

Mail.XML Version 24.1

System Messages Specification

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Abstract

This document describes the messaging protocol for use by mailers and their consignees. The Mail.XML™ Transaction Protocol defines the roles and responsibilities of Shippers and Consignees and defines the format and method for message exchange. This messaging protocol is designed to be XML and Web-Services compliant.

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About Mail.XML™

Mail.XML™ is bringing a paradigm change to the industry by increasing business function specific B2B (Business to Business) communication within the industry that supports automation and in the end enables cost avoidance and higher profits through improved competence and effectiveness of communication. Mail.XML is designed to increase efficiency and lower costs by removing many manual data entry processes and enabling quick near real time communication between business partners. Mail.XML currently supports container based scheduling, pick up and drop off business processes, as well as identifying different business entities responsible for performing different services such as quality of mailing, address correction, and delivery confirmation on a mailing. The core focus of Mail.XML is communication between industry members and from industry to the final mail processing and delivery organization that delivers the mail to the end consumer, e.g., USPS. In the next few versions of Mail.XML the focus moves across mailing supply chain channels, and includes advanced functions such as payment; automated verification; enabling first, second, and third-party communication and incorporating presort planning, printing, and distribution processes.

What's New in Mail.XML Version 24.1?

With this release, the Mail.XML Messaging Protocol moves to Version 24.1. This release supports structure changes required by mailing industry and Postal Service.

Changes supported by Mail.XML 24.1 include:

- CR 2411 – Modification to RateCategoryType, to include a value of B2 to represent High Density Flats Carrier Route Bundles on Pallets
- CR 2412 – Updates to CharacteristicIncentiveType to include enumerations from 0X to 9X to make values consistent with list of Content values and with Mail.dat
- CR 2410 – Updates to ZoneIType to support Zone 10 (represented as value A) for USPS competitive products

About Mail.XML Schema Modularization

Today Mail.XML messages are grouped into 8 message types.

- Transportation Messages (TM)
- Mailing Messages (MM)
- Data Distribution Messages (DD)
- Dynamic Payment Template Messages
- Identification Messages (ID)
- Supply Chain Messages (SC)

- Informed Visibility (IV)
- System Messages
- Base: Shared simple types
- Definitions: Shared complex types and elements

The simple types shared across 2 or more modules are found in the Base schema. Likewise, the shared definitions module contains complex type definitions and elements that are shared across 2 or more modules.

Mail.XML Module Versioning Rules

The following versioning rules will be followed:

The Mail.XML wrapper schema**(.xsd) will always be given the next higher version number (or Errata designation) when any update is made to base, defs or any module. The name of the .xsd file will indicate the new version and the new version number will be used in the namespace and target declarations: xmlns:mailxml=<http://delivery-tech.org/Specs/mailxml24.1/mailxml> targetNamespace=<http://delivery-tech.org/Specs/mailxml24.1/mailxml>

- When updates are made, only those modules that are updated will be given the next higher version number (or Errata letter designation).
- If updates are made to the base or defs, then the base and defs xsds will be given the next higher version number (or Errata designation) and all modules that call to them will also be given the next higher version number (or Errata designation).

For example:

- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.org/Specs/mailxml24.1A/mailxml" then at least one of the XSDs is at same version such as filename ='Mail.XML_24.1A.xsd' <- Errata A
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.org/Specs/mailxml24.1B/mailxml" then at least one of the XSDs is at same version such as filename ='Mail.XML_24.1B.xsd' <- Errata B
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.org/Specs/mailxml24.1/mailxml" then at least one of the XSDs is at same version such as filename ='Mail.XML_24.1.xsd' <- Major Version

Mail.XML 24.1 XSD Modules:

The following Mail.XML XSD modules/namespaces are used:

Note: Actual xsd filenames include the version number (e.g. *mailxml_base_24.1.xsd*).

- mailxml_tm.xsd: This module contains all the transportation (or FAST) messages and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_tm:
- mailxml_mm.xsd: This module contains all the mailing messages (eDoc) and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_mm:

- mailxml_iv.xsd: This module contains informed visibility messages and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_iv:
- mailxml_dd.xsd: This module contains all the data distribution messages and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_dd:
- mailxml_id.xsd: This module contains all the identification messages and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_id:
- mailxml_sc.xsd: This module contains all the supply chain messages and the attributes, elements and complex types that are unique to these messages. Namespace=mailxml_sc:
- mailxml_defs.xsd: This module contains all the common definitions of attributes, elements and mailxml_base.xsd: This module contains simple types that are shared across two or more modules that make up Mail.XML. These can be considered a building block for any message group. Namespace=mailxml_base:
- mailxml.xsd: This module contains the system messages of Mail.XML and is used to build custom profiles for Mail.XML. Namespace=mailxml:

The Mail.XML™ 24 Messaging Documentation Set

The Mail.XML Messaging Specification has been organized into a set of documents. This *Schemas Specification* is one document in a set of documents that make up the Mail.XML Specification 23.0. Updates in this Specification are NOT backwardly compatible with previous versions. Other documents in the specification set include:

- Mail.XML™ 24.1: Transportation Messaging Specification documents all transportation messages
- Mail.XML™ 24.1: Mailing Messaging Specification documents all mailing messages
- Mail.XML™ 24.1: Informed Visibility Specification documents all informed visibility messages
- Mail.XML™ 24.1: Data Distribution Messaging Specification documents all data distribution messages
- Mail.XML™ 24.1: Identification Messaging Specification documents all identification messages
- Mail.XML™ 24.1: Supply Chain Messaging Specification documents all supply chain messages
- Mail.XML™ 24.1: System Messaging Specification documents all systems and fault messages
- Mail.XML™ 24.1: Simple Types Specification documents all simple types used across Mail.XML messages
- Mail.XML™ 24.1: Common Definitions Specification documents all shared elements and complex types.
- Mail.XML™ 24.1: Schemas contains the .XSDs that make up the Mail.XML Messaging Specification

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1 Index

schema location: **mailxml_defs_24.1.xsd**
attributeFormDefault: **qualified**
elementFormDefault: **qualified**
targetNamespace: **http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs**

Elements

ContainerDetailData
ContainerInfoData

DataRecipient
ExtraServiceData
LargeTransactionDivider

LargeTransactionDividerResult
QueryError

Complex types

addressType
basicReturnInfoType

commonContactType
consigneeFacilityType
consolidatorCommunicationInfoType
contactIDType

ContainerDiscrepancyType

containerErrorWarningBlockType
containerIDType
ContainerInductedType
containerInfoDataType
containerKeysInfoType
containerPostInductionInfoType
containerPreInductionInfoType
containerReleaseInfoType
containerStatusInfoType
contentIDType
CSQContainerDetailDataType
CSQcontainerInfoDataType
CSQlinkingContainerIDType
documentVersionDataforCSQType
errorWarningType
fullContainerIDType
gPSCoordinates
IMcbAndIMtbPieceScanInfoType
IMcbPieceScanInfoType
IMtbPieceScanInfoType
inductionCloseoutInfoType
inductionIssuesType
InductionProblemType

Simple types

bundleScanTypeType
containerDiscrepancyCategoryType
containerScanStateType
containerStatusType
countTypeType

einductionDataSourceType

fullServiceComplianceIndicatorType
MPSQueryType
MPSStateType
pieceScanEventTypeType
problemCategoryType
problemTypeType
reasonCodeType
retrieveDataByType

intelligentMailBarcodeType
intelligentMailPackageBarcodeType
e
maildatContainerIDType
MaildatMPUIInfoType
mailPieceIDType
MailXMLContainerIDType
mailxmlDetailType
measurementType
MIDType
MPSRBlockType
MPSVisIncludedInScanRecFlagType
e
MPSVisResultOptionsType
palletHandoffInfoType
participantIDType
permitPublicationDataType
pickupApptBlockResponseType
postageStatementSummaryType
PSRBlockType
queryErrorType
returnInfoType
scanEventType
submittingSoftwareType
zipCode

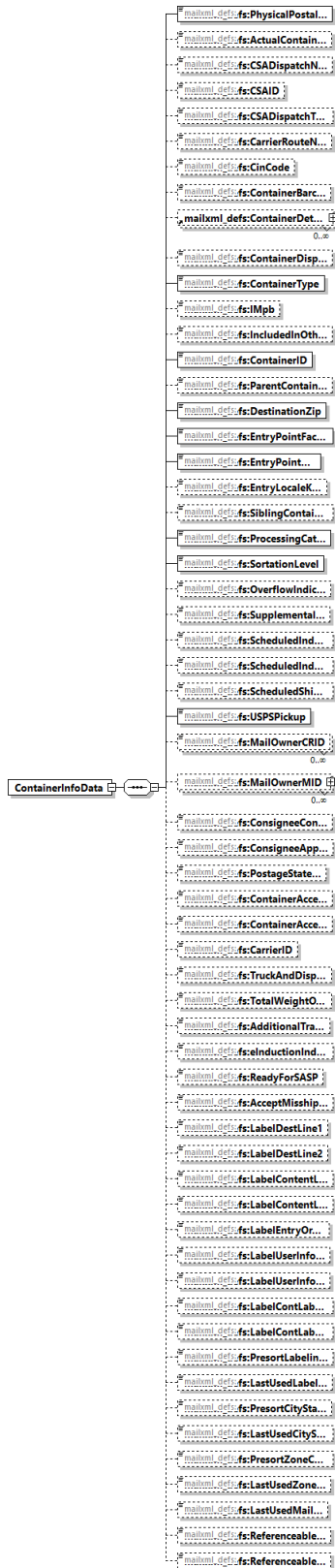
2 Elements

element **ContainerDetailData**

diagram	<pre> graph LR CDD[ContainerDetailData] --- MO[mailxml_defs:fs:MailOwner] CDD --- CID[mailxml_defs:fs:ContainerDetailID] CDD --- CRN[mailxml_defs:fs:CarrierRouteNumber] CDD --- CP[mailxml_defs:fs:CumulativePostage] CDD --- EDT[mailxml_defs:fs:EntryDiscountType] CDD --- MESN[mailxml_defs:fs:MailEndSeqNo] CDD --- MSN[mailxml_defs:fs:MailStartSeqNo] CDD --- P[mailxml_defs:fs:Postage] CDD --- RL[mailxml_defs:fs:RateLevel] CDD --- TC[mailxml_defs:fs:TotalCopies] CDD --- TP[mailxml_defs:fs:TotalPieces] CDD --- Z[mailxml_defs:fs:Zone] CDD --- VID[mailxml_defs:fs:VersionID] CDD --- ZTF[mailxml_defs:fs:ZipThreeFive] CDD --- IOCI[mailxml_defs:fs:InOutCountyIndicator] CDD --- RLI[mailxml_defs:fs:RateLevelIndicator] CDD --- CCL[mailxml_defs:fs:ContainerChargeContainerLevel] CDD --- AP[mailxml_defs:fs:ActualPieces] CDD --- SLI[mailxml_defs:fs:ServiceLevelIndicator] </pre>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MailOwner mailxml_defs:ContainerDetailID mailxml_defs:CarrierRouteNumber mailxml_defs:CumulativePostage mailxml_defs:EntryDiscountType mailxml_defs:MailEndSeqNo mailxml_defs:MailStartSeqNo mailxml_defs:Postage mailxml_defs:RateLevel mailxml_defs:TotalCopies mailxml_defs:TotalPieces mailxml_defs:Zone mailxml_defs:VersionID mailxml_defs:ZipThreeFive mailxml_defs:InOutCountyIndicator mailxml_defs:RateLevelIndicator mailxml_defs:ContainerChargeContainerLevel mailxml_defs:ActualPieces mailxml_defs:ServiceLevelIndicator
used by	element ContainerInfoData complexType containerInfoDataType

element ContainerInfoData

diagram

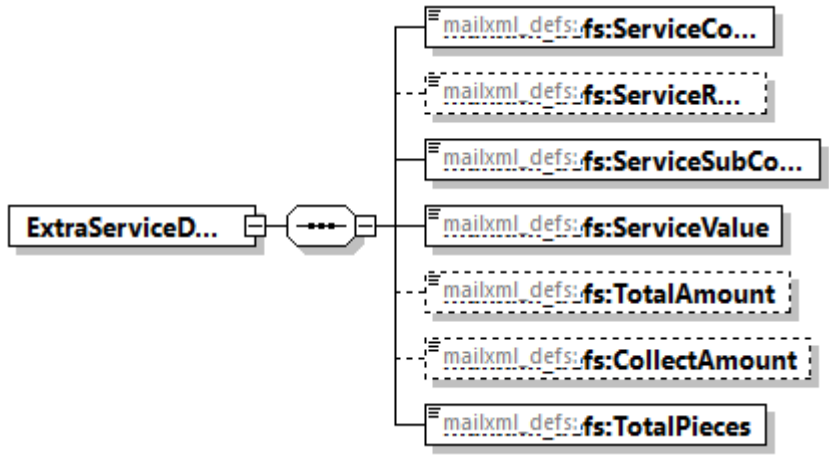


namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:PhysicalPostalCodeEntryPoint mailxml_defs:ActualContainerShipDateTime mailxml_defs:CSADispatchNumber mailxml_defs:CSAID mailxml_defs:CSADispatchTime mailxml_defs:CarrierRouteNumber mailxml_defs:CinCode mailxml_defs:ContainerBarcode mailxml_defs:ContainerDetailData mailxml_defs:ContainerDisplayName mailxml_defs:ContainerType mailxml_defs:IMpb mailxml_defs:IncludedInOtherDoc mailxml_defs:ContainerID mailxml_defs:ParentContainerID mailxml_defs:DestinationZip mailxml_defs:EntryPointFacilityType mailxml_defs:EntryPointZip mailxml_defs:EntryLocaleKey mailxml_defs:SiblingContainerID mailxml_defs:ProcessingCategory mailxml_defs:SortationLevel mailxml_defs:OverflowIndicator mailxml_defs:SupplementalPhysicalContainerID mailxml_defs:ScheduledInductionDateStartTime mailxml_defs:ScheduledInductionDateEndTime mailxml_defs:ScheduledShipDateTime mailxml_defs:USPSPickup mailxml_defs:MailOwnerCRID mailxml_defs:MailOwnerMID mailxml_defs:ConsigneeContentID mailxml_defs:ConsigneeApptID mailxml_defs:PostageStatementMailingDate mailxml_defs:ContainerAcceptanceDate mailxml_defs:ContainerAcceptanceTime mailxml_defs:CarrierID mailxml_defs:TruckAndDispatchNumber mailxml_defs:TotalWeightOfContainer mailxml_defs:AdditionalTrayPostageAmount mailxml_defs:eInductionIndicator mailxml_defs:ReadyForSASP mailxml_defs:AcceptMisshipped mailxml_defs:LabelDestLine1 mailxml_defs:LabelDestLine2 mailxml_defs:LabelContentLine1 mailxml_defs:LabelContentLine2 mailxml_defs:LabelEntryOriginPointLine mailxml_defs:LabelUserInfoLine1 mailxml_defs:LabelUserInfoLine2 mailxml_defs:LabelContLabelCINCode mailxml_defs:LabelContLabelType mailxml_defs:PresortLabelingListEffectiveDate mailxml_defs:LastUsedLabelingListEffectiveDate mailxml_defs:PresortCityStatePublicationDate mailxml_defs:LastUsedCityStatePublicationDate mailxml_defs:PresortZoneChartMatrixPublicationDate mailxml_defs:LastUsedZoneChartMatrixPublication mailxml_defs:LastUsedMailDirectionPublicationDate mailxml_defs:ReferenceableMailDateStart mailxml_defs:ReferenceableMailDateEnd


element **DataRecipient**

diagram	<pre> graph LR DR[DataRecipient] --- C((...)) C --- CRID[mailxml_defs:fs:CRID] C --- Role[mailxml_defs:fs:Role] </pre>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:CRID mailxml_defs:Role

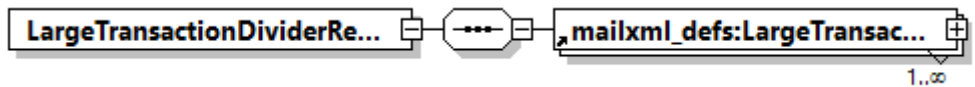
element **ExtraServiceData**

diagram	 <p>The diagram shows the ExtraServiceData element (solid box) connected to a container (dashed box) which then branches into seven child elements: mailxml_defs:fs:ServiceCo..., mailxml_defs:fs:ServiceR..., mailxml_defs:fs:ServiceSubCo..., mailxml_defs:fs:ServiceValue, mailxml_defs:fs:TotalAmount, mailxml_defs:fs:CollectAmount, and mailxml_defs:fs:TotalPieces. The first three are solid boxes, and the last four are dashed boxes.</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ServiceCode mailxml_defs:ServiceRate mailxml_defs:ServiceSubCode mailxml_defs:ServiceValue mailxml_defs:TotalAmount mailxml_defs:CollectAmount mailxml_defs:TotalPieces

element **LargeTransactionDivider**

diagram	 <p>The diagram shows the LargeTransactionDivider element (solid box) connected to a container (dashed box) which then connects to the mailxml_defs:fs:TrackingID element (solid box).</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:TrackingID
used by	element LargeTransactionDividerResult

element **LargeTransactionDividerResult**

diagram	 <p>The diagram shows the LargeTransactionDividerResult element (solid box) connected to a container (dashed box) which then connects to the mailxml_defs:LargeTransac... element (solid box). A cardinality of 1..∞ is indicated at the end of the connection.</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:LargeTransactionDivider

element **QueryError**

diagram	 <p>The diagram shows the QueryErr... element (solid box) connected to a container (dashed box) which then connects to the mailxml_defs:fs:ReturnInfo element (solid box). Below the diagram, the text reads: "Error issued when the query data cannot be provided."</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs

children	mailxml_defs:ReturnInfo
annotation	documentation Error issued when the query data cannot be provided.

complexType **addressType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
children	mailxml_defs:Address1 mailxml_defs:Address2 mailxml_defs:Address3 mailxml_defs:Address4 mailxml_defs:City mailxml_defs:County mailxml_defs:State mailxml_defs:ZipCode mailxml_defs:GPSCoordinates					
used by	elements	consigneeFacilityType/FacilityAddress consigneeFacilityType/FacilityAddress				
attributes	Name	Type	Us e	Defaul t	Fixe d	Annotatio n
	mailxml_defs:CommunicationRole	mailxml_base:communicationRoleType				

complexType **basicReturnInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ReturnCode mailxml_defs:ReturnDescription mailxml_defs:errorWarning mailxml_defs:ContainerErrorWarningBlock
used by	element QueryError/ReturnInfo

complexType **commonContactType**

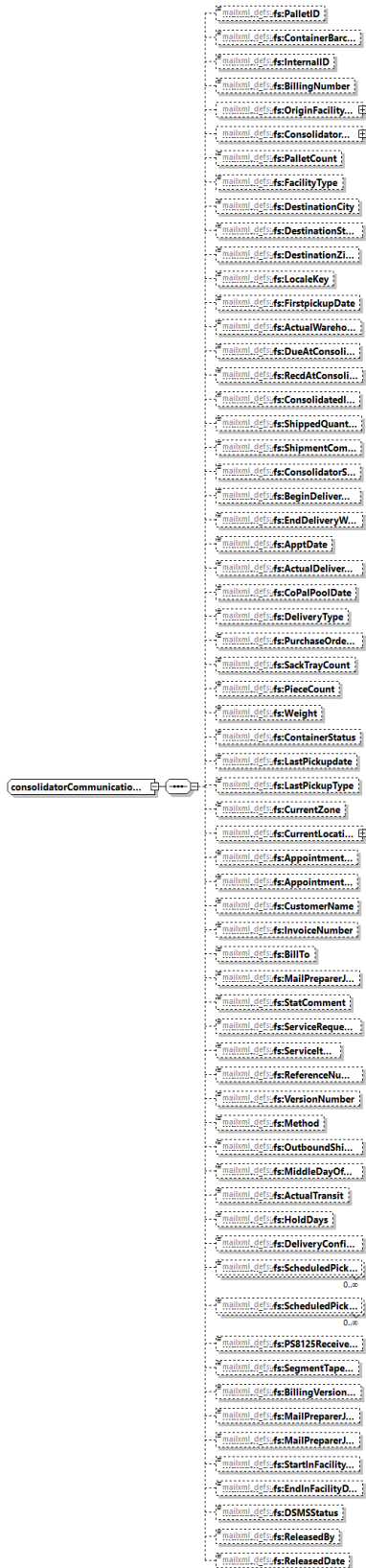
diagram	<pre>graph LR commonContactType[commonContactType] --- attributes[attributes] attributes --- ContactType[mailxml_defs:fs:ContactType] commonContactType --- sequence[...] sequence --- ContactName[mailxml_defs:fs:ContactName] sequence --- Telephone[mailxml_defs:fs:Telephone] sequence --- MobilePhone[mailxml_defs:fs:MobilePhone] sequence --- Email[mailxml_defs:fs:Email] sequence --- Fax[mailxml_defs:fs:Fax] sequence --- GPSCoordina[mailxml_defs:fs:GPSCoordina...] sequence --- ContactID[mailxml_defs:fs:ContactID] ContactID --- cardinality[0..∞]</pre>												
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs												
children	mailxml_defs:ContactName mailxml_defs:Telephone mailxml_defs:MobilePhone mailxml_defs:Email mailxml_defs:Fax mailxml_defs:GPSCoordinates mailxml_defs:ContactID												
used by	elements inductionCloseoutInfoType/ApptCloseOutEmployeeContactInfo consigneeFacilityType/CommonContact												
attributes	<table><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr><tr><td>mailxml_defs:ContactType</td><td>mailxml_base:contactType</td><td>required</td><td></td><td></td><td></td></tr></table>	Name	Type	Use	Default	Fixed	Annotation	mailxml_defs:ContactType	mailxml_base:contactType	required			
Name	Type	Use	Default	Fixed	Annotation								
mailxml_defs:ContactType	mailxml_base:contactType	required											

complexType **consigneeFacilityType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:CompanyName mailxml_defs:FacilityNumber mailxml_defs:FacilityAddress mailxml_defs:FacilityAddress mailxml_defs:FacilityName mailxml_defs:FacilityType mailxml_defs:URL mailxml_defs:CommonContact
used by	elements pickupApptBlockResponseType/ConsigneeFacility returnInfoType/ConsigneeFacility consolidatorCommunicationInfoType/ConsolidatorFacilityInfo consolidatorCommunicationInfoType/CurrentLocation containerStatusInfoType/eDocFacility containerStatusInfoType/InductionFacility consolidatorCommunicationInfoType/OriginFacilityInfo pickupApptBlockResponseType/PickupLocation containerStatusInfoType/PlannedAppointmentFacility

complexType **consolidatorCommunicationInfoType**

diagram



namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:PalletID mailxml_defs:ContainerBarcode mailxml_defs:InternalID mailxml_defs:BillingNumber mailxml_defs:OriginFacilityInfo mailxml_defs:ConsolidatorFacilityInfo mailxml_defs:PalletCount mailxml_defs:FacilityType mailxml_defs:DestinationCity mailxml_defs:DestinationState mailxml_defs:DestinationZipCode mailxml_defs:LocaleKey mailxml_defs:FirstpickupDate mailxml_defs:ActualWarehouseDate mailxml_defs:DueAtConsolidatorDate mailxml_defs:RecdAtConsolidatorDate mailxml_defs:ConsolidatedInventoryStatus mailxml_defs:ShippedQuantity mailxml_defs:ShipmentComplete mailxml_defs:ConsolidatorShipDate mailxml_defs:BeginDeliveryWindowDate mailxml_defs:EndDeliveryWindowDate mailxml_defs:ApptDate mailxml_defs:ActualDeliveryDate mailxml_defs:CoPalPoolDate mailxml_defs:DeliveryType mailxml_defs:PurchaseOrderNumber mailxml_defs:SackTrayCount mailxml_defs:PieceCount mailxml_defs:Weight mailxml_defs:ContainerStatus mailxml_defs>LastPickupdate mailxml_defs>LastPickupType mailxml_defs:CurrentZone mailxml_defs:CurrentLocation mailxml_defs:AppointmentDate mailxml_defs:AppointmentNumber mailxml_defs:CustomerName mailxml_defs:InvoiceNumber mailxml_defs:BillTo mailxml_defs:MailPreparerJobID mailxml_defs:StatComment mailxml_defs:ServiceRequestID mailxml_defs:ServiceItem mailxml_defs:ReferenceNumber mailxml_defs:VersionNumber mailxml_defs:Method mailxml_defs:OutboundShippingDate mailxml_defs:MiddleDayOfTransit mailxml_defs:ActualTransit mailxml_defs:HoldDays mailxml_defs:DeliveryConfirmation mailxml_defs:ScheduledPickupDateStart mailxml_defs:ScheduledPickupDateEnd mailxml_defs:PS8125ReceivedDate mailxml_defs:SegmentTapeCode mailxml_defs:BillingVersionNumber mailxml_defs:MailPreparerJobName mailxml_defs:MailPreparerJobNumber mailxml_defs:StartInFacilityDate mailxml_defs:EndInFacilityDate mailxml_defs:DSMSStatus mailxml_defs:ReleasedBy mailxml_defs:ReleasedDate
used by	element containerStatusInfoType/ConsolidatorCommunicationInfo

complexType **contactIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IDValue mailxml_defs:IDValueType
used by	element commonContactType/ContactID

complexType ContainerDiscrepancyType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ContainerDiscrepancyID mailxml_defs:ContainerDiscrepancyDescription mailxml_defs:ContainerDiscrepancyCategory mailxml_defs:ContainerDiscrepancyCount
used by	element inductionCloseoutInfoType/ContainerDiscrepancies

complexType containerErrorWarningBlockType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ConsigneeContainerGroupingID mailxml_defs:ConsigneeContentID mailxml_defs:ShipperContainerGroupingID mailxml_defs:IMcb mailxml_defs:IMtb mailxml_defs:IMpb mailxml_defs:MailContentName mailxml_defs:SchedulerContentID
used by	elements basicReturnInfoType/ContainerErrorWarningBlock returnInfoType/ContainerErrorWarningBlock

complexType containerIDType

diagram	
---------	--

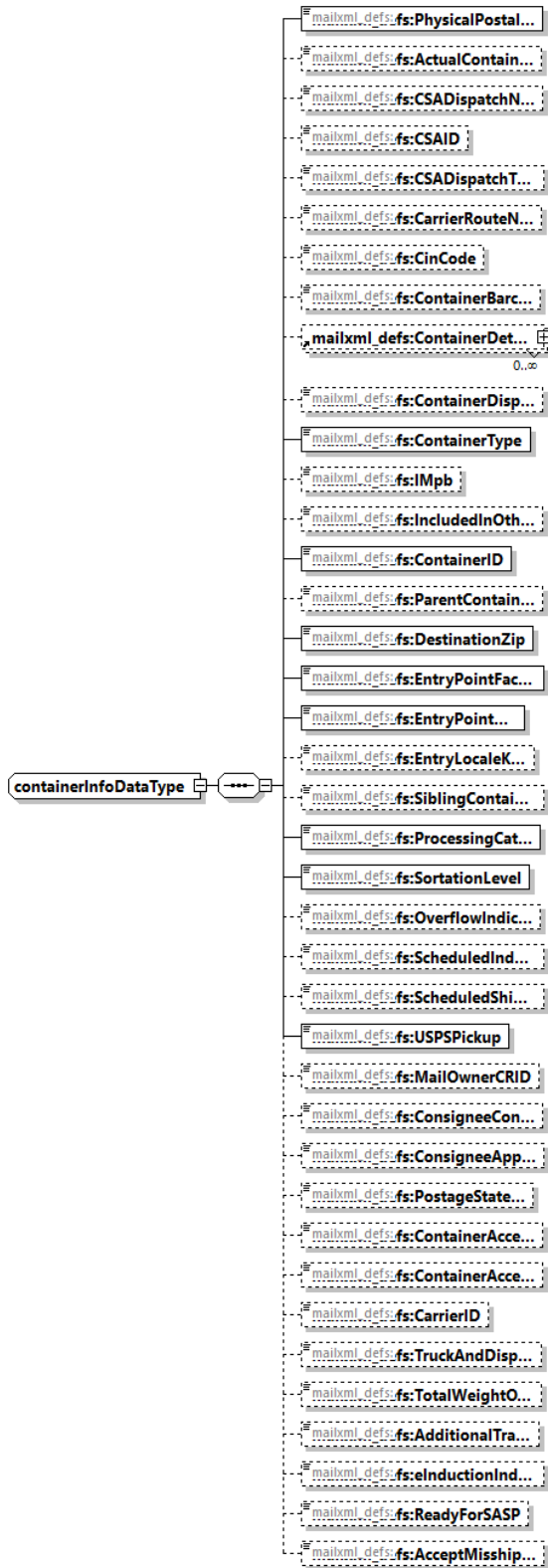
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MaildatContainer mailxml_defs:MailXMLContainer
used by	elements containerStatusInfoType/ContainerID ContainerInductedType/ContainerID ContainerInductedType/eInductionContainerID

complexType **ContainerInductedType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:eInductionContainerID mailxml_defs:IMcb mailxml_defs:ContainerID mailxml_defs:JobID mailxml_defs:MailingGroupID mailxml_defs:ConsigneeContainerManifestID mailxml_defs:ContainerUnloadTime mailxml_defs:ContainerUnloadState mailxml_defs:IrregularIndicator mailxml_defs:FullServiceIndicator
used by	element inductionCloseoutInfoType/ContainersInducted

complexType **containerInfoDataType**

diagram



namespace http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs

children	mailxml_defs:PhysicalPostalCodeEntryPoint mailxml_defs:ActualContainerShipDateTime mailxml_defs:CSADispatchNumber mailxml_defs:CSAID mailxml_defs:CSADispatchTime mailxml_defs:CarrierRouteNumber mailxml_defs:CinCode mailxml_defs:ContainerBarcode mailxml_defs:ContainerDetailData mailxml_defs:ContainerDisplayName mailxml_defs:ContainerType mailxml_defs:IMpb mailxml_defs:IncludedInOtherDoc mailxml_defs:ContainerID mailxml_defs:ParentContainerID mailxml_defs:DestinationZip mailxml_defs:EntryPointFacilityType mailxml_defs:EntryPointZip mailxml_defs:EntryLocaleKey mailxml_defs:SiblingContainerID mailxml_defs:ProcessingCategory mailxml_defs:SortationLevel mailxml_defs:OverflowIndicator mailxml_defs:ScheduledInductionDateTime mailxml_defs:ScheduledShipDateTime mailxml_defs:USPSPickup mailxml_defs:MailOwnerCRID mailxml_defs:ConsigneeContentID mailxml_defs:ConsigneeApptID mailxml_defs:PostageStatementMailingDate mailxml_defs:ContainerAcceptanceDate mailxml_defs:ContainerAcceptanceTime mailxml_defs:CarrierID mailxml_defs:TruckAndDispatchNumber mailxml_defs:TotalWeightOfContainer mailxml_defs:AdditionalTrayPostageAmount mailxml_defs:eInductionIndicator mailxml_defs:ReadyForSASP mailxml_defs:AcceptMisshipped
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complexType **containerKeysInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMcb mailxml_defs:IMtb mailxml_defs:ContainerID mailxml_defs:ContainerType mailxml_defs:FSNonFSAvailabilityDate mailxml_defs:FullServiceIndicator
used by	element containerStatusInfoType/ContainerKeysInfo

complexType **containerPostInductionInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:UniqueBarcodeValidation mailxml_defs:EPDValidation mailxml_defs:PaymentValidation mailxml_defs:NewZoneValidation mailxml_defs:LabelingListValidation mailxml_defs:PostInductionStatus mailxml_defs:ReturnInfo
used by	element containerStatusInfoType/PostInductionInfo

complexType **containerPreInductionInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:BarcodeForma... mailxml_defs:UniqueBarcod... mailxml_defs:EPDValidation mailxml_defs:SingleAppoint... mailxml_defs:IMcbToAppoi... mailxml_defs:PaymentValid... mailxml_defs:LabelingListV... mailxml_defs:TransportedM... mailxml_defs:ContainerMan... mailxml_defs:NewZoneValid... mailxml_defs:PreInductionS... mailxml_defs:ReturnInfo
used by	

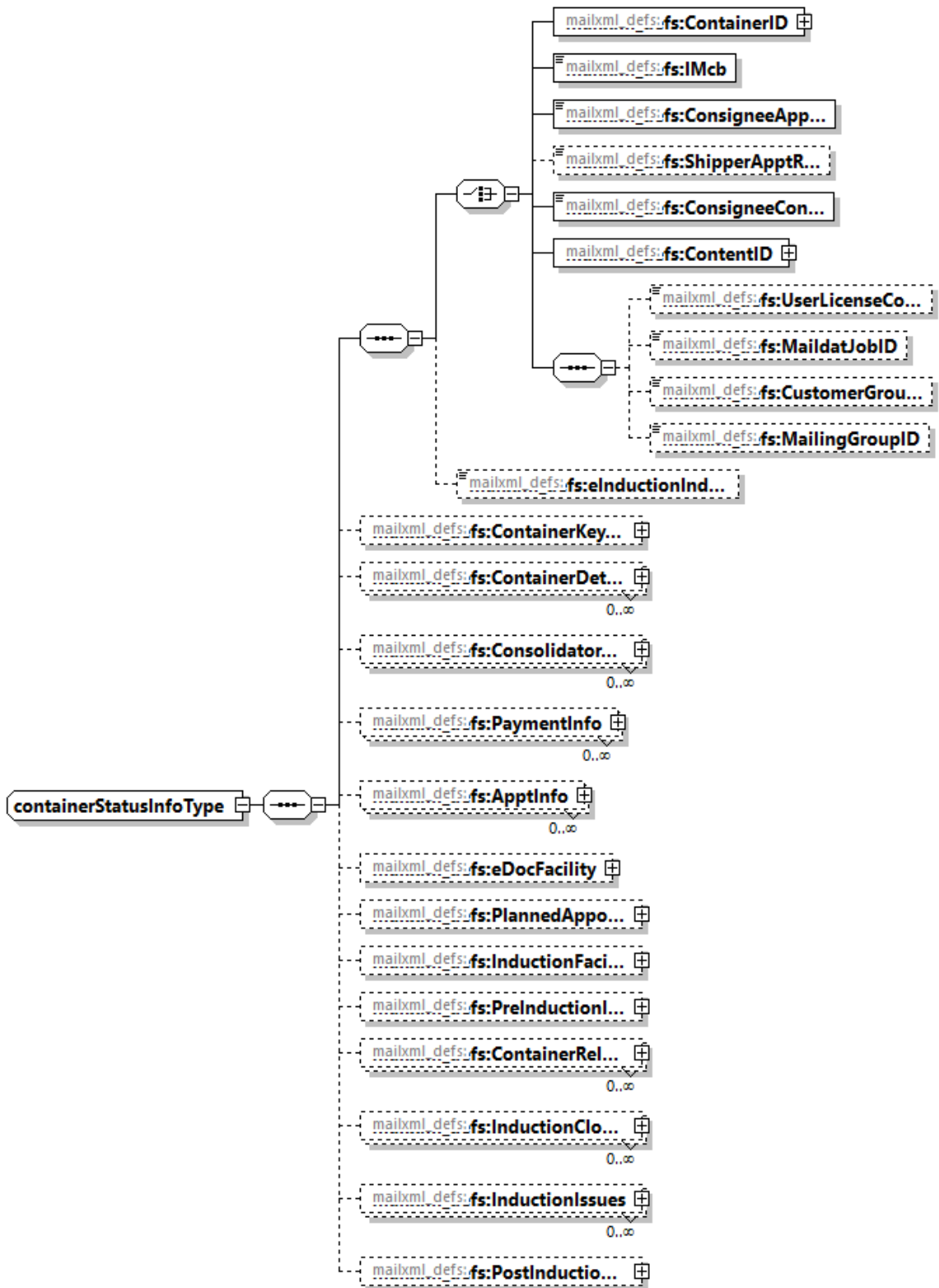
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:BarcodeFormatValidation mailxml_defs:UniqueBarcodeValidation mailxml_defs:EPDValidation mailxml_defs:SingleAppointmentValidation mailxml_defs:IMcbToAppointmentLinage mailxml_defs:PaymentValidation mailxml_defs:LabelingListValidation mailxml_defs:TransportedMailAppointmentValidation mailxml_defs:ContainerManifestValidation mailxml_defs:NewZoneValidation mailxml_defs:PreInductionStatus mailxml_defs:ReturnInfo
used by	element containerStatusInfoType/PreInductionInfo

complexType **containerReleaseInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:TransactionID mailxml_defs:MessageGeneratedDate mailxml_defs:MessageSentTarget mailxml_defs:MessageType
used by	element containerStatusInfoType/ContainerReleaseInfo

complexType **containerStatusInfoType**

diagram



namespace

http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs

children	mailxml_defs:ContainerID mailxml_defs:IMcb mailxml_defs:ConsigneeApptID mailxml_defs:ShipperApptRequestID mailxml_defs:ConsigneeContainerManifestID mailxml_defs:ContentID mailxml_defs:UserLicenseCode mailxml_defs:MaildatJobID mailxml_defs:CustomerGroupID mailxml_defs:MailingGroupID mailxml_defs:eInductionIndicator mailxml_defs:ContainerKeysInfo mailxml_defs:ContainerDetail mailxml_defs:ConsolidatorCommunicationInfo mailxml_defs:PaymentInfo mailxml_defs:ApptInfo mailxml_defs:eDocFacility mailxml_defs:PlannedAppointmentFacility mailxml_defs:InductionFacility mailxml_defs:PreInductionInfo mailxml_defs:ContainerReleaseInfo mailxml_defs:InductionCloseoutInfo mailxml_defs:InductionIssues mailxml_defs:PostInductionInfo
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complexType **contentIDType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
used by	element containerStatusInfoType/ContentID					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:ConsigneeContentID	mailxml_base:s12	required			
	mailxml_defs:SchedulerContentID	mailxml_base:s12				

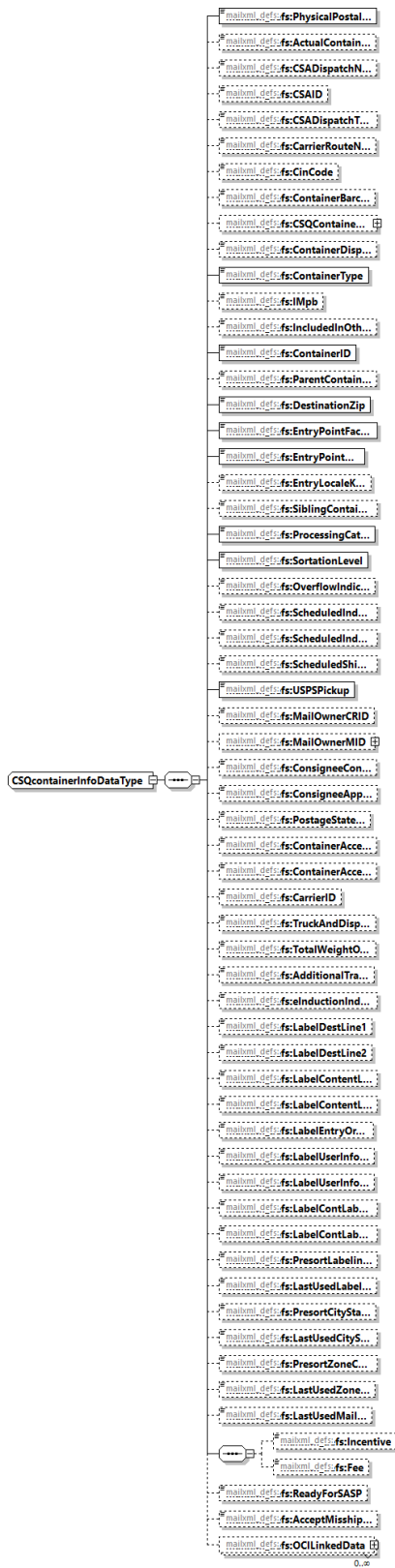
complexType **CSQContainerDetailDataType**

diagram	<p>The diagram shows the structure of the CSQContainerDetailDataType complex type. It is a sequence of the following elements:</p> <ul style="list-style-type: none"> <code>mailxml_defs:fs:MailOwner</code> (optional) <code>mailxml_defs:fs:ContainerDetailID</code> <code>mailxml_defs:fs:CarrierRouteNumber</code> <code>mailxml_defs:fs:CumulativePostage</code> <code>mailxml_defs:fs:EntryDiscountType</code> <code>mailxml_defs:fs:MailEndSeqNo</code> <code>mailxml_defs:fs:MailStartSeqNo</code> <code>mailxml_defs:fs:Postage</code> <code>mailxml_defs:fs:RateLevel</code> <code>mailxml_defs:fs:TotalCopies</code> <code>mailxml_defs:fs:TotalPieces</code> <code>mailxml_defs:fs:Zone</code> <code>mailxml_defs:fs:VersionID</code> <code>mailxml_defs:fs:ZipThreeFive</code> <code>mailxml_defs:fs:InOutCountyIndicator</code> <code>mailxml_defs:fs:RateLevelIndicator</code> <code>mailxml_defs:fs:ContainerCharacteristics</code> <code>mailxml_defs:fs:ActualPieces</code> <code>mailxml_defs:fs:ServiceLevelIndicator</code> <p>There is also an optional group (indicated by a dashed line and a circle with a plus sign) containing:</p> <ul style="list-style-type: none"> <code>mailxml_defs:fs:DocumentVersion</code> (optional) <code>mailxml_defs:fs:MaildataMPUI</code> (optional)
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MailOwner mailxml_defs:ContainerDetailID mailxml_defs:CarrierRouteNumber mailxml_defs:CumulativePostage mailxml_defs:EntryDiscountType mailxml_defs:MailEndSeqNo mailxml_defs:MailStartSeqNo mailxml_defs:Postage mailxml_defs:RateLevel mailxml_defs:TotalCopies mailxml_defs:TotalPieces mailxml_defs:Zone mailxml_defs:VersionID mailxml_defs:ZipThreeFive mailxml_defs:InOutCountyIndicator mailxml_defs:RateLevelIndicator

	mailxml_defs:ContainerChargeContainerLevel mailxml_defs:ActualPieces mailxml_defs:ServiceLevelIndicator mailxml_defs:DocumentVersionDataforCSQType mailxml_defs:MaildatMPUInfo
used by	element CSQcontainerInfoDataType/CSQContainerDetailData

complexType **CSQcontainerInfoDataType**

diagram



namespace http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs

children	mailxml_defs:PhysicalPostalCodeEntryPoint mailxml_defs:ActualContainerShipDateTime mailxml_defs:CSADispatchNumber mailxml_defs:CSAID mailxml_defs:CSADispatchTime mailxml_defs:CarrierRouteNumber mailxml_defs:CinCode mailxml_defs:ContainerBarcode mailxml_defs:CSQContainerDetailData mailxml_defs:ContainerDisplayName mailxml_defs:ContainerType mailxml_defs:IMpb mailxml_defs:IncludedInOtherDoc mailxml_defs:ContainerID mailxml_defs:ParentContainerID mailxml_defs:DestinationZip mailxml_defs:EntryPointFacilityType mailxml_defs:EntryPointZip mailxml_defs:EntryLocaleKey mailxml_defs:SiblingContainerID mailxml_defs:ProcessingCategory mailxml_defs:SortationLevel mailxml_defs:OverflowIndicator mailxml_defs:ScheduledInductionDateStartTime mailxml_defs:ScheduledInductionDateEndTime mailxml_defs:ScheduledShipDateTime mailxml_defs:USPSPickup mailxml_defs:MailOwnerCRID mailxml_defs:MailOwnerMID mailxml_defs:ConsigneeContentID mailxml_defs:ConsigneeApptID mailxml_defs:PostageStatementMailingDate mailxml_defs:ContainerAcceptanceDate mailxml_defs:ContainerAcceptanceTime mailxml_defs:CarrierID mailxml_defs:TruckAndDispatchNumber mailxml_defs:TotalWeightOfContainer mailxml_defs:AdditionalTrayPostageAmount mailxml_defs:eInductionIndicator mailxml_defs:LabelDestLine1 mailxml_defs:LabelDestLine2 mailxml_defs:LabelContentLine1 mailxml_defs:LabelContentLine2 mailxml_defs:LabelEntryOriginPointLine mailxml_defs:LabelUserInfoLine1 mailxml_defs:LabelUserInfoLine2 mailxml_defs:LabelContLabelCINCode mailxml_defs:LabelContLabelType mailxml_defs:PresortLabelingListEffectiveDate mailxml_defs>LastUsedLabelingListEffectiveDate mailxml_defs:PresortCityStatePublicationDate mailxml_defs>LastUsedCityStatePublicationDate mailxml_defs:PresortZoneChartMatrixPublicationDate mailxml_defs>LastUsedZoneChartMatrixPublication mailxml_defs>LastUsedMailDirectionPublicationDate mailxml_defs:Incentive mailxml_defs:Fee mailxml_defs:ReadyForSASP mailxml_defs:AcceptMisshipped mailxml_defs:OCILinkedData
used by	element containerStatusInfoType/ContainerDetail

complexType **CSQlinkingContainerIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MaildatContainer mailxml_defs:MailXMLContainer mailxml_defs:ContainerBarcode
used by	element CSQcontainerInfoDataType/OCILinkedData

complexType **documentVersionDataforCSQType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:VersionID mailxml_defs:VersionName mailxml_defs:VersionDescription mailxml_defs:PieceWeight mailxml_defs:AdPercent mailxml_defs:RateAffixed mailxml_defs:PermitPublicationData mailxml_defs:TotalCopies mailxml_defs:MailPieceBlock
used by	element CSQContainerDetailDataType/DocumentVersionDataforCSQType

complexType **errorWarningType**

diagram	
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namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:Code mailxml_defs:Severity mailxml_defs:KeyIDValues mailxml_defs:SubmissionDate mailxml_defs:ErrorDescription mailxml_defs:Action mailxml_defs:TrackingID mailxml_defs:SubmitterTrackingID mailxml_defs:MailxmlDetail
used by	elements basicReturnInfoType/errorWarning returnInfoType/ErrorWarning

complexType **fullContainerIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:CustomerGroupID mailxml_defs:MailingGroupID mailxml_defs:UserLicenseCode mailxml_defs:MaildatJobID mailxml_defs:ContainerID mailxml_defs:IMtb mailxml_defs:IMcb

complexType **gPSCoordinates**

diagram													
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs												
children	mailxml_defs:Latitude mailxml_defs:Longitude mailxml_defs:Height												
used by	elements addressType/GPSCoordinates commonContactType/GPSCoordinates												
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>mailxml_defs:GPSSystem</td><td>mailxml_base:gPSSystemType</td><td></td><td>MSL</td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	mailxml_defs:GPSSystem	mailxml_base:gPSSystemType		MSL		
Name	Type	Use	Default	Fixed	Annotation								
mailxml_defs:GPSSystem	mailxml_base:gPSSystemType		MSL										

complexType **IMcbAndIMtbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMcb mailxml_defs:IMtbPieceScanInfo

complexType **IMcbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMcb mailxml_defs:IMbScanRec

complexType **IMtbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMtb mailxml_defs:IMbScanRec
used by	element IMcbAndIMtbPieceScanInfoType/IMtbPieceScanInfo

complexType **inductionCloseoutInfoType**

diagram	<p>The diagram shows the structure of the inductionCloseoutInfoType complex type. It is defined by the namespace mailxml_defs. The type contains 21 child elements, each represented by a dashed box with a solid border. The elements are: TransactionID, MessageGeneratedDate, ConsigneeApptID, ShipperApptRequestID, ApptStatus, CloseoutEmployeeID, ApptCloseOutID, ApptCloseOutDate, DropShipOrOrderID, ApptAuthorizationID, VerificationEmployeeID, ActualConsigneeID, ActualFacilityID, ActualSiteName, FacilityArrival, FacilityDeparture, ActualDockDoor, ActualStartUnloading, ActualEndUnloading, DockDoorNo, ConsigneeMail, ContainersIn, ContainerDis, and SourceofData. The ContainersIn and ContainerDis elements are optional (indicated by a circle with a cross) and have cardinalities of 1..∞ and 0..∞ respectively. The SourceofData element is optional and has a cardinality of 1..1.</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:TransactionID mailxml_defs:MessageGeneratedDate mailxml_defs:ConsigneeApptID mailxml_defs:ShipperApptRequestID

	mailxml_defs:ApptStatus mailxml_defs:CloseoutEmployeeUserID mailxml_defs:ApptCloseOutDateTime mailxml_defs:ApptCloseOutEmployeeContactInfo mailxml_defs:DropShipOrOrigin mailxml_defs:ApptAuthorizationAction mailxml_defs:VerificationEmployeeUserID mailxml_defs:ActualConsigneeFacilityID mailxml_defs:ActualFacilityType mailxml_defs:ActualSiteNassCode mailxml_defs:ActualSiteName mailxml_defs:FacilityArrival mailxml_defs:FacilityDeparture mailxml_defs:ActualDockDoorArrival mailxml_defs:ActualStartUnload mailxml_defs:ActualEndUnload mailxml_defs:DockDoorNo mailxml_defs:ConsigneeMailLoadAcceptanceAction mailxml_defs:ContainersInducted mailxml_defs:ContainerDiscrepancies mailxml_defs:SourceofData
used by	element containerStatusInfoType/InductionCloseoutInfo

complexType **inductionIssuesType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ContainerProblem mailxml_defs:AppointmentProblem mailxml_defs:TruckLoadProblem
used by	element containerStatusInfoType/InductionIssues

complexType **InductionProblemType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ProblemID mailxml_defs:ProblemDescription mailxml_defs:ProblemType mailxml_defs:ProblemCategory mailxml_defs:ProblemResolution
used by	elements inductionIssuesType/AppointmentProblem

	inductionIssuesType/ContainerProblem inductionIssuesType/TruckLoadProblem
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complexType **intelligentMailBarcodeType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:BarcodeID mailxml_defs:MailClass mailxml_defs:ServiceTypeCode mailxml_defs:MailerID6 mailxml_defs:SerialNumber9 mailxml_defs:MailerID9 mailxml_defs:SerialNumber6 mailxml_defs:DeliveryPointZIP
used by	elements mailPieceIDType/IMB documentVersionDataforCSQType/MailPieceBlock MaildatMPUInfoType/MailPieceBlock

complexType **intelligentMailPackageBarcodeType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs

children	mailxml_defs:PostalRoutingCodeAppID mailxml_defs:DestinationZipCode mailxml_defs:ChannelApplicationIdentifier mailxml_defs:ServiceTypeCode mailxml_defs:MailerID6 mailxml_defs:SerialNumber10or14 mailxml_defs:MailerID9 mailxml_defs:SerialNumber7or11 mailxml_defs:Mod10CheckDigit
----------	--

complexType **maildatContainerIDType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
used by	elements containerIDType/MaildatContainer CSQlinkingContainerIDType/MaildatContainer					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:UserLicenseCode	mailxml_base:userLicenseCodeType				
	mailxml_defs:MaildatJobID	mailxml_base:jobIDType				
	mailxml_defs:ContainerID	mailxml_base:s06				
	mailxml_defs:UniqueContainerBarcode	mailxml_base:IMcbType				

complexType **MaildatMPUInfoType**

<p>diagram</p>	
<p>namespace</p>	<p>http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs</p>
<p>children</p>	<p> mailxml_defs:SegmentID mailxml_defs:MPUID mailxml_defs:MPUName mailxml_defs:MPUDescription mailxml_defs:MPUWeight mailxml_defs:MPUWeightSource mailxml_defs:MPUWeightStatus mailxml_defs:MPULength mailxml_defs:MPUWidth mailxml_defs:MPUThickness mailxml_defs:MPUClass mailxml_defs:MPURateType mailxml_defs:RateSchedule mailxml_defs:MPUProcessingCategory mailxml_defs:Country mailxml_defs:MPUSurcharge mailxml_defs:CoPalletizationCode mailxml_defs:FiveDigitSchemeDatabaseDate mailxml_defs:FlatMachinability mailxml_defs:PreDenominatedAmount mailxml_defs:PostageAffixedType mailxml_defs:BulkInsurance mailxml_defs:StandardParcelType mailxml_defs:MailPieceBlock </p>

used by	element CSQContainerDetailDataType/MaildatMPUIInfo
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complexType **mailPiecелDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMB mailxml_defs:PlanetCode mailxml_defs:DeliveryPointZIP mailxml_defs:DeliveryContainerID mailxml_defs:DeliveryPointZIP

complexType **MailXMLContainerIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MailingGroupID mailxml_defs:CustomerGroupID mailxml_defs:ContainerID mailxml_defs:ContainerBarcode
used by	elements containerIDType/MailXMLContainer CSQlinkingContainerIDType/MailXMLContainer

complexType **mailxmlDetailType**

diagram	
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namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MailXMLVersion mailxml_defs:MailXMLMsgSize mailxml_defs:MailXMLMsgName mailxml_defs:MailXMLBlockName
used by	element errorWarningType/MailxmlIDetail

complexType **measurementType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:Value mailxml_defs:RangeMin mailxml_defs:RangeMax
used by	element gPSCoordinates/Height

complexType **MIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:MID6 mailxml_defs:MID9
used by	elements ContainerInfoData/MailOwnerMID CSQcontainerInfoDataType/MailOwnerMID

complexType **MPSRBlockType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ContainerID mailxml_defs:PSRBlock

complexType **MPSVisIncludedInScanRecFlagType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMcb mailxml_defs:IMtb mailxml_defs:BundleID

complexType **MPSVisResultOptionsType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:IMcb mailxml_defs:IMtb mailxml_defs:IMB mailxml_defs:IMpb

complexType **palletHandoffInfoType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:ShipperApptReqID	mailxml_base:s12	required			
	mailxml_defs:ConsigneeApptID	mailxml_base:s12				
	mailxml_defs:SchedulerCorpID	mailxml_base:s12				
	mailxml_defs:SchedulerID	mailxml_base:s12				
	mailxml_defs:SchedulerCRID	mailxml_base:CRIDType				
	mailxml_defs:CreatorSchedulerCorpID	mailxml_base:s12	required			
	mailxml_defs:CreatorSchedulerID	mailxml_base:s12	optional			
	mailxml_defs:CreatorSchedulerCRID	mailxml_base:CRIDType	optional			
	mailxml_defs:ShipperMultiStopID	mailxml_base:s12				

mailxml_defs:ConsigneeMultiStopID	mailxml_base:s12	
mailxml_defs:ShipperStopNumber	mailxml_base:n06	
mailxml_defs:ApptType	mailxml_base:apptTypeType	required
mailxml_defs:PickupOrDelivery	mailxml_base:pickupOrDeliveryType	
mailxml_defs:PalletPositionCount	mailxml_base:n02	
mailxml_defs:TransferAllContent	mailxml_base:yesNo	required
mailxml_defs:Start	xs:dateTime	optional
mailxml_defs:End	xs:dateTime	optional

complexType **participantIDType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MailerID6	mailxml_base:mailerID6Type				
	mailxml_defs:MailerID9	mailxml_base:mailerID9Type				
	mailxml_defs:CRID	mailxml_base:CRIDType				
	mailxml_defs:SchedulerID	mailxml_base:s12				
	mailxml_defs:MaildatUserLicense	mailxml_base:userLicenseCodeType				
	mailxml_defs:ShippingAgentID	mailxml_base:s12				
	mailxml_defs:ReceivingAgentID	mailxml_base:s12				

complexType **permitPublicationDataType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:PermitNumber mailxml_defs:PaymentAccountNumber mailxml_defs:PermitType mailxml_defs:PermitZip4 mailxml_defs:PublicationNumber mailxml_defs:PaymentAccountNumber
used by	elements ContainerDetailData/MailOwner CSQContainerDetailData/MailOwner documentVersionDataforCSQType/PermitPublicationData

complexType **pickupApptBlockResponseType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:TrackingID mailxml_defs:ConsigneeApptID mailxml_defs:ConsigneeFacility mailxml_defs:PickupLocation mailxml_defs:ScheduledAppt mailxml_defs:Comment mailxml_defs:TransportationResponsibility
used by	element containerStatusInfoType/ApptInfo

complexType **postageStatementSummaryType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:StatementID mailxml_defs:UserPostageStatementID mailxml_defs:UserPostageStatementSequenceID mailxml_defs:USPSPostageStatementSequenceID mailxml_defs:PostageStatementStatus
used by	element containerStatusInfoType/PaymentInfo

complexType **PSRBlockType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:PRID mailxml_defs:IMBLS mailxml_defs:IMBUS mailxml_defs:STCode mailxml_defs:Class mailxml_defs:SLI
used by	element MPSRBlockType/PSRBlock

complexType **queryErrorType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ReturnInfo

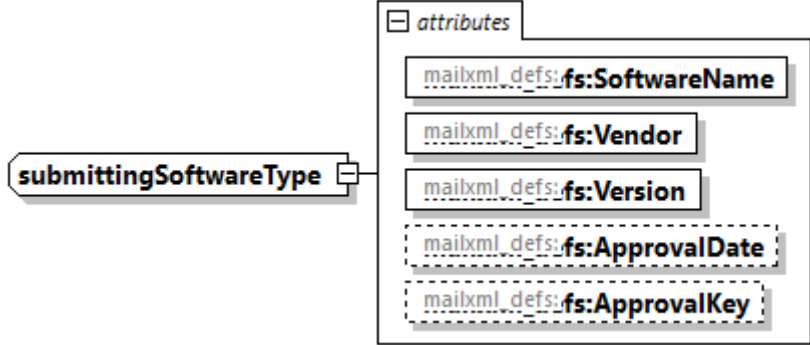
complexType **returnInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:ConsigneeFacility mailxml_defs:ErrorWarning mailxml_defs:ContainerErrorWarningBlock
used by	elements containerPostInductionInfoType/ReturnInfo containerPreInductionInfoType/ReturnInfo queryErrorType/ReturnInfo


complexType **scanEventType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs
children	mailxml_defs:USPSFacilityLocaleKey mailxml_defs:City mailxml_defs:State mailxml_defs:USPSFacilityName mailxml_defs:ScanDateTime mailxml_defs:ContainerScanState mailxml_defs:ScanStatus mailxml_defs:ScanIssueDescription mailxml_defs:ScanIssueResolution

complexType **submittingSoftwareType**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:SoftwareName	xs:string	required			
	mailxml_defs:Vendor	xs:string	required			
	mailxml_defs:Version	xs:string	required			
	mailxml_defs:ApprovalDate	xs:date				
	mailxml_defs:ApprovalKey	xs:string				

complexType **zipCode**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
type	extension of mailxml_base:ns09					
used by	elements	consolidatorCommunicationInfoType/DestinationZipCode addressType/ZipCode				

simpleType **bundleScanTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
type	restriction of xs:string					
facets	Kind	Value	Annotation			
	enumeration	ActualScan				
	enumeration	AssumedScan				
	enumeration	Both				

simpleType **containerDiscrepancyCategoryType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs					
type	restriction of xs:string					
used by	element	ContainerDiscrepancyType/ContainerDiscrepancyCategory				

facets	Kind	Value	Annotation
	enumeration	01	
	enumeration	02	
	enumeration	03	
	enumeration	04	
	enumeration	05	
	enumeration	06	
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	
	enumeration	16	
	enumeration	17	
	enumeration	18	
	enumeration	19	
	enumeration	20	

simpleType **containerScanStateType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
used by	element	scanEventType/ContainerScanState	
facets	Kind	Value	Annotation
	enumeration	Electronic Information Received	
	enumeration	Entered at USPS	
	enumeration	Enroute Depart	
	enumeration	Enroute	
	enumeration	Enroute Arrive	
	enumeration	Arrival At Unit	
	enumeration	Out for Delivery	
	enumeration	All Scan States	
annotation	documentation	Scan data for Container Scan States	

simpleType **containerStatusType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
used by	elements	consolidatorCommunicationInfoType/ContainerStatus containerPostInductionInfoType/PostInductionStatus	

	containerPreInductionInfoType/PreInductionStatus		
facets	Kind	Value	Annotation
	enumeration	Accepted	
	enumeration	OnHold	
	enumeration	Rejected	
	enumeration	NotPaid	
	enumeration	TransportationInfoUpdated	
	enumeration	DispatchedforInduction	
	enumeration	DispatchedforPickup	
	enumeration	PickedUp	
	enumeration	Warehoused	
	enumeration	Planned	
	enumeration	Docked	
	enumeration	MailReadyforPickUp	
	enumeration	Delivered	
	enumeration	DepositedWithShipper	
	enumeration	eDocSubmitted	
	enumeration	MailReadytobeShipped	
	enumeration	PostageFinalized	
	enumeration	MailVerifiedAndReleased	
	enumeration	MailInCopalPool	

simpleType **countTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	IMcb	
	enumeration	IMtb	
	enumeration	IMpb	

simpleType **einductionDataSourceType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
used by	element	inductionCloseoutInfoType/SourceofData	
facets	Kind	Value	Annotation
	enumeration	PO	
	enumeration	SV	
	enumeration	IMDAS	
	enumeration	FAST	

simpleType **fullServiceComplianceIndicatorType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	mailxml_base:yesNo		
facets	Kind	Value	Annotation
	enumeration	Yes	
	enumeration	No	

simpleType **MPSQueryType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	S	
	enumeration	PC	
	enumeration	BC	
annotation	documentation Mail Piece Scan Query Type		

simpleType **MPSSStateType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	
	enumeration	16	
	enumeration	17	
	enumeration	18	
	enumeration	19	
	enumeration	20	

	enumeration 21
	enumeration 22
	enumeration 23
	enumeration 24
	enumeration 25
	enumeration 26
	enumeration 27
	enumeration 28
	enumeration 29
	enumeration 30
annotation	documentation Scan States for Mail Piece Scan Data

simpleType **pieceScanEventTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	1	
	enumeration	2	
	enumeration	3	
	enumeration	4	
	enumeration	5	
	enumeration	6	
	enumeration	7	
	enumeration	8	
	enumeration	9	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	
	enumeration	16	
	enumeration	17	
	enumeration	18	
	enumeration	19	
	enumeration	20	

simpleType **problemCategoryType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
used by	element	InductionProblemType/ProblemCategory	

facets	Kind	Value	Annotation
	enumeration	01	
	enumeration	02	
	enumeration	03	
	enumeration	04	
	enumeration	05	
	enumeration	06	
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	
	enumeration	16	
	enumeration	17	
	enumeration	18	
	enumeration	19	
	enumeration	20	

simpleType **problemTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
used by	element	InductionProblemType/ProblemType	
facets	Kind	Value	Annotation
	enumeration	01	
	enumeration	02	
	enumeration	03	
	enumeration	04	
	enumeration	05	
	enumeration	06	
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	15	
	enumeration	16	
	enumeration	17	

	enumeration	18
	enumeration	19
	enumeration	20

simpleType **reasonCodeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	D	
	enumeration	E	
	enumeration	I	
	enumeration	L	
	enumeration	M	
	enumeration	N	
	enumeration	P	
	enumeration	Q	
	enumeration	R	
	enumeration	S	
	enumeration	U	
	enumeration	V	
	enumeration	X	

simpleType **retrieveDataByType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_defs		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	FS	
	enumeration	NFS	
	enumeration	Both	