

Mail.XML Version 25.4

System Messages Specification

Monday, September 11, 2023

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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 25.4?

With this release, the Mail.XML Messaging Protocol moves to Version 25.4. This release supports structure changes required by mailing industry and Postal Service.

Changes supported by Mail.XML 25.4 include:

- CR 2525 - Update characteristicIncentiveType, add FG for First-Class Growth Incentive Credit Redemption
- CR 2526 - Update characteristicIncentiveType, add MG for USPS Marketing Mail Growth Incentive Credit Redemption
- CR 2527 - Update containerLevelType, add AU for Protected Mixed ADC and AV for Protected Mixed NDC

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/mailxml25.4/mailxml"
targetNamespace="http://delivery-tech.org/Specs/mailxml25.4/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/mailxml25.4A/mailxml" then at least one of the XSDs is at same version such as filename ='Mail.XML_25.4A.xsd' <- Errata A
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.org/Specs/mailxml25.4B/mailxml" then at least one of the XSDs is at same version such as filename ='Mail.XML_25.4B.xsd' <- Errata B
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.

org/Specs/mailxml25.4/mailxml" then at least one of the XSDs is at same version such as
filename ='Mail.XML_25.4.xsd' <- Major Version

Mail.XML 25.4 XSD Modules

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

- Mail.XML_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=Mail.XML_tm:
- Mail.XML_mm.xsd: This module contains all the mailing messages (eDoc) and the attributes, elements and complex types that are unique to these messages. Namespace=Mail.XML_mm:
- Mail.XML_iv.xsd: This module contains informed visibility messages and the attributes, elements and complex types that are unique to these messages. Namespace=Mail.XML_iv:
- Mail.XML_dd.xsd: This module contains all the data distribution messages and the attributes, elements and complex types that are unique to these messages. Namespace=Mail.XML_dd:
- Mail.XML_id.xsd: This module contains all the identification messages and the attributes, elements and complex types that are unique to these messages. Namespace=Mail.XML_id:
- Mail.XML_sc.xsd: This module contains all the supply chain messages and the attributes, elements and complex types that are unique to these messages. Namespace=Mail.XML_sc:
- Mail.XML_defs.xsd: This module contains all the common definitions of attributes, elements and complex types that are used across two or more message types. Namespace=Mail.XML_defs:
- Mail.XML_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=Mail.XML_base:
- Mail.XML.xsd: This module contains the system messages of Mail.XML and is used to build custom profiles for Mail.XML. Namespace=Mail.XML:

The Mail.XML™ 25.4 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 25.4. Updates in this Specification are NOT backwardly compatible with previous versions. Other documents in the specification set include:

- Mail.XML™ 25.4: Transportation Messaging Specification documents all transportation messages
- Mail.XML™ 25.4: Mailing Messaging Specification documents all mailing messages
- Mail.XML™ 25.4: Informed Visibility Specification documents all informed visibility messages
- Mail.XML™ 25.4: Data Distribution Messaging Specification documents all data distribution messages
- Mail.XML™ 25.4: Identification Messaging Specification documents all identification messages
- Mail.XML™ 25.4: Supply Chain Messaging Specification documents all supply chain messages
- Mail.XML™ 25.4: System Messaging Specification documents all systems and fault messages
- Mail.XML™ 25.4: Simple Types Specification documents all simple types used across Mail.XML
- messages
- Mail.XML™ 25.4: Common Definitions Specification documents all shared elements and complex

- types.
- Mail.XML™ 25.4: Schemas contains the .XSDs that make up the Mail.XML Messaging Specification

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Schema mailxml_defs_25.4.xsd

schema location: [..\\XSDs\\mailxml_defs_25.4.xsd](#)
attribute form default: qualified
element form default: qualified
targetNamespace: http://delivery-tech.org/Specs/mailxml25.4/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](#)
[intelligentMailBarcodeType](#)
[intelligentMailPackageBarcodeType](#)
[maildatContainerIDType](#)
[MaildatMPUInfoType](#)
[mailPieceIDType](#)
[MailXMLContainerIDType](#)
[mailxmlDetailType](#)
[measurementType](#)
[MIDType](#)

Simple types

[bundleScanTypeType](#)
[containerDiscrepancyCategoryType](#)
[containerScanStateType](#)
[containerStatusType](#)
[countTypeType](#)
[einductionDataSourceType](#)
[fullServiceComplianceIndicatorType](#)
[MPSQueryType](#)
[MPSStateType](#)
[pieceScanEventTypeType](#)
[problemCategoryType](#)
[problemTypeType](#)
[reasonCodeType](#)
[retrieveDataByType](#)

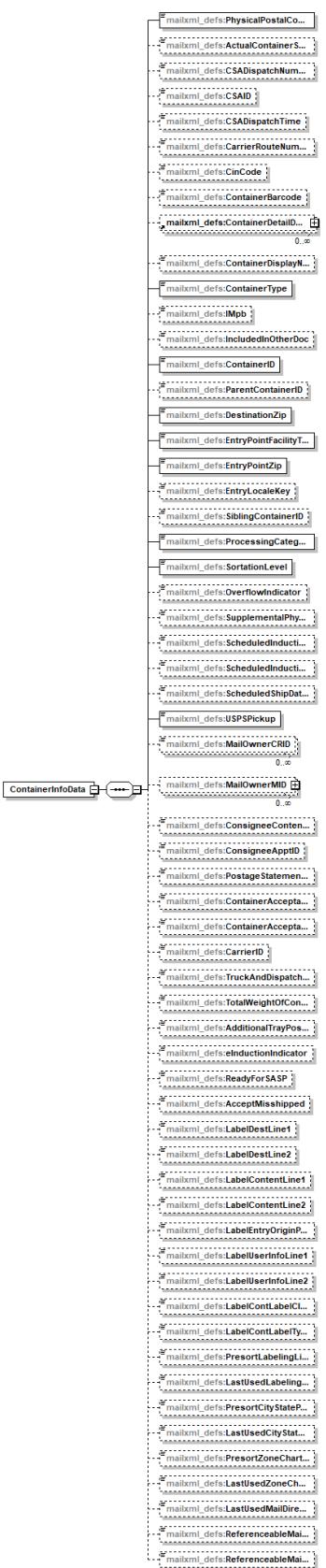
[MPSRBlockType](#)
[MPSVisIncludedInScanRecFlagType](#)
[MPSVisResultOptionsType](#)
[palletHandoffInfoType](#)
[participantIDType](#)
[permitPublicationDataType](#)
[pickupApptBlockResponseType](#)
[postageStatementSummaryType](#)
[PSRBlockType](#)
[queryErrorType](#)
[returnInfoType](#)
[scanEventType](#)
[submittingSoftwareType](#)
[zipCode](#)

element **ContainerDetailData**

| | |
|-----------|---|
| diagram | <p>The diagram illustrates the structure of the ContainerDetailData element. It is defined by the following UML class definition:</p> <pre>classDiagram class ContainerDetailData { <<mailxml_defs>> <<mailxml_defs>> MailOwner <<mailxml_defs>> ContainerDetailID <<mailxml_defs>> CarrierRouteNum... <<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>> InOutCountyIndica... <<mailxml_defs>> RateLevelIndicator <<mailxml_defs>> ContainerCharge... <<mailxml_defs>> ActualPieces <<mailxml_defs>> ServiceLevelIndic... }</pre> <p>The ContainerDetailData class has a relationship with the mailxml_defs class, indicated by a dashed line with an asterisk (*) at the end of the line.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

element ContainerInfoData

diagram



| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

element DataRecipient

| | |
|-----------|--|
| diagram | <pre> classDiagram class DataRecipient class mailxml_defs::CRID class mailxml_defs::Role DataRecipient "2..1" --> CRID DataRecipient "2..1" --> Role </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

element ExtraServiceData

| | |
|-----------|--|
| diagram | <pre> classDiagram class ExtraServiceData class mailxml_defs::ServiceCode class mailxml_defs::ServiceRate class mailxml_defs::ServiceSubCode class mailxml_defs::ServiceValue class mailxml_defs::TotalAmount class mailxml_defs::CollectAmount class mailxml_defs::TotalPieces ExtraServiceData "2..1" --> ServiceCode ExtraServiceData "2..1" --> ServiceRate ExtraServiceData "2..1" --> ServiceSubCode ExtraServiceData "2..1" --> ServiceValue ExtraServiceData "2..1" --> TotalAmount ExtraServiceData "2..1" --> CollectAmount ExtraServiceData "2..1" --> TotalPieces </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

element LargeTransactionDivider

| | |
|-----------|--|
| diagram | <pre> classDiagram class LargeTransactionDivider class mailxml_defs::TrackingID LargeTransactionDivider "2..1" --> TrackingID </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

element LargeTransactionDividerResult

| | |
|-----------|---|
| diagram | <pre> classDiagram class LargeTransactionDividerResult class mailxml_defs::LargeTransactionDividerResult LargeTransactionDividerResult "2..1" --> LargeTransactionDividerResult "*" "1..∞" </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

element QueryError

| | |
|------------|---|
| diagram | <p>Error issued when the query data cannot be provided.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| annotation | documentation Error issued when the query data cannot be provided. |

complexType addressType

| | |
|-----------|--|
| diagram | <pre>graph TD; addressType[addressType] --> Address1[mailxml_defs:Address1]; Address1 --> Address2[mailxml_defs:Address2]; Address2 --> Address3[mailxml_defs:Address3]; Address3 --> Address4[mailxml_defs:Address4]; Address4 --> City[mailxml_defs:City]; City --> County[mailxml_defs:County]; County --> State[mailxml_defs:State]; State --> ZipCode[mailxml_defs:ZipCode]; ZipCode --> GPSCoordinates[mailxml_defs:GPSCoordinates]</pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType basicReturnInfoType

| | |
|-----------|---|
| diagram | <pre>graph TD; basicReturnInfoType[basicReturnInfoType] --> ReturnCode[mailxml_defs:ReturnCode]; ReturnCode --> ReturnDescription[mailxml_defs:ReturnDescription]; ReturnDescription --> errorWarning[mailxml_defs:errorWarning]; errorWarning --> ContainerErrorW[mailxml_defs:ContainerErrorW...]</pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType commonContactType

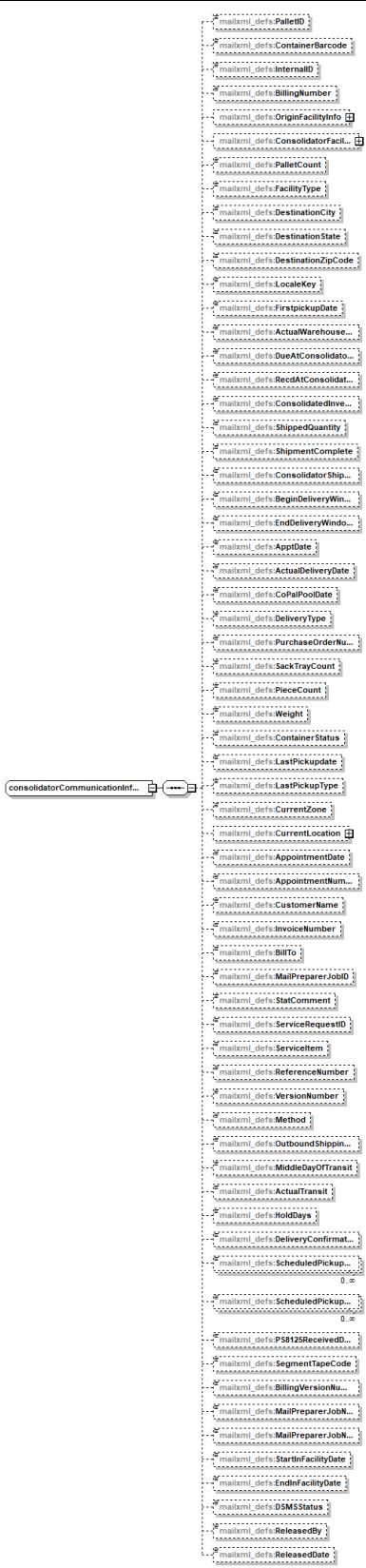
| | |
|-----------|---|
| diagram | <p>The diagram shows the structure of the <code>commonContactType</code> complex type. It consists of an <code>attributes</code> section containing a single attribute <code>mailxml_defs:ContactType</code>. This attribute has a multiplicity of <code>0..∞</code>. A dashed line connects this attribute to a sequence of elements: <code>mailxml_defs:ContactName</code>, <code>mailxml_defs:Telephone</code>, <code>mailxml_defs:MobilePhone</code>, <code>mailxml_defs:Email</code>, <code>mailxml_defs:Fax</code>, <code>mailxml_defs:GPSCoordinates</code>, and <code>mailxml_defs:ContactID</code>. Each of these elements is enclosed in a dashed box, indicating they are optional components of the type.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType consigneeFacilityType

| | |
|-----------|--|
| diagram | <p>The diagram shows the structure of the <code>consigneeFacilityType</code> complex type. It consists of a sequence of elements starting with <code>mailxml_defs:CompanyName</code>, followed by a choice element (solid line with diamond) containing <code>mailxml_defs:FacilityNumber</code> and <code>mailxml_defs:FacilityAddress</code>. This is followed by another choice element containing <code>mailxml_defs:FacilityName</code>, <code>mailxml_defs:FacilityType</code>, <code>mailxml_defs:URL</code>, and <code>mailxml_defs:CommonContact</code>. The <code>mailxml_defs:CommonContact</code> element has a multiplicity of <code>0..∞</code>. All elements within the choice blocks are enclosed in dashed boxes, indicating they are optional.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

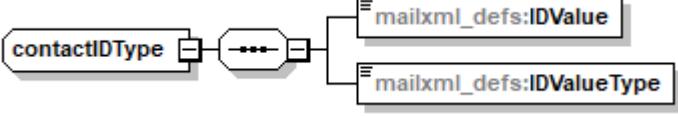
complexType consolidatorCommunicationInfoType

diagram

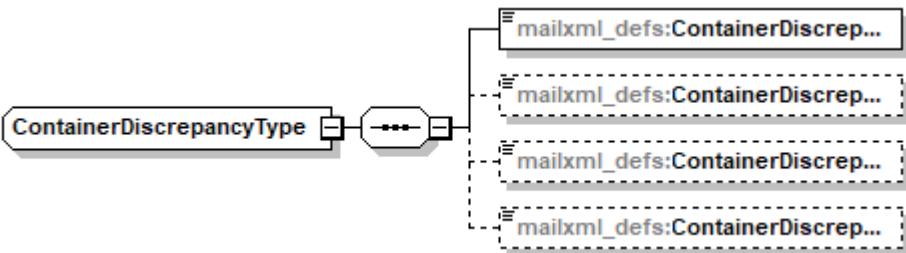


| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

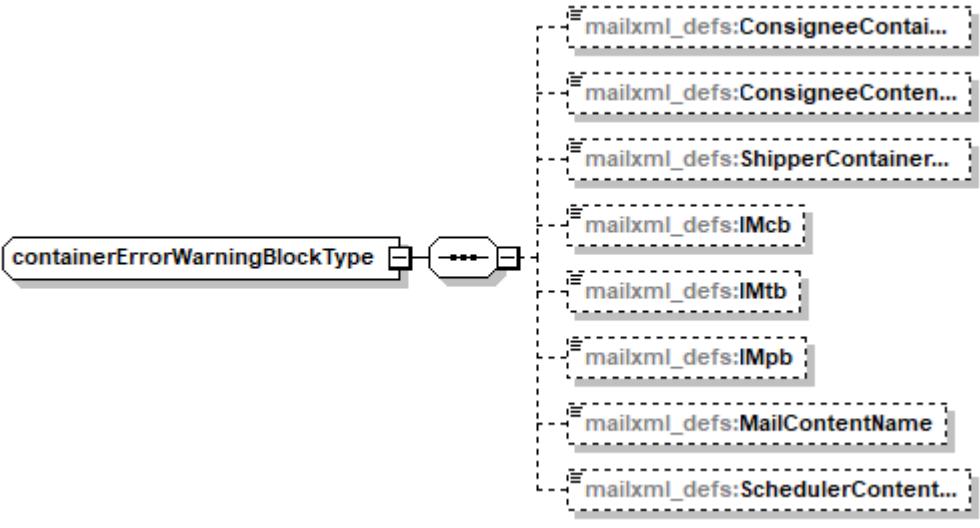
complexType contactIDType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

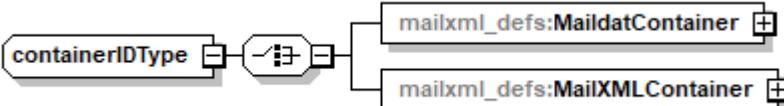
complexType ContainerDiscrepancyType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType containerErrorWarningBlockType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

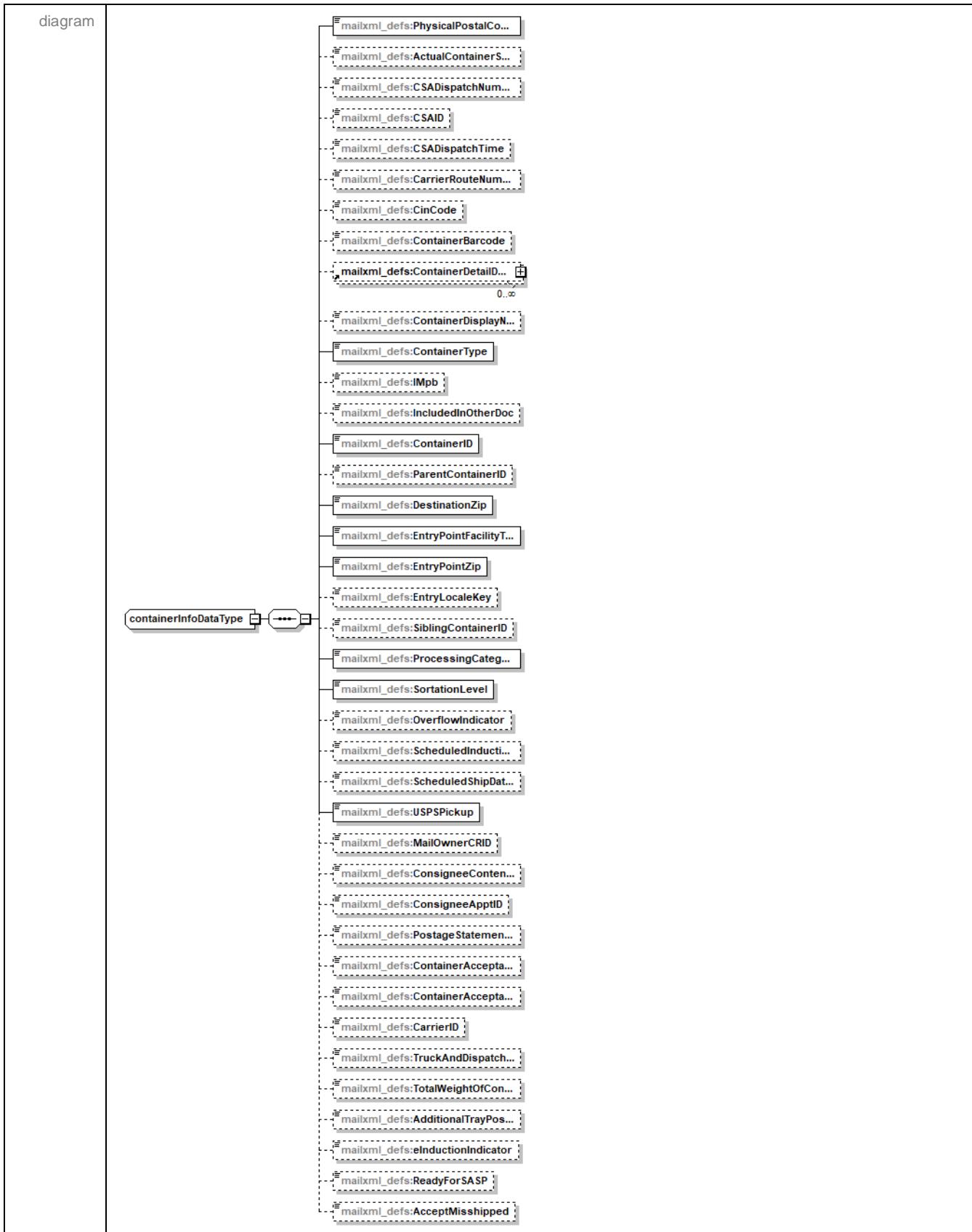
complexType containerIDType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType ContainerInductedType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType **containerInfoDataType**



| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

complexType containerKeysInfoType

| | |
|-----------|---|
| diagram | <pre> classDiagram class containerKeysInfoType { <<0..1-->> mailxml_defs:IMcb mailxml_defs:IMtb mailxml_defs:ContainerID mailxml_defs:ContainerType mailxml_defs:FSNonFSAvailability mailxml_defs:FullServiceIndicator } </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

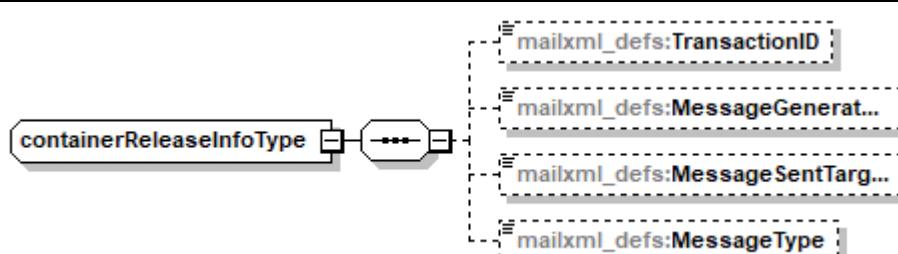
complexType containerPostInductionInfoType

| | |
|-----------|---|
| diagram | <pre> classDiagram class containerPostInductionInfoType { <<0..1-->> mailxml_defs:UniqueBarcodeValue mailxml_defs:EPDValidation mailxml_defs:PaymentValidation mailxml_defs>NewZoneValidation mailxml_defs:LabelingListValidation mailxml_defs:PostInductionStatus mailxml_defs:ReturnInfo * } </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType containerPreInductionInfoType

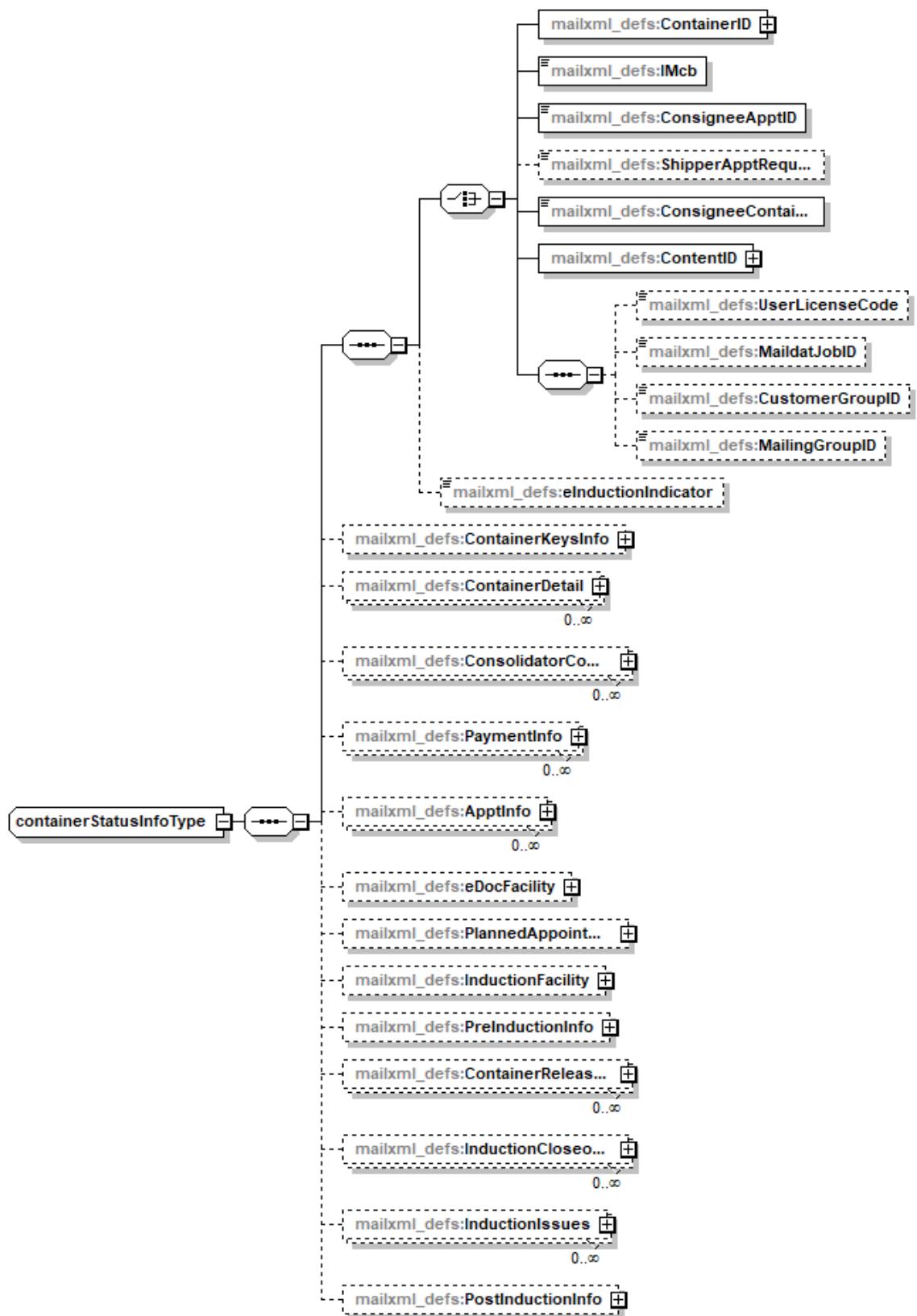
| | |
|-----------|--|
| diagram |  <p>The diagram shows the structure of the <code>containerPreInductionInfoType</code>. It consists of a sequence of elements enclosed in a dashed box. From left to right, the elements are: <code>BarcodeFormatVal...</code>, <code>UniqueBarcodeVal...</code>, <code>EPDValidation</code>, <code>SingleAppointme...</code>, <code>IMcbToAppointme...</code>, <code>PaymentValidation</code>, <code>LabelingListValida...</code>, <code>TransportedMailA...</code>, <code>ContainerManifes...</code>, <code>NewZoneValidation</code>, <code>PreInductionStatus</code>, and <code>ReturnInfo</code>. A multiplicity of <code>0..∞</code> is indicated at the end of the sequence.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType containerReleaseInfoType

| | |
|-----------|--|
| diagram |  <p>The diagram shows the structure of the <code>containerReleaseInfoType</code>. It consists of a sequence of elements enclosed in a dashed box. From left to right, the elements are: <code>TransactionID</code>, <code>MessageGenerat...</code>, <code>MessageSentTarg...</code>, and <code>MessageType</code>.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

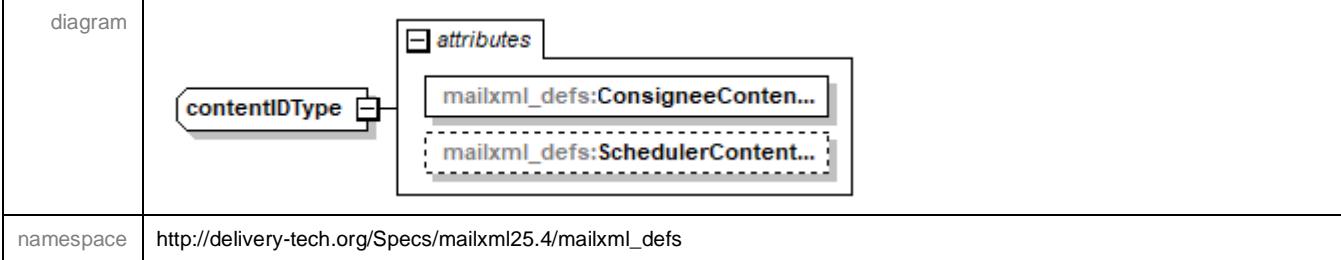
complexType **containerStatusInfoType**

diagram



| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

complexType **contentIDType**

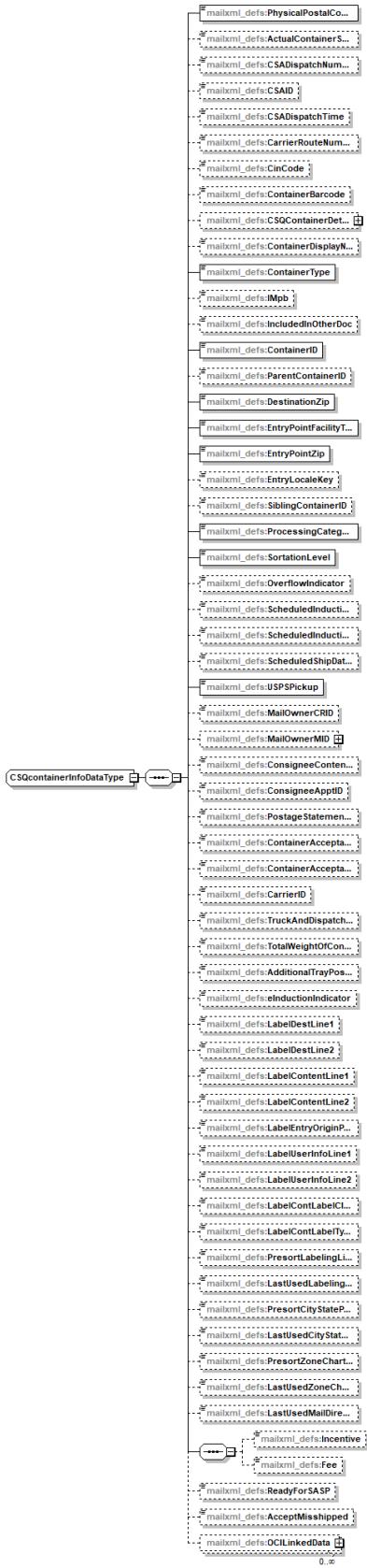


complexType CSQContainerDetailDataType

| | |
|-----------|--|
| diagram | <p>The diagram illustrates the structure of the CSQContainerDetailDataType complex type. It features a central class box labeled "CSQContainerDetailDataType" connected by a line to a dashed-line box containing a list of attributes. These attributes include: mailxml_defs:MailOwner, mailxml_defs:ContainerDetailID, mailxml_defs:CarrierRouteNum..., 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:InOutCountyIndica..., mailxml_defs:RateLevelIndicator, mailxml_defs:ContainerCharge..., mailxml_defs:ActualPieces, mailxml_defs:ServiceLevelIndicator, mailxml_defs:DocumentVersio..., and mailxml_defs:MaildatMPUInfo. A small association symbol is also present between the main class and the dashed-line box.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType **CSQcontainerInfoDataType**

diagram



| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

complexType CSQlinkingContainerIDType

| | |
|-----------|--|
| diagram | <pre> classDiagram CSQLinkingContainerIDType < --> CSQLinkingContainerIDType CSQLinkingContainerIDType --> mailxml_defs:MaildatContainer CSQLinkingContainerIDType --> mailxml_defs:MailXMLContainer CSQLinkingContainerIDType --> mailxml_defs:ContainerBarcode </pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType documentVersionDataforCSQType

| | |
|-----------|---|
| diagram | <pre> classDiagram documentVersionDataforCSQType < --> documentVersionDataforCSQType documentVersionDataforCSQType --> mailxml_defs:VersionID documentVersionDataforCSQType --> mailxml_defs:VersionName documentVersionDataforCSQType --> mailxml_defs:VersionDescription documentVersionDataforCSQType --> mailxml_defs:PieceWeight documentVersionDataforCSQType --> mailxml_defs:AdPercent documentVersionDataforCSQType --> mailxml_defs:RateAffixed documentVersionDataforCSQType --> mailxml_defs:PermitPublicatio... documentVersionDataforCSQType --> mailxml_defs:TotalCopies documentVersionDataforCSQType --> mailxml_defs:MailPieceBlock </pre> <p>0..∞</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

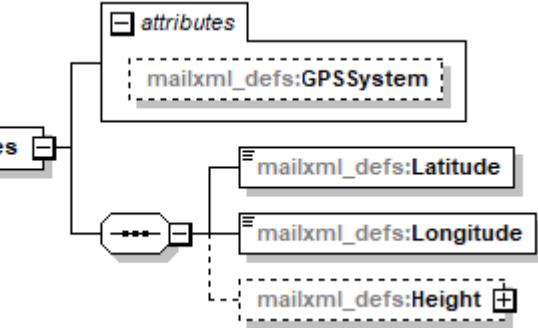
complexType errorWarningType

| | |
|-----------|--|
| diagram | <p>The diagram shows the structure of the <code>errorWarningType</code> complex type. It consists of a main element <code>errorWarningType</code> which contains several attributes and a reference to a <code>mailxml_defs:MailxmlDetail</code> element. The attributes are grouped into dashed boxes:</p> <ul style="list-style-type: none"><code>mailxml_defs:Code</code><code>mailxml_defs:Severity</code><code>mailxml_defs:KeyIDValues</code><code>mailxml_defs:SubmissionDate</code><code>mailxml_defs:ErrorDescription</code><code>mailxml_defs:Action</code><code>mailxml_defs:TrackingID</code><code>mailxml_defs:SubmitterTrackin...</code> <p>A plus sign (+) is located next to the <code>MailxmlDetail</code> element, indicating it can be expanded.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

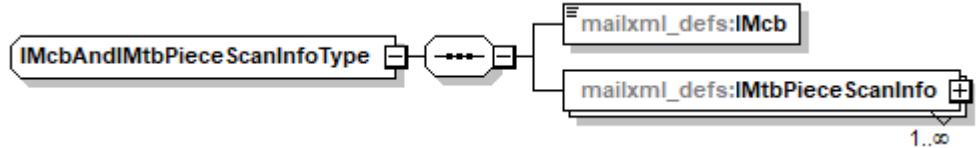
complexType fullContainerIDType

| | |
|-----------|---|
| diagram | <p>The diagram shows the structure of the <code>fullContainerIDType</code> complex type. It consists of a main element <code>fullContainerIDType</code> which contains a reference to a <code>mailxml_defs:ContainerID</code> element. This <code>ContainerID</code> element has a multiplicity of <code>1..∞</code>. The <code>ContainerID</code> element is associated with three groups of attributes:</p> <ul style="list-style-type: none"><code>mailxml_defs:CustomerGroupID</code><code>mailxml_defs:MailingGroupID</code><code>mailxml_defs:UserLicenseCode</code><code>mailxml_defs:MaildatJobID</code> <p>Below the <code>ContainerID</code> element, there are two more groups of attributes:</p> <ul style="list-style-type: none"><code>mailxml_defs:lMtb</code><code>mailxml_defs:lMcb</code> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

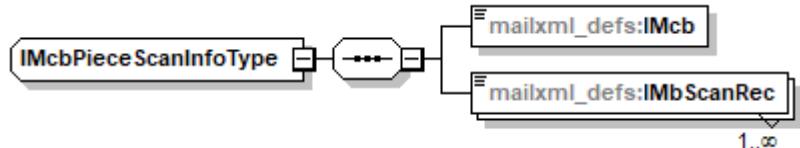
complexType gPSCoordinates

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

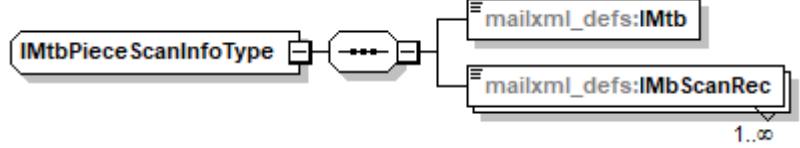
complexType IMcbAndIMtbPieceScanInfoType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType IMcbPieceScanInfoType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType IMtbPieceScanInfoType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

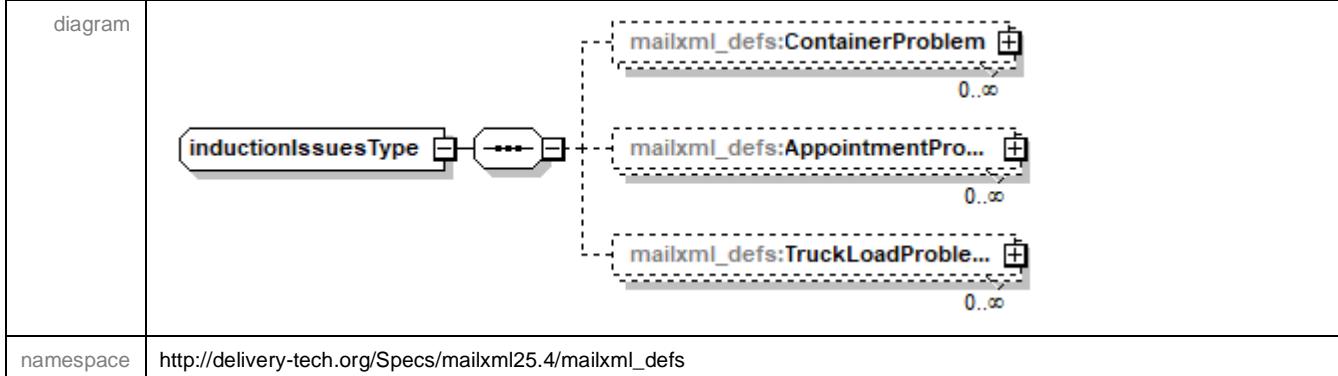
complexType inductionCloseoutInfoType

diagram

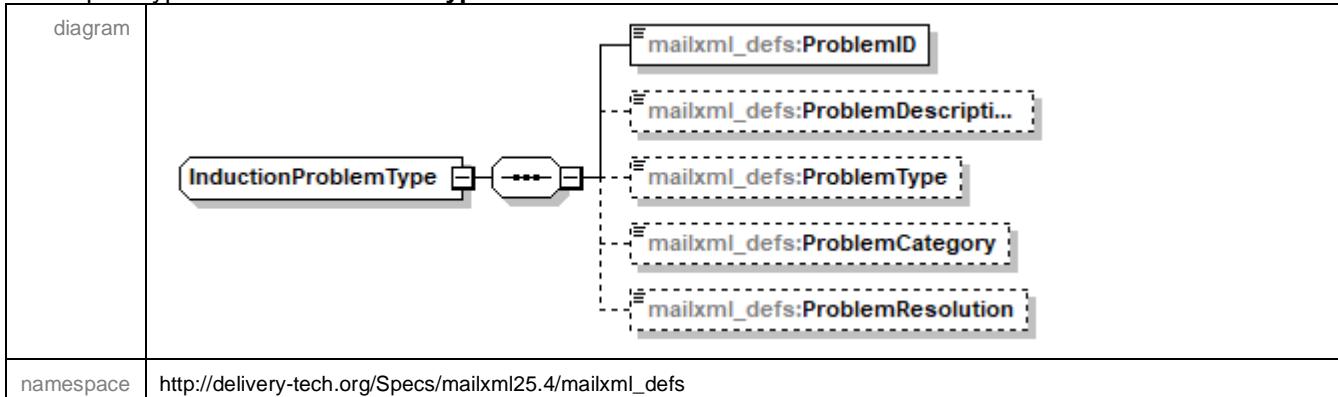


| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

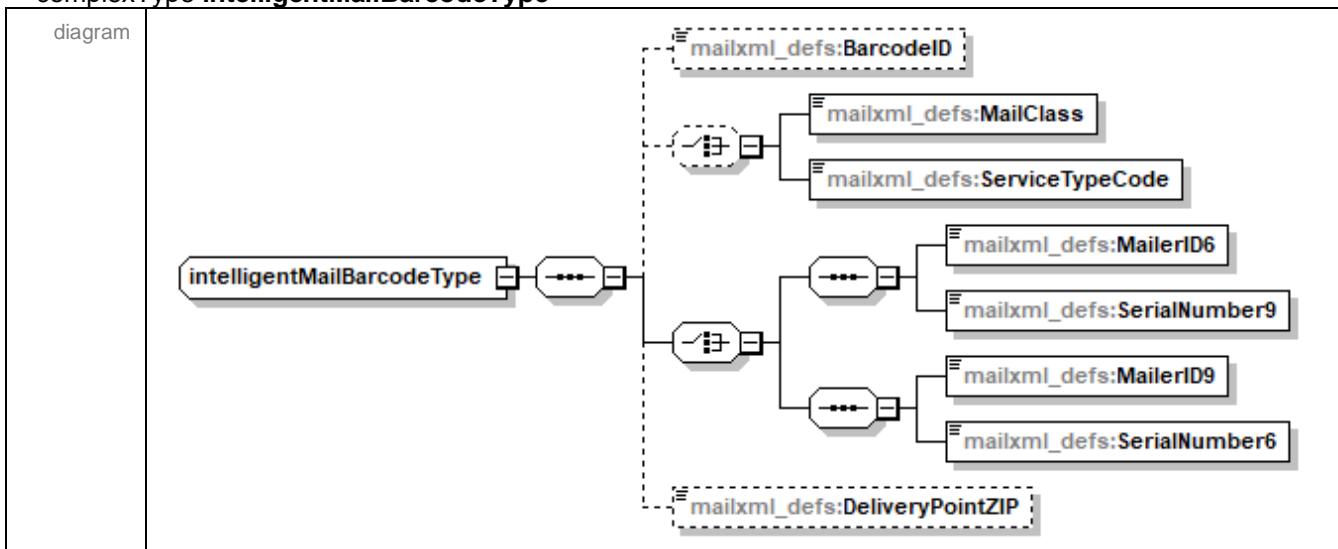
complexType inductionIssuesType



complexType InductionProblemType

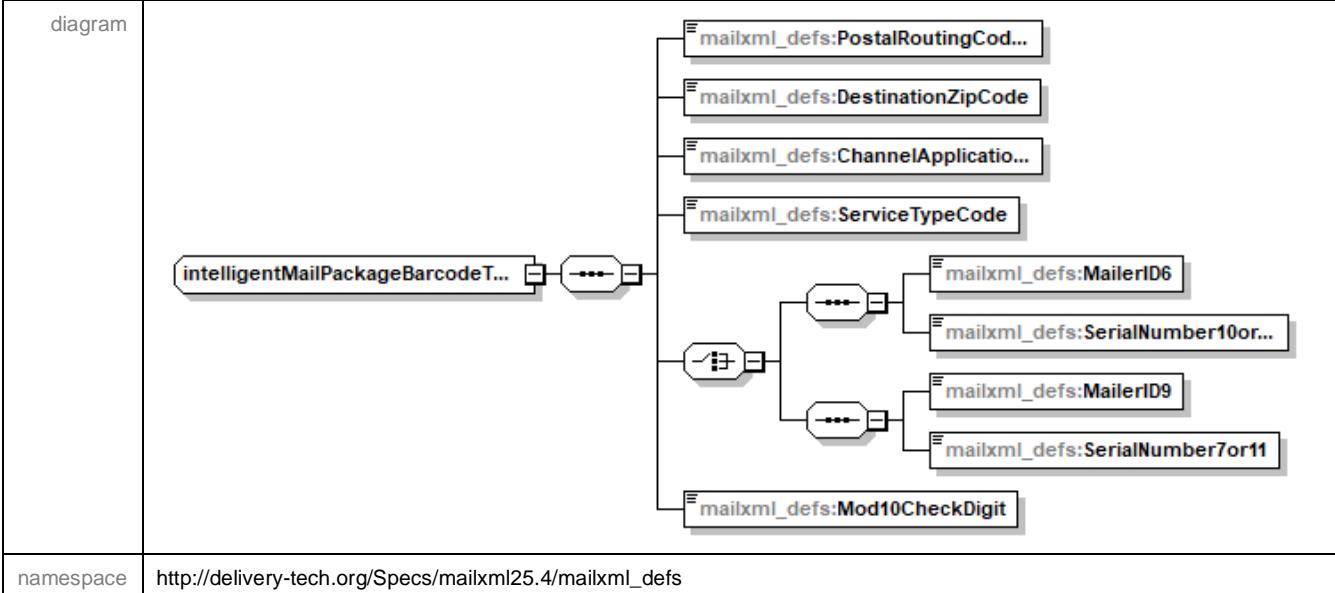


complexType intelligentMailBarcodeType

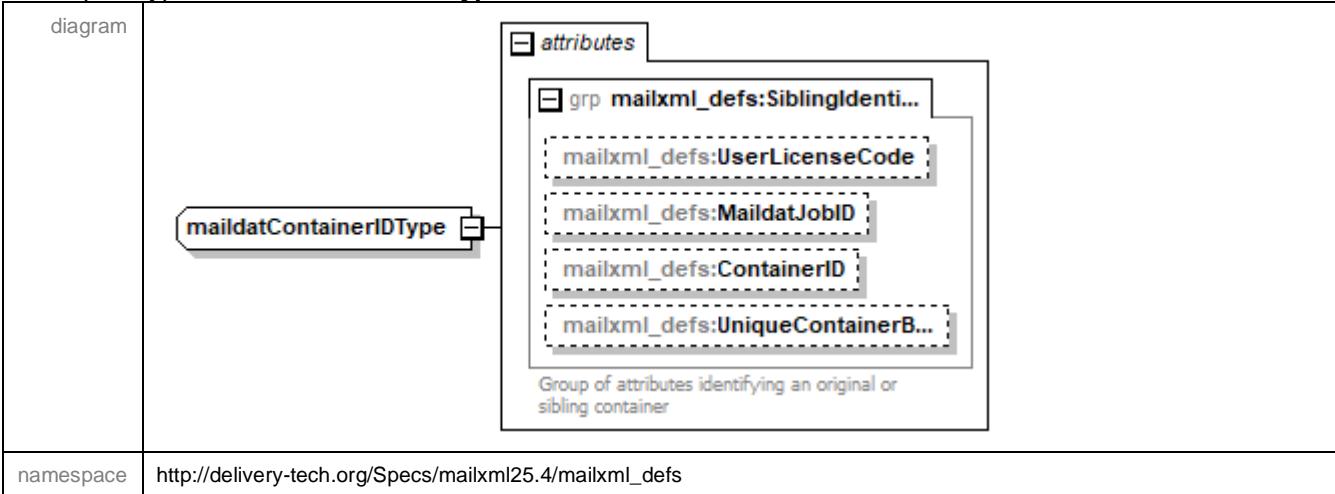


| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

complexType intelligentMailPackageBarcodeType



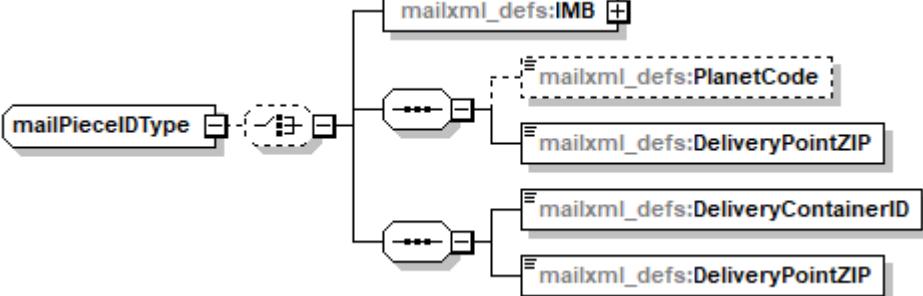
complexType maildatContainerIDType



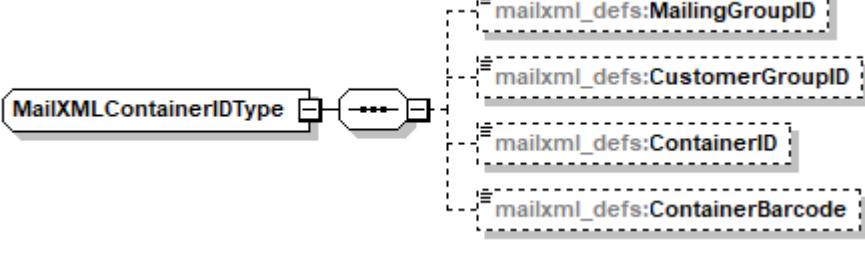
complexType MaildatMPUInfoType

| | |
|-----------|--|
| diagram | <pre>graph TD; MPUI[MaildatMPUInfoType] --- ---> MPUIList[...]; MPUIList ---> SegmentID[mailxml_defs:SegmentID]; MPUIList ---> MPUID[mailxml_defs:MPUID]; MPUIList ---> MPUName[mailxml_defs:MPUName]; MPUIList ---> MPUDescription[mailxml_defs:MPUDescription]; MPUIList ---> MPUWeight[mailxml_defs:MPUWeight]; MPUIList ---> MPUWeightSource[mailxml_defs:MPUWeightSource]; MPUIList ---> MPUWeightStatus[mailxml_defs:MPUWeightStatus]; MPUIList ---> MPULength[mailxml_defs:MPULength]; MPUIList ---> MPUWidth[mailxml_defs:MPUWidth]; MPUIList ---> MPUThickness[mailxml_defs:MPUThickness]; MPUIList ---> MPUClass[mailxml_defs:MPUClass]; MPUIList ---> MPURateType[mailxml_defs:MPURateType]; MPUIList ---> RateSchedule[mailxml_defs:Rate Schedule]; MPUIList ---> MPUProcessingC[mailxml_defs:MPUProcessingC...]; MPUIList ---> Country[mailxml_defs:Country]; MPUIList ---> MPUSurcharge[mailxml_defs:MPUSurcharge]; MPUIList ---> CoPalletizationCo[mailxml_defs:CoPalletizationCo...]; MPUIList ---> FiveDigitSchemeD[mailxml_defs:FiveDigitSchemeD...]; MPUIList ---> MachinabilityIndic[mailxml_defs:MachinabilityIndic...]; MPUIList ---> PreDenominatedA[mailxml_defs:PreDenominatedA...]; MPUIList ---> PostageAffixedTy[mailxml_defs:PostageAffixedTy...]; MPUIList ---> BulkInsurance[mailxml_defs:BulkInsurance]; MPUIList ---> StandardParcelType[mailxml_defs:StandardParcelType]; MPUIList -.-> MailPieceBlock[mailxml_defs:MailPieceBlock]</pre> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

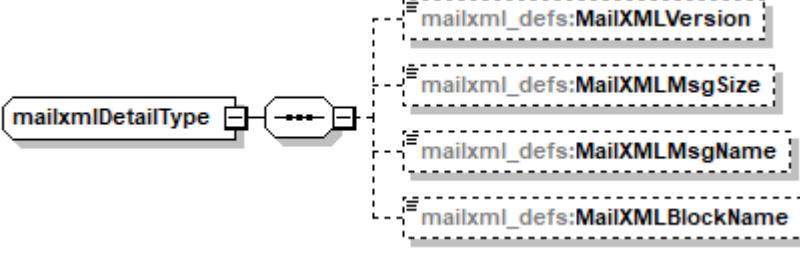
complexType mailPieceIDType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

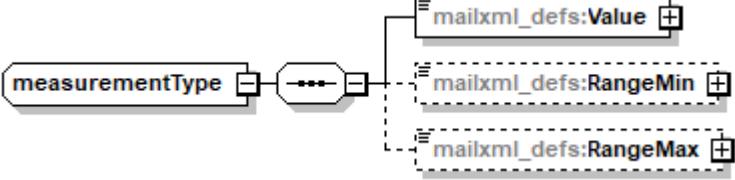
complexType MailXMLContainerIDType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType mailxmlDetailType

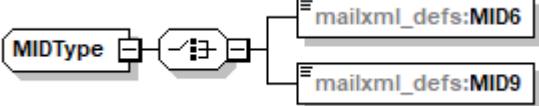
| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType measurementType

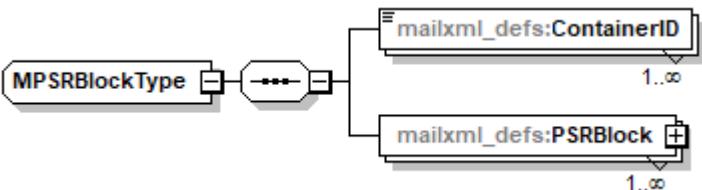
| | |
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| diagram |  |
|---------|--|

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
|-----------|---|

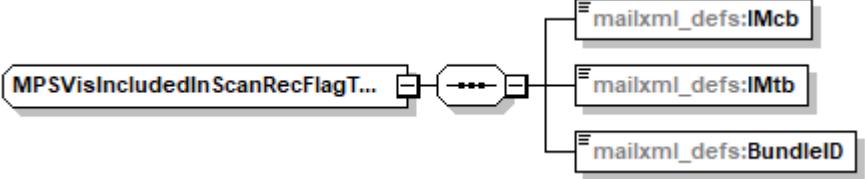
complexType MIDType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

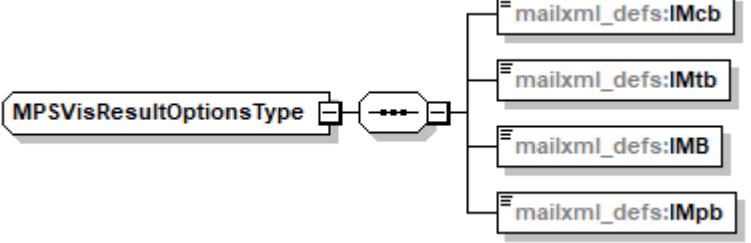
complexType MPSRBlockType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType MPSVisIncludedInScanRecFlagType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType MPSVisResultOptionsType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType **palletHandoffInfoType**

| | |
|-----------|--|
| diagram | <p>The diagram illustrates the structure of the palletHandoffInfoType complex type. It consists of a main element, palletHandoffInfoType, which contains a list of attributes. These attributes are grouped under a header labeled grp mailxml_defs:PalletInfoMs.... The attributes listed are:</p> <ul style="list-style-type: none">mailxml_defs:ShipperApptRequ...mailxml_defs:ConsigneeApptIDmailxml_defs:SchedulerCorpIDmailxml_defs:SchedulerIDmailxml_defs:SchedulerCRIDmailxml_defs:CreatorScheduler...mailxml_defs:CreatorSchedulerIDmailxml_defs:CreatorScheduler...mailxml_defs:ShipperMultiStopIDmailxml_defs:ConsigneeMultiSt...mailxml_defs:ShipperStopNumb...mailxml_defs:ApptTypemailxml_defs:PickupOrDeliverymailxml_defs:PalletPositionCountmailxml_defs:TransferAllContentmailxml_defs:Startmailxml_defs:End |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

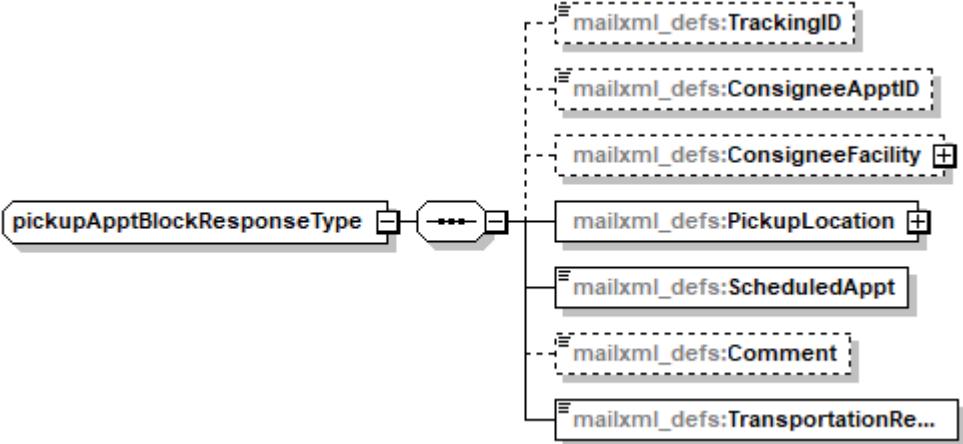
complexType participantIDType

| | |
|-----------|--|
| diagram | <p>The diagram shows the structure of the participantIDType complex type. It consists of a main element 'participantIDType' which contains a list of attributes. The attributes are: mailxml_defs:MailerID6, mailxml_defs:MailerID9, mailxml_defs:CRID, mailxml_defs:SchedulerID, mailxml_defs:MaildatUserLicense, mailxml_defs:ShippingAgentID, and mailxml_defs:ReceivingAgentID. Each attribute is represented by a dashed box containing its name.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

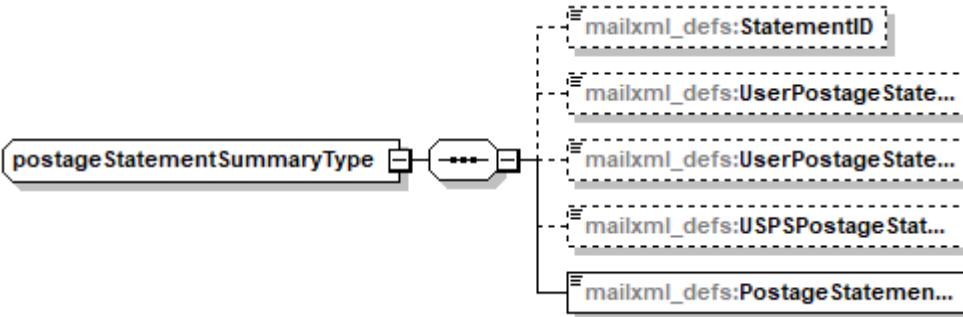
complexType permitPublicationDataType

| | |
|-----------|--|
| diagram | <p>The diagram shows the structure of the permitPublicationDataType complex type. It consists of a main element 'permitPublicationDataType' which contains two repeating groups. The first repeating group has a cardinality of '1..*'. The second repeating group has a cardinality of '0..*'. Each group contains the following elements: mailxml_defs:PermitNumber, mailxml_defs:PaymentAccountNumber, mailxml_defs:PermitType, mailxml_defs:PermitZip4, mailxml_defs:PublicationNumber, and mailxml_defs:PaymentAccountNumber. The elements are represented by dashed boxes.</p> |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

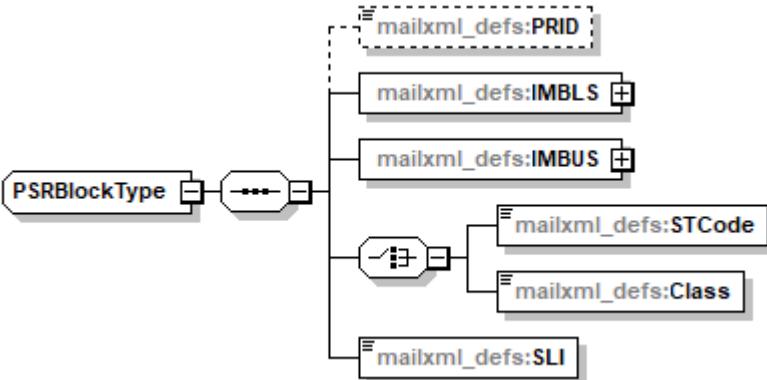
complexType pickupApptBlockResponseType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType postageStatementSummaryType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

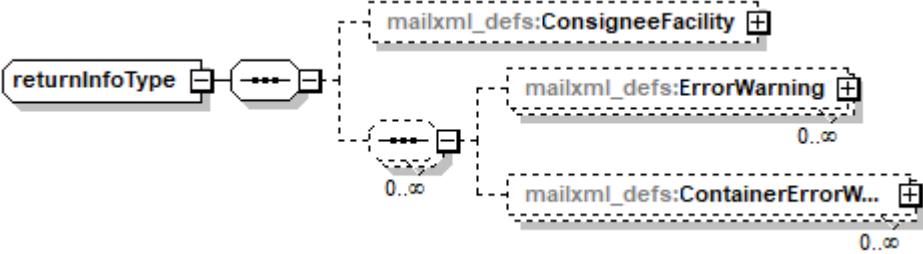
complexType PSRBlockType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

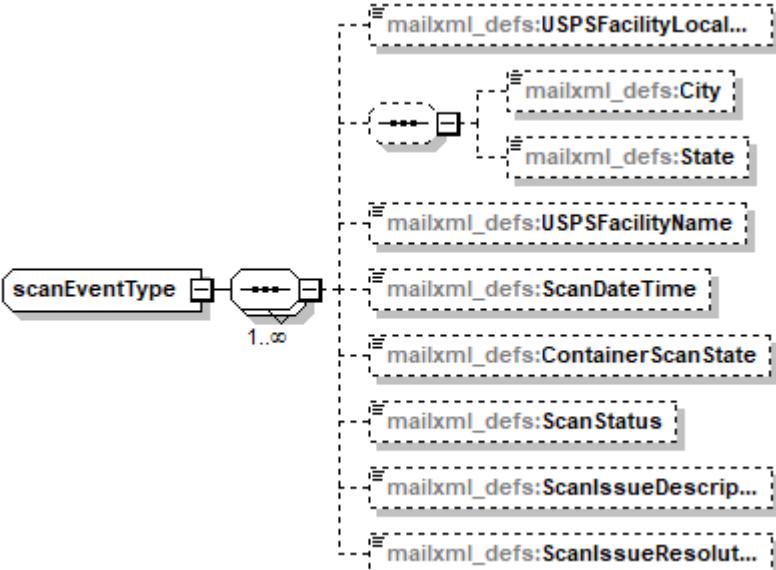
complexType queryErrorType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType returnInfoType

| | |
|-----------|--|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType scanEventType

| | |
|-----------|---|
| diagram |  |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType submittingSoftwareType

| | |
|-----------|---|
| diagram | |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |

complexType zipCode

| | |
|-----------|---|
| diagram | |
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | extension of mailxml_base:ns09 |

simpleType bundleScanTypeType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType containerDiscrepancyCategoryType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType containerScanStateType

| | |
|------------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |
| annotation | documentation Scan data for Container Scan States |

simpleType containerStatusType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType countTypeType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType einductionDataSourceType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType fullServiceComplianceIndicatorType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | mailxml_base:yesNo |

simpleType MPSQueryType

| | |
|------------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |
| annotation | documentation Mail Piece Scan Query Type |

simpleType MPSStateType

| | |
|------------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |
| annotation | documentation Scan States for Mail Piece Scan Data |

simpleType pieceScanEventTypeType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType problemCategoryType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType problemTypeType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType reasonCodeType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

simpleType retrieveDataByType

| | |
|-----------|---|
| namespace | http://delivery-tech.org/Specs/mailxml25.4/mailxml_defs |
| type | restriction of xs:string |

XML Schema documentation generated by **XMLESpy** Schema Editor <http://www.altova.com/xmlspy>