

# Oracle Fusion Cloud Transportation and Global Trade Management

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## **XML Interface Changes Guide**

Release 23B



Oracle Fusion Cloud Transportation and Global Trade Management  
XML Interface Changes Guide

Release 23B

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# 2 General Integration Processing Changes

## Consolidated Schema

An XML schema definition, OTMGTM.xsd, consolidates the old separate schema files into one root document to be more flexible for some third party tools, e.g. for validation or processing of messages. This file can be downloaded from the Retrieve Schemas page in the Integration Manager user interface.

## Processing Changes

This section describes the XML interface changes introduced in Oracle Transportation Management version 21A that affect the schema documents as a whole. A description of each element and attribute changes are covered in [section 3](#) and [section 4](#). For a complete description of the meaning and use of all interfaces refer to the integration online documentation.

Primary schema changes in 21A release came from an effort to support strict schema validation. Some key common changes include

- Primary key element(s) (GID/Sequence) are now optional where an Integration Saved Query is supported
- Weight and Volume are now optional in a WeightVolumeType
- Length, Width and Height are now optional in a LengthWidthHeightType
- GLogDate is now optional in the GLogDateTimeType





## 3 Schema Change History

### Release 23B Schema Change History

#### *Changes to Shipment.xsd*

Reference	Description
34858567	Add Location GID to SSLocation of ShipmentStatus (TrackingEvent) interface

### Release 23A Schema Change History

#### *Changes to GTM.xsd*

Reference	Description
28796492	Add Child GTM Transaction Lines to Parent GTM Transaction Line

#### *Changes to Item.xsd*

Reference	Description
34579428	Add Flex Fields for Item Trade Value

#### *Changes to Location.xsd*

Reference	Description
34597409	Add Tag Fields and BidComment for ConditionalSpotBid

#### *Changes to Shipment.xsd*

Reference	Description
34599326	Add Cutoff Fields for Location and Appointment Rule Set
34579132	Add Center of Gravity fields for SEquipment

## Release 22C Schema Change History

### *Changes to Configuration.xsd*

Reference	Description
34129232	Add AutoApproveRuleProfileGid for User

### *Changes to Finance.xsd*

Reference	Description
33938121	Add VoucherInvoiceLineVat for Voucher Add VatCodeGid for Release and TransOrder
33918240	Add ShipmentGroup information for Voucher

### *Changes to Item.xsd*

Reference	Description
32703419	Deprecate IsQualified for ItemQualification

### *Changes to LocationContact.xsd*

Reference	Description
34129240	Add Flexfields for ServiceProvider

### *Changes to Order.xsd*

Reference	Description
33938121	Add VatCodeGid for TransOrder

### *Changes to Planning.xsd*

Reference	Description
29750752	Make ItineraryType element optional for Itinerary

### Changes to *Shipment.xsd*

Reference	Description
33935260	Add ProjectedTourName and ProjectedTourSequenceNum for Shipment
33904791	Add Flexfields for ShipmentCost
33954356	Add ReservationNumber for Shipment

## Release 22B Schema Change History

### Changes to *GTM.xsd*

Reference	Description
33722728	Add AlternateDesignator for GtmStructure

## Release 22A Schema Change History

### Changes to *Finance.xsd*

Reference	Description
33389309	Add AllocSeqNo and AllocCostSeqno for AllocReleaseDetail, AllocReleaseLineDetail and AllocTransOrderLineDetail

### Changes to *GenericTransaction.xsd*

Reference	Description
33440182	Add LegPosition for RIQQuery

### Changes to *GTM.xsd*

Reference	Description
33087520	Add GtmStructureValue for GtmTransactionLine
33332446	Add CountryOfExport for GtmTransaction  Add CountryOfExport and CountryOfImport for GtmTransactionLine

Reference	Description
33401487	Add CountryOfImport for GtmTransaction

### ***Changes to Item.xsd***

Reference	Description
33087551	Add CountryOfImport, RVCPercantage, MinOpsMet, ROOAttribute, WhollyOriginated, and ItemQualificationConditionsfor ItemQualification  Add ItemQualificationConditionType

### ***Changes to LocationContact.xsd***

Reference	Description
33294179	Add MaximumShipUnitsAllowed for ApptRuleSet

### ***Changes to Order.xsd***

Reference	Description
33247081	Add TrackingEvents to Release
33285472	IsTemporary for OrderMovement is deprecated and will be removed in a future release
33389309	Add AllocSeqNo and AllocCostSeqno forReleaseAllocShipmentDetail  Add AllocSeqNo for ReleaseAllocShipment
33377234	Add Status for TransOrder

### ***Changes to OTMGTM.xsd***

Reference	Description
33010468	A new XML schema definition - OTMGTM.xsd - has been added to consolidate the separate schema files into one root document

### Changes to Shipment.xsd

Reference	Description
33098106	Add ConditionalSpotBid For TenderResponse
33223416	Add Flexfields for Vessel
33418108	Add IsDirect and FlightInstanceld for ConditionalBooking
33439216	Add IsAirRailRouteCodeFixed for Shipment
33440029	Add WaybillDate for Shipment

### Changes to ShipUnit.xsd

Reference	Description
33001302	Add IsFixedEruCount and SShipUnitEquipRefUnit to ShipUnit
33195905	Make TotalNumReferenceUnits optional for EquipmentRefUnit

## Release 21C Schema Change History

### Changes to Finance.xsd

Reference	Description
32745681	Add AllocTransOrderLineDetail for AllocationBase Add Flex fields for AllocReleaseDetail, AllocReleaseLineDetail, and AllocTransOrderLineDetail

### Changes to GTM.xsd

Reference	Description
32377054	Add PartnerGid, PartnerSiteGid and InventoryOrganizationGid for GtmStructure and GtmStructureComponent
32458880	Add Flex fields for GtmStructure and GtmStructureComponent

### Changes to Item.xsd

Reference	Description
32223040	Add ItemValueSet for Item interface

Reference	Description
	Add GtmValueQualifierGid, Value, ExchangeRateGid, ExchangeRateDate, and SeqNumber for ItemValue
32632682	Add GtmStructureGid for ItemOrigin

### ***Changes to LocationContact.xsd***

Reference	Description
32435196	Add ServprovProfileGid, EquipmentGroupProfileGid for ActivityTimeDef
32554912	Add EruGrouping for Location interface

### ***Changes to Order.xsd***

Reference	Description
32519722	Add PackWithGroup for ReleaseLine
32745681	Add Flex fields for ReleaseAllocShipmentDetail
32832837	Add EarlySailDt, LateSailDt and VoyageGid for ReleaseHeader

### ***Changes to Rate.xsd***

Reference	Description
32299779	Add OPERAND_QUALIFIER1, OPERAND_QUALIFIER2, OPERAND_QUALIFIER3, OPERAND_QUALIFIER4, CHARGE_QUALIFIER1, CHARGE_QUALIFIER2, CHARGE_BREAK_COMP_QUALIFIER1, and CHARGE_BREAK_COMP_QUALIFIER2 to ACCESSORIAL_COST

### ***Changes to Shipment.xsd***

Reference	Description
32257746	Add PredictedArrival for ShipmentStop
32487668	Add PredictedArrivalLow and PredictedArrivalHigh for ShipmentStop

## Release 21A Schema Change History

### *Changes to Configuration.xsd*

Reference	Description
31962321	Add FirstName, LastName and EmailAddress to User interface

### *Changes to Document.xsd*

Reference	Description
31880166	Make EffectiveDate and ExpirationDate as optional for Document interface

### *Changes to Finance.xsd*

Reference	Description
31537024	Make WorkInvoiceGid as optional for WorkInvoice
32065374	Make DomainName as optional for PaymentHeader

### *Changes to GTM.xsd*

Reference	Description
31537024	Make TradeDirection as optional for ProductClassification
31473892	Add AuthorizationTypeGid to ControlScreeningResult
31964784	Make TypeGid and Code as optional for UserDefinedType Make GtmCode and Code as optional for UserDefinedCode
31955039	Make GtmRegistrationGid as optional for GtmRegistrationDate, GtmRegRelatedItem, GtmRegRelatedCommodity, GtmRegRelatedUDCommodity, GtmRegRelatedLicense and GtmRegRelatedRegistration

### *Changes to Item.xsd*

Reference	Description
31880166	Make HazmatIndicator, HotIndicator and ResidueIndicator as optional for HazmatItem
31955039	Make ExchangeRateInfo as optional for GtmValue

Reference	Description
32039106	Deprecate TradeDirection for GtmItemClassification

### ***Changes to LocationContact.xsd***

Reference	Description
31537024	Make primary key element (GID/Sequence) as optional when using Integration Saved Query
31880166	Make UseGICredential as optional for Contact
30346467	Deprecate IntQueueName for Contact
31955658	Add IsWMSFacility to Location interface

### ***Changes to Order.xsd***

Reference	Description
31537024	Make primary key element (GID/Sequence) as optional when using Integration Saved Query
31880166	Make QuoteLocInfo as optional for SrcLoc and DestLoc elements. Make ReleaseLineGid as optional for ReleaseLine

### ***Changes to Planning.xsd***

Reference	Description
31537024	Make primary key element (GID/Sequence) as optional when using Integration Saved Query
31880166	Make IsMultiStop, Perspective, TotalCost, TotalTransitTime, IsDestBundlePreferred, Rank, IsActive, IsRule11 as optional for Itinerary Make Duration as optional for ServiceTime

### ***Changes to Shipment.xsd***

Reference	Description
31537024	Make primary key element (GID/Sequence) as optional when using Integration Saved Query
31222023	Update schema documentation to describe ShipmentStatusType and SSSStopSequenceNum elements for ShipmentStatus interface
31936304	Move ShipmentStatusType out of ShipmentRefnum/ShipmentGroupRefnum choice group for ShipmentStatus interface
32008611	Make ShipUnit as optional for SShipUnit



### ***Changes to ShipUnit.xsd***

Reference	Description
31537024	Make ShipUnit as optional for SShipUnit
31880166	Make NumStackingLayers and NumLoadingRows as optional for SEquipmentSShipUnitInfo

### ***Changes to TransmissionCommon.xsd***

Reference	Description
31537024	Make primary key element (GID/Sequence) as optional when using Integration Saved Query
31616383	Support optional Gid elements



# 4 Added Element Definitions

## Element Definitions

The following global element, type, or attribute definitions have been added.

[Legend: 'E' – Element, 'T' – Complex Type, 'A' – Attribute.]

## Release 23B Added Element Definitions

There are no element definitions added for 23B.

## Release 23A Added Element Definitions

### *GTM.xsd*

XML Element	Type	Description
GtmTransactionLine	E	(Outbound) Identifies Child Transaction Line Items.

### *Location.xsd*

XML Element	Type	Description
ApptCutoffHours	E	Service provider appointment cutoff in hours. For example, to indicate a cutoff hour of 1 hour, specify a value for 3600 (1 hour after midnight).
ApptBeforeCutoff	E	Service provider appointment duration before cutoff.
ApptAfterCutoff	E	Service provider appointment duration after cutoff.

### *Shipment.xsd*

XML Element	Type	Description
Tag1	E	Tag information provided by the service provider for the spot bid.

XML Element	Type	Description
Tag2	E	Tag information provided by the service provider for the spot bid.
Tag3	E	Tag information provided by the service provider for the spot bid.
BidComment	E	Service provider comment for the spot bid.
GrossCGLength	E	Calculated length wise position of gross center of gravity (COG) from the equipment bottom leftmost corner.
GrossCGWidth	E	Calculated width wise position of gross center of gravity (COG) from the equipment bottom leftmost corner.
GrossCGHeight	E	Calculated height of gross center of gravity (COG) from the floor.
EmptyCGLength	E	When equipment is empty, indicates the length wise position of Empty center of gravity (COG) from the equipment bottom leftmost corner.
EmptyCGWidth	E	When equipment is empty, indicates the width wise position of Empty center of gravity (COG) from the equipment bottom leftmost corner.
EmptyCGHeight	E	When equipment is empty, indicates the height of Empty center of gravity (COG) from the floor.
FloorHeight	E	Indicates the actual height of the platform or floor above the ground or the rail.

## Release 22C Added Element Definitions

### *Configuration.xsd*

XML Element	Type	Description
AutoApproveRuleProfileGid	E	(Both) Auto Approve Rule Profile ID for the user.

### *Finance.xsd*

XML Element	Type	Description
VoucherInvoiceLineVatType	T	(outbound) Voucher VAT information per line.
LineItemSeqNumber	E	(outbound) Sequence number of line item. FK Reference to the VOUCHER_INVOICE_LINEITEM_JOIN table.

XML Element	Type	Description
VatSeqNumber	E	(outbound) VAT sequence number.

### *Shipment.xsd*

XML Element	Type	Description
ProjectedTourName	E	(Both) Identifier for the projected tour. If the projected tour is received as input, this is the supplied tour ID.
ProjectedTourSequenceNum	E	(Both) Sequence in which the shipment should appear in the projected tour.
ReservationNumber	E	(Both) Reservation number for the shipment.

## Release 22B Added Element Definitions

### *GTM.xsd*

XML Element	Type	Description
AlternateDesignator	E	(Both) To identify alternate bill of material and link parent and child bill of material.

## Release 22A Added Element Definition

### *Finance.xsd*

XML Element	Type	Description
AllocSeqNo	E	(outbound) A sequence number that is used to uniquely identify each allocation.
AllocCostSeqno	E	(outbound) A sequence number that is used to uniquely identify each allocated cost.

### ***GenericTransaction.xsd***

XML Element	Type	Description
LegPosition	E	Define where to insert this stop in a multi-stopsituation. Validation: (L,F)

### ***GTM.xsd***

XML Element	Type	Description
GtmStructureValueType	T	(Both) Values for the bill of material.
CountryOfExport	E	(Both) Identifies the Country of Export for the Trade Transaction and Trade Transaction Line
CountryOfImport	E	(Both) Identifies the Country of Import for the Trade Transaction and Trade Transaction Line

### ***Item.xsd***

XML Element	Type	Description
CountryOfImport	E	(Outbound) Identifies the country where the Item is imported from.
RVCPercentage	E	(Outbound) The percentage of the regional value content method associated with an item qualification.
MinOpsMet	E	(Outbound) This flag indicates if minimum operations are met under Rules of Origin.
ROOAttribute	E	(Outbound) Indicates the attribute description under the product specific rule(suffix/ex) after the Rules of Origin Qualification.
WhollyOriginated	E	(Outbound) Indicates if the Item is wholly originating under the trade agreement.
ItemQualificationConditionType	T	(Outbound) Contains condition details of an item qualification.
ConditionShortName	E	(Outbound) The short name given to rules of origin rule code.
ConditionDescription	E	(Outbound) Description of the condition.
IsApplied	E	(Outbound) Indicates if the condition applied.

**LocationContact.xsd**

XML Element	Type	Description
MaximumShipUnitsAllowed	E	A constraint on the Appointment Rule Set for the maximum number of ship units for the appointment slot. The business use case is to identify dock doors that are 'express' that will be unloaded or loaded quickly.

**Order.xsd**

XML Element	Type	Description
AllocSeqNo	E	(outbound) A sequence number that is used to uniquely identify each allocation.
AllocCostSeqno	E	(outbound) A sequence number that is used to uniquely identify each allocated cost.

**Shipment.xsd**

XML Element	Type	Description
ConditionalSpotBidType	T	Provides information about the conditional spot bid.

**ShipUnit.xsd**

XML Element	Type	Description
IsFixedEruCount	E	Y, N. Indicates whether the ERU defined on shipment ship unit is used or the ERU is derived from the order.
SShipUnitEquipRefUnit	E	Used to specify Ship Unit reference unit of a Shipment.

## Release 21C Added Element Definition

### *Finance.xsd*

XML Element	Type	Description
AllocTransOrderLineDetail	T	Specifies the cost breakdown details for the Allocation to the Order Base Line.

### *GTM.xsd*

XML Element	Type	Description
PartnerGid	E	Partner on the component for the bill of material.
PartnerSiteGid	E	Partner site on the component for the bill of material
InventoryOrganizationGid	E	Inventory organization on the component for the bill of material.

### *Item.xsd*

XML Element	Type	Description
ItemValueSet	T	Item values based on the Inventory Organization, Partner, Partner Site, Packaged Item, and Country of Origin.
ItemValue	T	Item values based on the item value set table for a given value qualifier.

### *LocationContact.xsd*

XML Element	Type	Description
EruGrouping	E	Indicates orders going to this location will be grouped together for ERU grouping.

### *Order.xsd*

XML Element	Type	Description
PackWithGroup	E	Lines with different Pack with Groups cannot be packed into the same ship unit. This



XML Element	Type	Description
		rule applies only to AUTO_CALC order configuration.
EarlySailDt	E	The early sailing date and time to be used as a constraint when planning the order release onto a buy shipment on the primary leg. This constraint only applies when the primary leg contains a voyage.
LateSailDt	E	The late sailing date and time to be used as a constraint when planning the order release onto a buy shipment on the primary leg. This constraint only applies when the primary leg contains a voyage.
VoyageGid	E	The voyage GID to be used as a constraint when planning the order release onto a buy shipment on the primary leg. This constraint only applies when the primary leg contains a voyage.

**Rate.xsd**

XML Element	Type	Description
OPERAND_QUALIFIER1	E	Determines the attribute/qualifier of the object on which the condition is based.  For example, if the condition checks the value for flex field attribute1 = TEST, this column will hold value as attribute1, the flex field column name.  If condition is on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.
OPERAND_QUALIFIER2	E	Determines the attribute/qualifier of the object on which the condition is based.  For example, if the condition checks the value for flex field attribute1 = TEST, this column will hold value as attribute1, the flex field column name.  If condition is on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.
OPERAND_QUALIFIER3	E	Determines the attribute/qualifier of the object on which the condition is based.  For example, if the condition checks the value for flex field attribute1 = TEST, this column will hold value as attribute1, the flex field column name.

XML Element	Type	Description
		<p>If condition is on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.</p>
OPERAND_QUALIFIER4	E	<p>Determines the attribute/qualifier of the object on which the condition is based.</p> <p>For example, if the condition checks the value for flex field attribute1 = TEST, this column will hold value as attribute1, the flex field column name.</p> <p>If condition is on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.</p>
CHARGE_QUALIFIER1	E	<p>Determines the attribute/qualifier of the object based on which the charge is to be calculated.</p> <p>For example, if the charge is based on some flex field attribute1, this column will hold value as attribute1, the flex field column name.</p> <p>If the charge is based on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.</p>
CHARGE_QUALIFIER2	E	<p>Determines the attribute/qualifier of the object based on which the charge is to be calculated.</p> <p>For example, if the charge is based on some flex field attribute1, this column will hold value as attribute1, the flex field column name.</p> <p>If the charge is based on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.</p>
CHARGE_BREAK_COMP_QUALIFIER1	E	<p>Determines the attribute/qualifier of the object based on which the charge using unit breaks is to be calculated.</p> <p>For example, if the rate break is based on flex field attribute1, this column will hold value as attribute1, the flex field column name.</p> <p>If the rate break is based on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.</p>
CHARGE_BREAK_COMP_QUALIFIER2	E	<p>Determines the attribute/qualifier of the object based on which the charge using unit breaks is to be calculated.</p> <p>For example, if the rate break is based on flex field attribute1, this column will hold value as attribute1, the flex field column name.</p>

XML Element	Type	Description
		If the rate break is based on the reference number qualifier GLOG = ORDER_01 then this column will hold the value GLOG, the qualifier name.

### *Shipment.xsd*

XML Element	Type	Description
PredictedArrival	E	Denotes the Predicted Arrival time.
PredictedArrivalLow	E	Denotes the Predicted Arrival Low time.
PredictedArrivalHigh	E	Denotes the Predicted Arrival High time.

## Release 21A Added Element Definition

### *Configuration.xsd*

XML Element	Type	Description
FirstName	E	The given name of the user.
LastName	E	The surname of the user.
EmailAddress	E	The email address of the user.

### *GTM.xsd*

XML Element	Type	Description
AuthorizationTypeGid	E	Authorization type of related manual Authorization.

### *LocationContact.xsd*

XML Element	Type	Description
IsWMSFacility	E	Indicates if the location is a warehouse management system facility. Default value is N.



# 5 Changed Element Definitions

## Release 23B Changed Element Definitions

### *Shipment.xsd*

XML Type Name	Description
SSLocationType	Added <ul style="list-style-type: none"> <li>• LocationGid</li> </ul>

## Release 23A Changed Element Definitions

### *GTM.xsd*

XML Type Name	Description
GtmTransactionLineType	Added <ul style="list-style-type: none"> <li>• GtmTransactionLine</li> </ul>

### *Item.xsd*

XML Type Name	Description
ItemValueSetType	Added <ul style="list-style-type: none"> <li>• FlexFieldStrings</li> <li>• FlexFieldNumbers</li> <li>• FlexFieldDates</li> </ul>

### *Location.xsd*

XML Type Name	Description
LocationType	Added

XML Type Name	Description
	<ul style="list-style-type: none"> <li>ApptCutoffHours</li> <li>ApptBeforeCutoff</li> <li>ApptAfterCutoff</li> </ul>
ApptRuleSetType	Added <ul style="list-style-type: none"> <li>ApptCutoffHours</li> <li>ApptBeforeCutoff</li> <li>ApptAfterCutoff</li> </ul>

### *Shipment.xsd*

XML Type Name	Description
ConditionalSpotBidType	Added <ul style="list-style-type: none"> <li>Tag1</li> <li>Tag2</li> <li>Tag3</li> <li>BidComment</li> </ul>
SEquipmentType	Added <ul style="list-style-type: none"> <li>GrossCGLength</li> <li>GrossCGWidth</li> <li>GrossCGHeight</li> <li>EmptyCGLength</li> <li>EmptyCGWidth</li> <li>EmptyCGHeight</li> <li>FloorHeight</li> </ul>

## Release 22C Changed Element Definitions

### *Configuration.xsd*

XML Type Name	Description
UserType	Added <ul style="list-style-type: none"> <li>AutoApproveRuleProfileGid</li> </ul>

**Finance.xsd**

VoucherType	Added <ul style="list-style-type: none"> <li>VoucherInvoiceLineVat</li> <li>ShipmentGroup</li> <li>ShipmentGroupGid</li> </ul>
VoucherInvoiceLineVatType	Added <ul style="list-style-type: none"> <li>VoucherGid</li> <li>InvoiceGid</li> <li>LineItemSeqNumber</li> <li>VatSeqNumber</li> <li>VatCodeGid</li> <li>VatAmount</li> <li>ExchangeRateInfo</li> </ul>
AllocReleaseDetailType	Added <ul style="list-style-type: none"> <li>VatCodeGid</li> </ul>
AllocReleaseLineDetailType	Added <ul style="list-style-type: none"> <li>VatCodeGid</li> </ul>
AllocTransOrderLineDetailType	Added <ul style="list-style-type: none"> <li>VatCodeGid</li> </ul>
AllocationBaseType	Added <ul style="list-style-type: none"> <li>ShipmentGroup</li> <li>ShipmentGroupGid</li> </ul>

**LocationContact.xsd**

XML Type Name	Description
ServiceProviderType	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> <li>FlexFieldNumbers</li> <li>FlexFieldDates</li> </ul>

**Order.xsd**

XML Type Name	Description
ReleaseAllocShipmentDetailType	Added <ul style="list-style-type: none"> <li>VatCodeGid</li> </ul>

**Planning.xsd**

XML Type Name	Description
ItineraryType	Modified <ul style="list-style-type: none"> <li>ItineraryType (made optional)</li> </ul>

**Shipment.xsd**

XML Type Name	Description
ServiceProviderType	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> <li>FlexFieldNumbers</li> <li>FlexFieldDates</li> </ul>
ShipmentHeaderType	Added <ul style="list-style-type: none"> <li>ReservationNumber</li> </ul>
ShipmentHeader2Type	Added <ul style="list-style-type: none"> <li>ProjectedTourName</li> <li>ProjectedTourSequenceNum</li> </ul>
ShipmentCostType	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> <li>FlexFieldNumbers</li> <li>FlexFieldDates</li> <li>FlexFieldCurrencies</li> </ul>



## Release 22B Changed Element Definitions

### *GTM.xsd*

XML Type Name	Description
GtmStructureType	Added <ul style="list-style-type: none"> <li>AlternateDesignator</li> </ul>

## Release 22A Changed Element Definitions

### *Finance.xsd*

XML Type Name	Description
AllocReleaseDetailType	Added <ul style="list-style-type: none"> <li>AllocSeqNo</li> <li>AllocCostSeqno</li> </ul>
AllocReleaseLineDetailType	Added <ul style="list-style-type: none"> <li>AllocSeqNo</li> <li>AllocCostSeqno</li> </ul>
AllocTransOrderLineDetailType	Added <ul style="list-style-type: none"> <li>AllocSeqNo</li> <li>AllocCostSeqno</li> </ul>

### *GenericTransaction.xsd*

XML Type Name	Description
ItemQualificationType	Added <ul style="list-style-type: none"> <li>CountryOfImport</li> <li>RVCPercentage</li> <li>MinOpsMet</li> <li>ROOAttribute</li> </ul>

XML Type Name	Description
	<ul style="list-style-type: none"> <li>WhollyOriginated</li> <li>ItemQualificationConditions</li> </ul>
ItemQualificationConditionType	Added <ul style="list-style-type: none"> <li>ItemQualificationGid</li> <li>ConditionShortName</li> <li>ConditionDescription</li> <li>IsApplied</li> </ul>

### *GTM.xsd*

XML Type Name	Description
GtmTransactionLine	Added <ul style="list-style-type: none"> <li>GtmStructureValue</li> <li>CountryOfExport</li> <li>CountryOfImport</li> </ul>
GtmTransaction	Added <ul style="list-style-type: none"> <li>CountryOfExport</li> <li>CountryOfImport</li> </ul>
GtmStructureValueType	Added <ul style="list-style-type: none"> <li>GtmValueQualifierGid</li> <li>CurrencyValue</li> <li>ExchangeRateGid</li> <li>ExchangeRateDate</li> </ul>

### *Item.xsd*

XML Type Name	Description
RIQQueryType	Added <ul style="list-style-type: none"> <li>LegPosition</li> </ul>

### LocationContact.xsd

XML Type Name	Description
ApptRuleSetType	Added <ul style="list-style-type: none"> <li>MaximumShipUnitsAllowed</li> </ul>

### Order.xsd

XML Type Name	Description
ReleaseType	Added <ul style="list-style-type: none"> <li>TrackingEvents</li> </ul>
ReleaseAllocShipmentType	Added <ul style="list-style-type: none"> <li>AllocSeqNo</li> </ul>
ReleaseAllocShipmentDetailType	Added <ul style="list-style-type: none"> <li>AllocSeqNo</li> <li>AllocCostSeqno</li> </ul>
TransOrderType	Added <ul style="list-style-type: none"> <li>Status</li> </ul>

### Shipment.xsd

XML Type Name	Description
TenderResponseType	Added <ul style="list-style-type: none"> <li>ConditionalSpotBid</li> </ul>
ConditionalSpotBidType	Added <ul style="list-style-type: none"> <li>BidAmount</li> <li>PickupDate</li> <li>SourceLocationGid</li> <li>DestLocationGid</li> <li>TransportModeGid</li> <li>TransitTime</li> </ul>
VesselType	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> </ul>

XML Type Name	Description
	<ul style="list-style-type: none"> <li>FlexFieldNumbers</li> <li>FlexFieldDates</li> </ul>
ConditionalSpotBidType	Added <ul style="list-style-type: none"> <li>IsDirect</li> <li>FlightInstanceld</li> </ul>
ShipmentType	Added <ul style="list-style-type: none"> <li>IsAirRailRouteCodeFixed</li> <li>WaybillDate</li> </ul>

### *ShipUnit.xsd*

XML Type Name	Description
ShipUnitType	Added <ul style="list-style-type: none"> <li>IsFixedEruCount</li> <li>SShipUnitEquipRefUnit</li> </ul>
EquipmentRefUnitType	Modified <ul style="list-style-type: none"> <li>TotalNumReferenceUnits (made optional)</li> </ul>

## Release 21C Changed Element Definitions

### *Finance.xsd*

XML Type Name	Description
AllocReleaseDetail	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> <li>FlexFieldNumbers</li> <li>FlexFieldDates</li> <li>FlexFieldCurrencies</li> </ul>
AllocReleaseLineDetail	Added <ul style="list-style-type: none"> <li>FlexFieldStrings</li> <li>FlexFieldNumbers</li> </ul>

XML Type Name	Description
	<ul style="list-style-type: none"> <li>• FlexFieldDates</li> <li>• FlexFieldCurrencies</li> </ul>
AllocTransOrderLineDetail	<p>Added</p> <ul style="list-style-type: none"> <li>• TransOrderLineGid</li> <li>• Description</li> <li>• AccessorialCodeGid</li> <li>• Cost</li> <li>• GeneralLedgerGid</li> <li>• InvoiceGid</li> <li>• AssignedNum</li> <li>• CostTypeGid</li> <li>• FlexFieldStrings</li> <li>• FlexFieldNumbers</li> <li>• FlexFieldDates</li> <li>• FlexFieldCurrencies</li> </ul>

**GTM.xsd**

XML Type Name	Description
GtmStructure	<p>Added</p> <ul style="list-style-type: none"> <li>• PartnerGid</li> <li>• PartnerSiteGid</li> <li>• InventoryOrganizationGid</li> <li>• FlexFieldStrings</li> <li>• FlexFieldNumbers</li> <li>• FlexFieldDates</li> </ul>
GtmStructureComponent	<p>Added</p> <ul style="list-style-type: none"> <li>• PartnerGid</li> <li>• PartnerSiteGid</li> <li>• InventoryOrganizationGid</li> <li>• FlexFieldStrings</li> <li>• FlexFieldNumbers</li> <li>• FlexFieldDates</li> </ul>

**Item.xsd**

XML Type Name	Description
ItemValueSet	<p>Added</p> <ul style="list-style-type: none"> <li>• TransactionCode</li> <li>• IntSavedQuery</li> <li>• InventoryOrganizationGid</li> <li>• PartnerGid</li> <li>• PartnerSiteGid</li> <li>• PackageltemGid</li> <li>• CountryOfOriginGid</li> <li>• LotNumber</li> <li>• SerialNumber</li> <li>• SeqNumber</li> <li>• Identifier1</li> <li>• Identifier2</li> <li>• Identifier3</li> <li>• ItemValue</li> </ul>
ItemValueType	<p>Added</p> <ul style="list-style-type: none"> <li>• GtmValueQualifierGid</li> <li>• Value</li> <li>• ExchangeRateGid</li> <li>• ExchangeRateDate</li> <li>• SeqNumber</li> </ul>
ItemOrigin	<p>Added</p> <ul style="list-style-type: none"> <li>• GtmStructureGid</li> </ul> <p>Modified</p> <ul style="list-style-type: none"> <li>• CountryOfOriginGid</li> </ul>

**LocationContact.xsd**

XML Type Name	Description
ActivityTimeDef	<p>Added</p> <ul style="list-style-type: none"> <li>• ServprovProfileGid</li> <li>• EquipmentGroupProfileGid</li> </ul>
Location	<p>Added</p>

XML Type Name	Description
	<ul style="list-style-type: none"> <li>EruGrouping</li> </ul>

**Order.xsd**

XML Type Name	Description
ReleaseLine	<b>Added</b> <ul style="list-style-type: none"> <li>PackWithGroup</li> </ul>
ReleaseHeader	Added <ul style="list-style-type: none"> <li>EarlySailDt</li> <li>LateSailDt</li> <li>VoyageGid</li> </ul>

**Rate.xsd**

XML Type Name	Description
RATE_GEO_COST	Added <ul style="list-style-type: none"> <li>OPERAND_QUALIFIER1</li> <li>OPERAND_QUALIFIER2</li> <li>OPERAND_QUALIFIER3</li> <li>OPERAND_QUALIFIER4</li> <li>CHARGE_QUALIFIER1</li> <li>CHARGE_QUALIFIER2</li> <li>CHARGE_BREAK_COMP_QUALIFIER1</li> <li>CHARGE_BREAK_COMP_QUALIFIER2</li> </ul>
ACCESSORIAL_COST	Added <ul style="list-style-type: none"> <li>OPERAND_QUALIFIER1</li> <li>OPERAND_QUALIFIER2</li> <li>OPERAND_QUALIFIER3</li> <li>OPERAND_QUALIFIER4</li> <li>CHARGE_QUALIFIER1</li> <li>CHARGE_QUALIFIER2</li> <li>CHARGE_BREAK_COMP_QUALIFIER1</li> <li>CHARGE_BREAK_COMP_QUALIFIER2</li> </ul>

### ***Shipment.xsd***

XML Type Name	Description
ShipmentStop	Added <ul style="list-style-type: none"> <li>• PredictedArrival</li> <li>• PredictedArrivalLow</li> <li>• PredictedArrivalHigh</li> </ul>

## Release 21A Changed Element Definitions

### ***Configuration.xsd***

XML Type Name	Description
User	Added <ul style="list-style-type: none"> <li>• FirstName</li> <li>• LastName</li> <li>• EmailAddress</li> </ul>

### ***Document.xsd***

XML Type Name	Description
Document	Modified <ul style="list-style-type: none"> <li>• EffectiveDate</li> <li>• ExpirationDate</li> </ul>

### ***Finance.xsd***

XML Type Name	Description
WorkInvoice	Modified <ul style="list-style-type: none"> <li>• WorkInvoiceGid</li> </ul>
PaymentHeader	Modified <ul style="list-style-type: none"> <li>• DomainName</li> </ul>



**GTM.xsd**

XML Type Name	Description
ControlScreeningResult	Added <ul style="list-style-type: none"> <li>AuthorizationTypeGid</li> </ul>
ProductClassification	Modified <ul style="list-style-type: none"> <li>TradeDirection</li> </ul>
UserDefinedType	Modified <ul style="list-style-type: none"> <li>TypeGid</li> <li>Code</li> </ul>
UserDefinedCode	Modified <ul style="list-style-type: none"> <li>TypeGid</li> <li>Code</li> </ul>
GtmRegistrationDate	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>
GtmRegRelatedItem	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>
GtmRegRelatedCommodity	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>
GtmRegRelatedUDCommodity	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>
GtmRegRelatedLicense	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>
GtmRegRelatedRegistration	Modified <ul style="list-style-type: none"> <li>GtmRegistrationGid</li> </ul>

**Item.xsd**

XML Type Name	Description
HazmatItem	Modified <ul style="list-style-type: none"> <li>HazmatIndicator</li> </ul>

XML Type Name	Description
	<ul style="list-style-type: none"> <li>HotIndicator</li> <li>ResidueIndicator</li> </ul>
GtmValue	Modified <ul style="list-style-type: none"> <li>ExchangeRateInfo</li> </ul>

**LocationContact.xsd**

XML Type Name	Description
Multiple Types	Modified <ul style="list-style-type: none"> <li>Primary key element (GID/Sequence) as optional when using Integration Saved Query</li> </ul>
Location	Added <ul style="list-style-type: none"> <li>IsWMSFacility</li> </ul>
Contact	Modified <ul style="list-style-type: none"> <li>UseGICredential</li> </ul>

**Order.xsd**

XML Type Name	Description
Multiple Types	Modified <ul style="list-style-type: none"> <li>Primary key element (GID/Sequence) as optional when using Integration Saved Query</li> </ul>
SrcLoc	Modified <ul style="list-style-type: none"> <li>QuoteLocInfo</li> </ul>
DestLoc	Modified <ul style="list-style-type: none"> <li>QuoteLocInfo</li> </ul>
ReleaseLine	Modified <ul style="list-style-type: none"> <li>ReleaseLineGid</li> </ul>

### Planning.xsd

XML Type Name	Description
Multiple Types	Modified <ul style="list-style-type: none"> <li>Primary key element (GID/Sequence) as optional when using Integration Saved Query</li> </ul>
Itinerary	Modified <ul style="list-style-type: none"> <li>IsMultiStop</li> <li>Perspective</li> <li>TotalCost</li> <li>TotalTransitTime</li> <li>IsDestBundlePreferred</li> <li>Rank</li> <li>IsActive</li> <li>IsRule11</li> </ul>
ServiceTime	Modified <ul style="list-style-type: none"> <li>Duration</li> </ul>

### Shipment.xsd

XML Type Name	Description
Multiple Types	Modified <ul style="list-style-type: none"> <li>Primary key element (GID/Sequence) as optional when using Integration Saved Query</li> </ul>
ShipmentStatus	Modified <ul style="list-style-type: none"> <li>ShipmentStatusType</li> </ul>
ShipUnit	Modified <ul style="list-style-type: none"> <li>SShipUnit</li> </ul>

### Shipunit.xsd

XML Type Name	Description
ShipUnit	Modified <ul style="list-style-type: none"> <li>SShipUnit</li> </ul>
SEquipmentSShipUnitInfo	Modified

XML Type Name	Description
	<ul style="list-style-type: none"><li>• NumStackingLayers</li><li>• NumLoadingRows</li></ul>

***TransmissionCommon.xsd***

XML Type Name	Description
<i>Multiple Types</i>	Modified <ul style="list-style-type: none"><li>• Primary key element (GID/Sequence) as optional when using Integration Saved Query</li></ul>

# 6 Removed, Restructured, and Deprecated Elements

## Summary of Removed or Restructured Elements

This section summarizes the elements that have been removed from the schema or have had a major modification such that it will require clients to modify their existing integration code to comply with the change. These elements will normally have been deprecated in a previous release. Exceptions to this process will be clearly stated. The location of the element is given as an XPATH expression relative to the schema document root.

### Release 23B

None

### Release 23A

None

### Release 22C

None

### Release 22B

None.

### Release 22A

None.

### Release 21C

None.

### Release 21A

None.

## Summary of Deprecated Elements

This section summarizes the elements that have been deprecated in this release. Deprecated elements have been left in the schema to minimize the impact to clients, but will be removed in the next major release. For elements that have

been renamed, the old and new element names will be supported on the inbound, but only the new name will be sent on the outbound. The location of the element is given as an XPATH expression relative to the schema document root.

## Release 23B

None

## Release 23A

None

## Release 22C

### *Item.xsd*

XML Element	Description
ItemQualificationType/ IsQualified	This element is deprecated and its value is reflected in QualificationStatus as 'QUALIFIED' or 'NOT QUALIFIED'. Any existing integrations using this element should be updated as this element will be removed in the next major release.

## Release 22B

None.

## Release 22A

### *Order.xsd*

XML Element	Description
OrderMovement/ IsTemporary	This element is deprecated and is not used anymore. Any existing integrations using this element should be updated as this element will be removed in the next release.

## Release 21C

None.

## Release 21A

### *Item.xsd*

XML Element	Description
GtmItemClassification/TradeDirection	This element is deprecated and is not used anymore. Any existing integrations using this element should be updated as this element will be removed in the next release.

***LocationContact.xsd***

XML Element	Description
Contact/IntQueueName	Functionality removed. Value will be ignored and field will be removed in a future release.

