponse message.
	Charge	Section	
	ChargeLineNumber *	Int [7]	

				ChargeCode	Char [6]	
				Description	Char [50]	
				ChargeAmount	Section	
				BuyAmount *	Section	
				Currency *	Char [3]	
				Value *	Dec [15(2)-]	
				SellAmount *	Section	
				Currency *	Char [3]	
				Value *	Dec [15(2)-]	
				ChargeTotal	Section	See the ChargeTotal section of the ProcessSPSResponse message.
				BuyAmount *	Section	
				Currency *	Char [3]	
				Value *	Dec [15(2)-]	
				SellAmount *	Section	
				Currency *	Char [3]	
				Value *	Dec [15(2)-]	

The following XML example shows the <BatchShipments> section:

```

<BatchShipments>
  <Shipment>
    <Client />
    <TransactionType>S</TransactionType>
    <Shipper />
    <ShipmentNo />
    <Despatch>0</Despatch>
    <Tracking>
      <TrackingDetails>
        <PackNumber />
        <TrackingNumber />
        <PackLineNumber>0</PackLineNumber>
      </TrackingDetails>
    </Tracking>
    <Charges>
      <Charge>
        <ChargeLineNumber>0</ChargeLineNumber>
        <ChargeCode />
        <Description />
        <ChargeAmount>
          <BuyAmount>
            <Currency>Str</Currency>
            <Value>3.14</Value>
          </BuyAmount>
          <SellAmount>
            <Currency>Str</Currency>
            <Value>3.14</Value>
          </SellAmount>
        </ChargeAmount>
      </Charge>
    </Charges>
  </Shipment>
</BatchShipments>

```

```
</Charges>
<ChargeTotal>
  <BuyAmount>
    <Currency>Str</Currency>
    <Value>3.14</Value>
  </BuyAmount>
  <SellAmount>
    <Currency>Str</Currency>
    <Value>3.14</Value>
  </SellAmount>
</ChargeTotal>
</Shipment>
</BatchShipments>
```

Section: PaymentTypes

The following table lists the elements in the <PaymentTypes> section:

Elements				Data Type	Description
PaymentTypes				Section	The beginning of the PaymentTypes section.
	PaymentType			Section	Contains the details of a payment type.
		Category *		Char	The payment type category.
		PaymentValues *		Section	Indicates the values for the payment type.
			PaymentValue *	Section	A payment value.
			Value *	Char [50]	The payment value ID.
			Description *	Char [50]	The payment description.

The following XML example shows the <PaymentTypes> section:

```
<PaymentTypes>
  <PaymentType>
    <Category />
    <PaymentValues>
      <PaymentValue>
        <Value />
        <Description />
      </PaymentValue>
    </PaymentValues>
  </PaymentType>
</PaymentTypes>
```

Section: Accessorials

The following table lists the elements in the <Accessorials> section:

Elements	Data Type	Description
Accessorials	Section	This section defines shipment characteristics that are relevant to specific indicators on the carrier label, or for determining additional rates for the shipment. Multiple or no accessorials can be applicable to the shipment.
Accessorial * ↻	Section	Section for an individual accessorial.
Value *	Char [50]	The accessorial value ID.
Description *	Char [50]	The accessorial description.
TRAXCostType	Char [6]	The cost type.
DefaultInUse	Log [1]	The default in use.

The following XML example shows the <Accessorials> section:

```
<Accessorials>
  <Accessorial>
    <Value />
    <Description />
    <TRAXCostType />
    <DefaultInUse>true</DefaultInUse>
  </Accessorial>
</Accessorials>
```

Section: AddressValidation

The following table lists the elements in the <AddressValidation> section:

Elements				Data Type	Description
AddressValidation				Section	Indicates the beginning of the address validation section.
	Validation			Section	Contains validation details.
		Validated *		Log	This indicates whether the validation has been applied.
		Valid		Log	This indicates whether the validation was successful.
AlternativeAddresses				Section	Contains details of the alternative address on the shipment.
	AlternativeAddress			Section	An address that overrides the address related to the shipment.
		PartyType		Char	See the PartyType section of the CreateShipment message.
		PartyId		Section	See the Parties section of the CreateShipment message.
			Id	Char [20]	
			VATNr	Char[28]	For future use.
			EIN	Char [18]	
			SSN	Char [11]	

			DUNS	Char [9]	
			PartyAddress	Section	See the Parties section of the CreateShipment message.
			AddressLine ↻ [max 5]	Char [40]	
			City	Char [30]	
			StateOrProvince	Char [3]	
			Country	Char [4]	
			PostalCode	Char [10]	

The following XML example shows the <AddressValidation> section:

```
<AddressValidation>
  <Validation>
    <Validated>true</Validated>
    <Valid>true</Valid>
  </Validation>
  <AlternativeAddresses>
    <AlternativeAddress>
      <PartyType>BillTo</PartyType>
      <PartyId>
        <Id />
        <VATNr />
        <EIN />
        <SSN />
        <DUNS />
      </PartyId>
      <PartyAddress>
        <AddressLine />
        <City />
        <StateOrProvince />
        <Country />
        <PostalCode />
      </PartyAddress>
    </AlternativeAddress>
  </AlternativeAddresses>
</AddressValidation>
```

Section: DynamicFields

The following table lists the elements in the <DynamicFields> section:

Elements		Data Type	Description
DynamicFields		Section	See the DynamicFields section of the CreateShipment message.
	DynamicField	Section	
	FieldNumber	Int [7]	
	TableName	Char [16]	
	FieldName	Char [20]	
	RecordSequence	Int [7]	
	FieldValue	Char [2000]	
	FieldValueDoubleByte	Char [2000]	

The following XML example shows the <DynamicFields> section:

```
<DynamicFields>
  <DynamicField>
    <FieldNumber>0</FieldNumber>
    <TableName />
    <FieldName />
    <RecordSequence>0</RecordSequence>
    <FieldValue />
    <FieldValueDoubleByte />
  </DynamicField>
</DynamicFields>
```

Section: Errors

The following table lists the elements in the <Errors> section:

Elements		Data Type	Description
Errors		Section	Section for errors.
	Error	Section	This section contains the details of an error.
	ErrorNumber *	Char [10]	Specifies the unique error number.
	ErrorText	Char [2000]	Specifies the error description.
	ErrorPageURL	Char [200]	Error page URL.
	ErrorTable	Char [50]	Generic table name.
	ErrorTableKey	Char [2000]	Record key.
	Action	Section	Specifies if the error is related to an action.
	Sequence *	Int [3]	Specifies the action sequence.
	Type *	Char [30]	Specifies the action type.
	Severity	Char [15]	Specifies the severity level.

The following XML example shows the <Errors> section:

```
<Errors>
  <Error>
    <ErrorNumber />
    <ErrorText />
    <ErrorPageURL />
    <ErrorTable />
    <ErrorTableKey />
    <Action>
      <Sequence>0</Sequence>
      <Type />
    </Action>
  </Error>
</Errors>
```

Appendix A: Frequently Asked Questions

Question	Answer
<p>Can labels be printed by an external application calling QAD GTTE?</p>	<p>Yes, it is possible to print the labels in the calling application, by having the QAD GTTE message return the print file through the XML response message.</p> <p>The ProcessSPSResponse message returns the print file as a Base 64 encoded attachment.</p> <p>The printer that is specified by TRAXPrinter, or the locale or document printer specified by TRACLocale, determines the printer language of the print file when it is decoded. If this is a Zebra printer, then the print file will be ZPL. If this is an Intermec printer, then the print file will be IPL.</p> <p><i>Important</i> This functionality only applies in cases where QAD GTTE is responsible for the printing of the carrier's labels. If QAD GTTE does not control the printing of labels, then QAD GTTE cannot return the print file in the QAD GTTE XML message response.</p> <p>QAD GTTE does not currently control the printing of labels for the following carriers:</p> <ul style="list-style-type: none"> ● Initial City Link ● TNT <p>The printing of labels for the carriers above is carried out by the carrier's own proprietary software.</p>
<p>Is there a recommended message for transaction integration?</p>	<p>This depends on your process flow, and what you want to do with the transaction that you create in QAD GTTE.</p> <p>One approach is to use the CreateShipment message as the basis of the integration, because this is the basis for all other transaction messages. This offers you more flexibility in terms of how you can manage the process flow. The CreateShipment message is the basis for ShipShipment and RateShopShipment, and you can use it as a foundation on which to build other elements of the process flow.</p> <p>Example 1:</p> <ul style="list-style-type: none"> ● Use the CreateShipment message to create the transaction in QAD GTTE, and request an action of SHOP in the XML message so that the transaction can remain as it is in QAD GTTE if it does not change later in the process. ● Send a ProcessShipment message with an action of SHIP to ship the above transaction.

	<p>Example 2:</p> <ul style="list-style-type: none"> • Use the CreateShipment to create the transaction in QAD GTTE, and request an action of SHIP. This is the equivalent of a ShipShipment message. • Additional actions can be run against the shipment transaction, in accordance with the ProcessShipment message documentation, in the same CreateShipment message. For example, actions such as SHIP + CLOSE.
<p>How can I run rules against the shipment transaction?</p>	<p>Configure the following system value to ensure that the rules are run against all transactions:</p> <p>Key: <i>BLACK BOX: RUN RULES ON CREATE</i></p> <p><i>Note</i> It is possible for RULES to be an action, so that you can determine when rules must run for a specific transaction. This means that it does not need to run against each transaction. This action can be part of a CreateShipment, a ShipShipment, or a ProcessShipment message.</p>
<p>How can I request documents to be printed for the shipment transaction?</p>	<p>Configure the printITLDocs setting in the XML message.</p> <p>Also, refer to the following system value:</p> <p>Key: <i>BLACK BOX: PRT ITLDOC TYPES</i></p>
<p>How can I request emails to be sent when a message fails?</p>	<p>It is possible to access an email hook that notifies users of errors for asynchronous processes.</p> <p>See the emailErrors flag setting in the XML message.</p>
<p>How can I build my own XML message generation program for integration?</p>	<p>Build your message using standard procedures to effectively handle special characters, similar to how it is performed in XTBBSHRP.P and its included files.</p>
<p>Is it possible to execute a workflow for a transaction?</p>	<p>For more sophisticated requirements, such as a compliance check, the QAD GTTE interface can execute the workflow that is appended to the shipment.</p> <p>Refer to the following system value:</p> <p>Key: <i>BLACK BOX: RUN WORKFLOW TASKS</i></p>
<p>Does the sequence of messages passed to the API make a difference?</p>	<p>Yes, it depends on the type of message and its impact on the database.</p> <p>Example:</p>

	<p>QueryShipment or ReprintShipment are read-only messages. This means that they only read data from the database, so they change nothing on the shipment and do not impact the shipment's contents.</p> <p>Typically, the purpose of the ProcessShipment message is to perform an update. This means that, depending on the action, it indicates that an action must be applied to the shipment in order to update data in the database. Therefore, it does impact the shipment's content.</p> <p>If you run a QueryShipment or ReprintShipment message that queries or prints the data that is affected by the ProcessShipment message, then you must ensure that the ProcessShipment message is processed before the QueryShipment or ReprintShipment messages.</p>
--	--

Appendix B: Glossary

Acronym	Description
AES	Automated Export System
COD	Collect on Delivery payment methods.
EAR	Export Administration Regulations
ECCN	Export Control Classification Number. This is a dual-use code that is assigned to items for export.
EOD	End of Day
GUI	Graphical User Interface
HTS	Harmonized Tariff Schedule
IATA	International Air Transport Association codes uniquely identify airports.
ITN	Internal Transaction Number. This is generated by the Automated Export System, or AES.
LTL	Less Than Truckload
NMFC	National Motor Freight Classification
SED	Service End Date
SPS	Small Parcels System
UOM	Unit of Measure

Appendix C: XML Schema Documents (XSD)

To view all QAD GTTE Transportation Execution API v20 schema (XSD) documents, see the *QAD GTTE Transportation Execution API v20 Schema* zip file in the QAD Document Library.

Appendix D: Action Types

Action Type	Description
CARRIER-CONSOLIDATION-PACKING	This setting allows you to run a process against a shipment that sets the relationship between outer packages and inner packages within a shipment. You can use it in a carrier consolidation process, such as DHL Breakbulk, where a relationship between parent and child packages must be created.
CLOSE	This setting calls the Close process against the shipment transaction.
COMPLIANCE-CHECK	This setting allows you to run the Compliance process against the shipment transaction.
COMPLIANCE-RESULTS	This setting allows you to receive the Compliance results in an API response for the selected shipment transaction.
Delete	This setting calls the Delete process against the shipment transaction.
DHUSAPaperlessClearance	This setting calls the process for DHL Paperless Clearance for US origin shipments against the shipment transaction.
NOACTION	This setting applies no change to the shipment transaction.
Package-Exception-Management	This setting allows you to assign the PEM shipping plan(s) to the shipment transaction. <i>Note</i> This is a legacy action type.

PRINT

This setting allows you to run the Print process against the shipment transaction to print documents for the shipment.

To print the specific documents, the action segment of the message must include action parameters. The possible parameters for the document are as follows:

DOCUMENT

This setting specifies that the parameter represents the document to be printed. The Value node contains the identifier of the document, as follows, through a comma-separated list:

Entry 1: Document Type (from option DO)

Entry 2: Document Reference (from option DO)

Entry 3: Number of copies

Entry 4: Printer

Entry 5: Specific pack number (if the document is printed for the specific pack only)

Example 1:

```
<Parameter>
  <Name>DOCUMENT</Name>
    <Value>01,INV2E,1</Value>
</Parameter>
```

This example specifies that the document to print is document INV2E of type 01 (based on option DO), and the number of copies printed is 1.

Example 2:

```
<Parameter>
  <Name>DOCUMENT</Name>
    <Value>*,INV2E,1</Value>
```

	<p></Parameter></p> <p>This example specifies that the document to print is document INV2E of any document type (based on option DO), and the number of copies printed is 1.</p> <p>Example 3:</p> <pre><Parameter> <Name>DOCUMENT</Name> <Value>04,*2</Value> </Parameter></pre> <p>This example specifies that the document to print is any document of type 04 (based on option DO), and the number of copies printed is 2.</p>
Rate-Validate	This setting allows the shipment transaction to call the Rate process for the service or route currently set against the shipment, to determine if the shipment can be rated successfully or not.
Re-Rate	This setting allows you to re-rate a shipment transaction, based on its current shipment characteristics, so that the rates are returned in the response message for review. You can use this approach where weights are changed on a shipment after shipping.
Re-Rate:STORE	This setting allows for the shipment transaction to be re-rated, based on its current shipment characteristics. Additionally, the calculated rates are now stored against the shipment transactions (to replace any existing rates on the shipment).
RETURN	This setting allows a Return shipment transaction to be generated for an Outbound shipment transaction. The Return shipment transaction has the same characteristics as the Outbound shipment, except that the Shipper and Ship To addresses are reversed. The Return shipment is created within a different shipment

	transaction type, but with the same shipment reference.
ROUTE-ASSIGN	This setting allows the Routing Guide Assignment (or Service Assignment) process to run for the shipment transaction, so that the Service determined by the Routing Guide rules can be updated on the shipment transaction.
RULES	This setting allows the Rules engine to run for the shipment transaction.
Ship	This setting allows the Ship process (rating/labeling) to be run against a shipment transaction, provided that the shipment is in a pending status (not already rated/shipped).
Shop	This setting allows the Shop process to be run against a shipment transaction, to enable the rates for the list of possible services to be returned in the API response.
SHOP-CURRENT-SERVICE	This setting allows the Shop process to be run against a shipment transaction, but only for the service/route currently set on the shipment transaction. This setting serves the same purpose as the RE-RATE action type.
VERIFY-ADDRESS	This setting allows the Address Validation process to be run against the shipment transaction.
WORKFLOW-TASK	To setting allows a specific workflow task associated with the shipment to be run for the shipment. This approach allows functionality ordinarily available in the OpenEdge programs to be exposed to the SOA processing. There are conditions on how to use this setting: <ul style="list-style-type: none"> • The specified workflow tasks must be already associated with the shipment.

	<ul style="list-style-type: none">•The workflow tasks must be business processes only – no interaction with the user. Having a UI part to the task causes the listener to crash. <p>To run a workflow task, the action segment of the message must also include action parameters. The possible parameters for the workflow task are as follows:</p> <p>TASK-ID: This parameter specifies that the parameter represents the particular task that is to be run. This corresponds to the workflow task key (WTTKEY) field.</p> <p>WORKFLOW-PARAMETERS: This parameter specifies particular workflow parameters that are required for this task, if they are not already configured against the task in the workflow (or if it is required to override the parameters already configured in the workflow).</p> <p>Examples of usage:</p> <ul style="list-style-type: none">• Run the close action on the shipment• Run AES Validation• Run Compliance Check• Run the print of a specific document
--	---