

Mail.XML Version 27.0

System Messages Specification

Wednesday, March 20, 2024

Working Group Chair

Shawn Baldwin, WindowBook

Technical Director

Shariq Mirza, DTAC Associate, Assurety Consulting & Solutions

Editor

Shariq Mirza, DTAC Associate, Assurety Consulting & Solutions

Copyright (c) 2022 – Delivery Technology Advocacy Council (“DTAC ”). All Rights Reserved.

Mail.dat is a registered trademark of DTAC

Mail.XML is a trademark of DTAC



Copyright and Legal Notices

© 2022 Delivery Technology Advocacy Council. All Rights Reserved.

Copyright 2022 – Delivery Technology Advocacy Council (“DTAC”) is the “Copyright Owner” of “Mail.XML®”. All rights reserved by the Copyright Owner under the laws of the United States, Belgium, the European Economic Community, and all states, domestic and foreign. This document may be downloaded and copied provided that all copies retain and display the copyright and any other proprietary notices contained in this document. This document may not be sold, modified, edited, or taken out of context such that it creates a false or misleading statement or impression as to the purpose or use of the Mail.XML® specification, which is an open standard. Use of this Standard, in accord with the foregoing limited permission, shall not create for the user any rights in or to the copyright, which rights are exclusively reserved to the Copyright Owner.

DTAC and the members of the Mail.XML® Specifications - Committee (collectively and individually, "Presenters") make no representations or warranties, express or implied, including, but not limited to, warranties of merchantability, fitness, for a particular purpose, title, or non-infringement. The presenters do not make any representation or warranty that the contents of this document are free from error, suitable for any purpose of any user, or that implementation of such contents will not infringe any third-party patents, copyrights, trademarks or other rights. By making use of this document, the user assumes all risks and waives all claims against Presenters.

In no event shall Presenters be liable to user (or other person) for direct, indirect, special or consequential damages arising from or related to any use of this document, including, without limitation, lost profits, business interruption, loss of programs, or other data on your information handling system even if Presenters are expressly advised of the possibility of such damages.

Some states do not allow the disclaimer or limitation of damages, so the disclaimers set forth above apply to the maximum extent permitted under applicable law.

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.

Mail.XML and Mail.dat are trademarks of DTAC.

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 27.0?

With this release, the Mail.XML Messaging Protocol moves to Version 27.0. This release supports structure changes required by mailing industry and Postal Service.

Changes supported by Mail.XML 27.0 include:

- 2704 - Proposal to remove Parcel Select Light Weight.
- 2708 - Proposal to removal of unused eMailPieceSampleGroupID field from Incentive block
- 2709 - Proposal to convert the RateType value of V from FCM Election Mail to Reserved (or remove)
- 2710 - Proposal to Remove enumerations for SampleLarge and SampleSmall
- 2712 - Proposal to Remove unused Election Mail characteristic enumeration.
- 2713 - Proposal to support the new add-on promotions for 2025 Mailing Promotions

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/mailxml27.0/mailxml"
targetNamespace="http://delivery-tech.org/Specs/mailxml27.0/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/mailxml27.0A/mailxml" then at least one of the XSDs is at same version such as filename = 'Mail.XML_27.0A.xsd' <- Errata A
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.org/Specs/mailxml27.0B/mailxml" then at least one of the XSDs is at same version such as filename = 'Mail.XML_27.0B.xsd' <- Errata B
- If the wrapper version is labeled as xmlns:mailxml="http://deliverytech.

org/Specs/mailxml27.0/mailxml" then at least one of the XSDs is at same version such as
filename ='Mail.XML_27.0.xsd' <- Major Version

Mail.XML 27.0 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™ 27.0 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 27.0. Updates in this Specification are NOT backwardly compatible with previous versions. Other documents in the specification set include:

- Mail.XML™ 27.0: Transportation Messaging Specification documents all transportation messages
- Mail.XML™ 27.0: Mailing Messaging Specification documents all mailing messages
- Mail.XML™ 27.0: Informed Visibility Specification documents all informed visibility messages
- Mail.XML™ 27.0: Data Distribution Messaging Specification documents all data distribution messages
- Mail.XML™ 27.0: Identification Messaging Specification documents all identification messages
- Mail.XML™ 27.0: Supply Chain Messaging Specification documents all supply chain messages
- Mail.XML™ 27.0: System Messaging Specification documents all systems and fault messages
- Mail.XML™ 27.0: Simple Types Specification documents all simple types used across Mail.XML messages
- Mail.XML™ 27.0: Common Definitions Specification documents all shared elements and complex

- types.
- Mail.XML™ 27.0: Schemas contains the .XSDs that make up the Mail.XML Messaging Specification

Table of Contents

Abstract	3
About Mail.XML™	3
What's New in Mail.XML Version 27.0?	3
About Mail.XML Schema Modularization	4
Mail.XML Module Versioning Rules	4
Mail.XML 27.0 XSD Modules	5
The Mail.XML™ 27.0 Messaging Documentation Set	5
Schema mailxml_defs_27.0.xsd	8

Schema mailxml_defs_27.0.xsd

schema location: ..\XSDs\mailxml_defs_27.0.xsd
attributeFormDefault: **qualified**
elementFormDefault: **qualified**
targetNamespace: http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

Elements

[ContainerDetailData](#)
[ContainerInfoData](#)
[DataRecipient](#)
[ExtraServiceData](#)
[LargeTransactionDivider](#)
[LargeTransactionDividerResult](#)
[QueryError](#)

Complex types

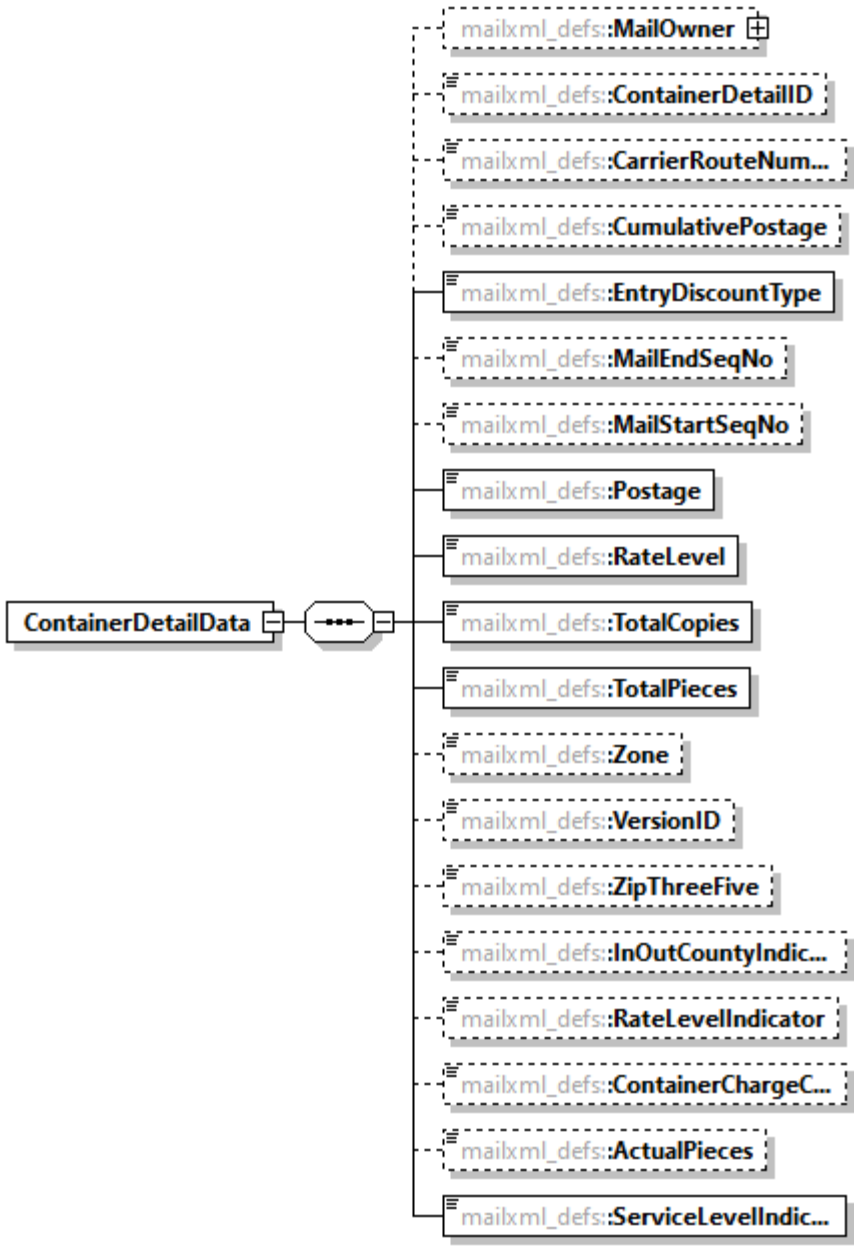
[addressType](#)
[basicReturnInfoType](#)
[commonContactType](#)
[consigneeFacilityType](#)
[consolidatorCommunicationInfoType](#)
[contactIDType](#)
[ContainerDiscrepancyType](#)
[containerErrorWarningBlockType](#)
[containerIDType](#)
[ContainerInductedType](#)
[containerInfoDataType](#)
[containerKeysInfoType](#)
[containerPostInductionInfoType](#)
[containerPreInductionInfoType](#)
[containerReleaseInfoType](#)
[containerStatusInfoType](#)
[contentIDType](#)
[CSQContainerDetailDataType](#)
[CSQcontainerInfoDataType](#)
[CSQlinkingContainerIDType](#)
[documentVersionDataforCSQType](#)
[errorWarningType](#)
[fullContainerIDType](#)
[gPSCoordinates](#)
[IMcbAndIMtbPieceScanInfoType](#)
[IMcbPieceScanInfoType](#)
[IMtbPieceScanInfoType](#)
[inductionCloseoutInfoType](#)
[inductionIssuesType](#)
[InductionProblemType](#)
[intelligentMailBarcodeType](#)
[intelligentMailPackageBarcodeType](#)
[maildatContainerIDType](#)
[MaildatMPUInfoType](#)
[mailPieceIDType](#)
[MailXMLContainerIDType](#)

Simple types

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

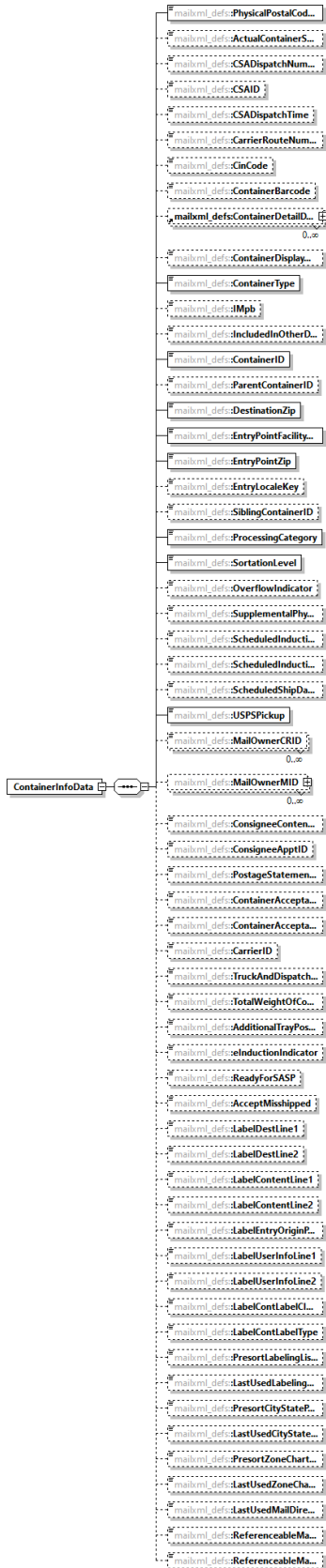
[mailxmlDetailType](#)
[measurementType](#)
[MIDType](#)
[MPSRBlockType](#)
[MPSVisIncludedInScanRecFlagType](#)
[MPSVisResultOptionsType](#)
[palletHandoffInfoType](#)
[participantIDType](#)
[permitPublicationDataType](#)
[pickupApptBlockResponseType](#)
[postageStatementSummaryType](#)
[PSRBlockType](#)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

element **ContainerDetailData**

<p>diagram</p>	 <pre> classDiagram class ContainerDetailData { MailOwner ContainerDetailID CarrierRouteNum... CumulativePostage EntryDiscountType MailEndSeqNo MailStartSeqNo Postage RateLevel TotalCopies TotalPieces Zone VersionID ZipThreeFive InOutCountyIndic... RateLevelIndicator ContainerChargeC... ActualPieces ServiceLevelIndic... } </pre> <p>The diagram illustrates the structure of the ContainerDetailData element. It is a container element, indicated by the double vertical bar on its left side. A dashed line connects it to a multiplicity box containing three dots (***), which then branches into a list of child elements. The child elements are:</p> <ul style="list-style-type: none"> <code>mailxml_defs:MailOwner</code> (indicated by a dashed line) <code>mailxml_defs:ContainerDetailID</code> (indicated by a dashed line) <code>mailxml_defs:CarrierRouteNum...</code> (indicated by a dashed line) <code>mailxml_defs:CumulativePostage</code> (indicated by a dashed line) <code>mailxml_defs:EntryDiscountType</code> (indicated by a solid line) <code>mailxml_defs:MailEndSeqNo</code> (indicated by a dashed line) <code>mailxml_defs:MailStartSeqNo</code> (indicated by a dashed line) <code>mailxml_defs:Postage</code> (indicated by a solid line) <code>mailxml_defs:RateLevel</code> (indicated by a solid line) <code>mailxml_defs:TotalCopies</code> (indicated by a solid line) <code>mailxml_defs:TotalPieces</code> (indicated by a solid line) <code>mailxml_defs:Zone</code> (indicated by a dashed line) <code>mailxml_defs:VersionID</code> (indicated by a dashed line) <code>mailxml_defs:ZipThreeFive</code> (indicated by a dashed line) <code>mailxml_defs:InOutCountyIndic...</code> (indicated by a dashed line) <code>mailxml_defs:RateLevelIndicator</code> (indicated by a dashed line) <code>mailxml_defs:ContainerChargeC...</code> (indicated by a dashed line) <code>mailxml_defs:ActualPieces</code> (indicated by a dashed line) <code>mailxml_defs:ServiceLevelIndic...</code> (indicated by a solid line)
<p>namespace</p>	<p>http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs</p>

element **ContainerInfoData**

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

element **DataRecipient**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

element **ExtraServiceData**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

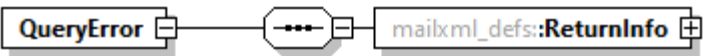
element **LargeTransactionDivider**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

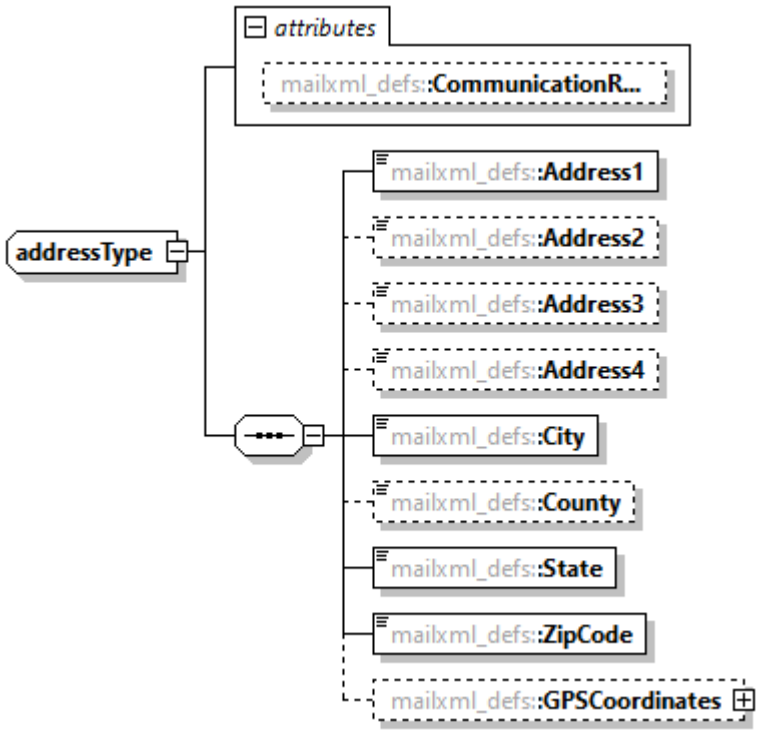
element **LargeTransactionDividerResult**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

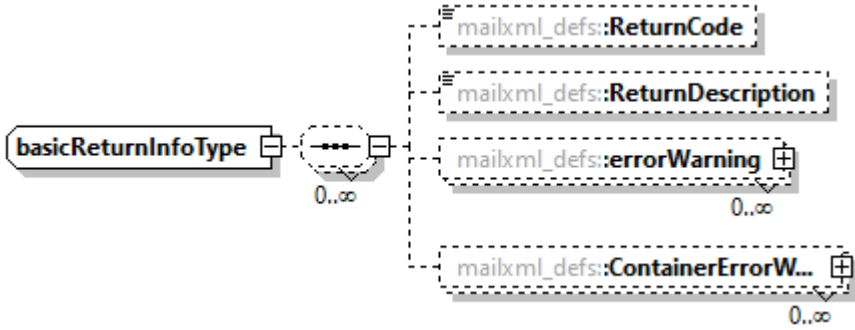
element **QueryError**

diagram	 <p>The diagram shows the QueryError element connected to the mailxml_defs::ReturnInfo element. The QueryError element has a description: "Error issued when the query data cannot be provided."</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
annotation	<p>documentation</p> <p>Error issued when the query data cannot be provided.</p>

complexType **addressType**

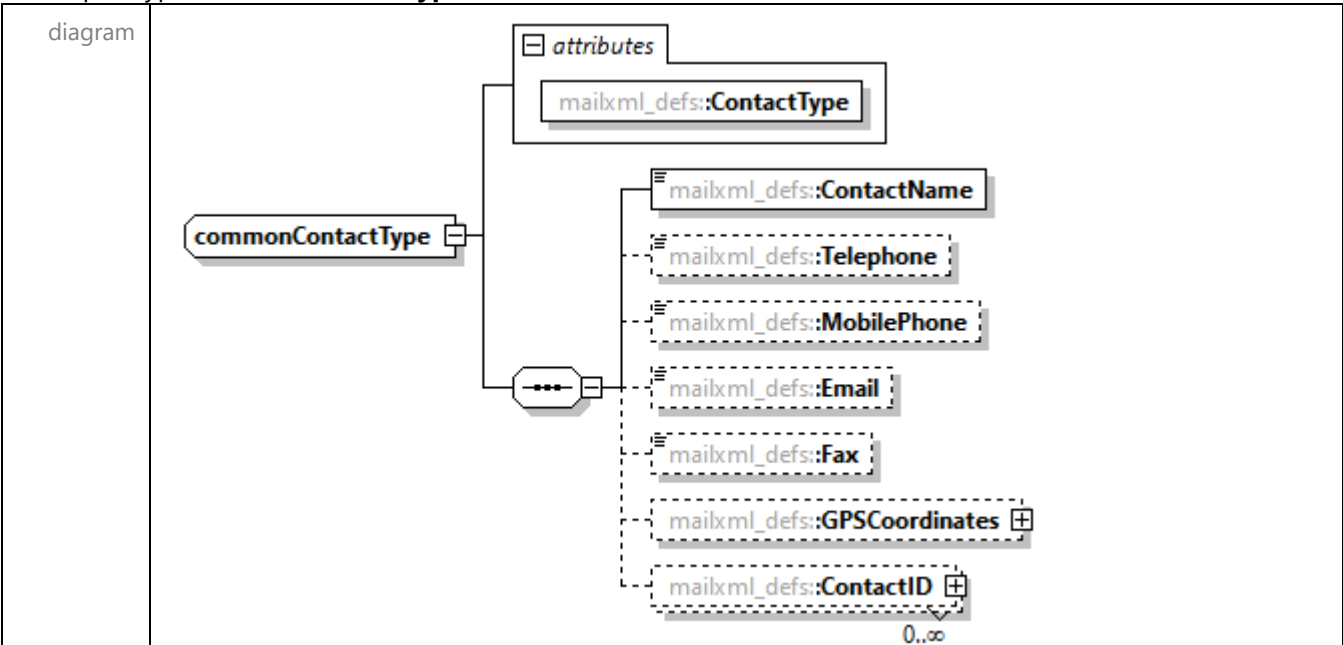
diagram	 <p>The diagram shows the addressType complexType. It has an attributes section containing mailxml_defs::CommunicationR.... The main body of the complexType contains several elements: mailxml_defs::Address1, mailxml_defs::Address2, mailxml_defs::Address3, mailxml_defs::Address4, mailxml_defs::City, mailxml_defs::County, mailxml_defs::State, mailxml_defs::ZipCode, and mailxml_defs::GPSCoordinates. The GPSCoordinates element is optional, indicated by a plus sign in a box.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **basicReturnInfoType**

diagram	 <p>The diagram shows the basicReturnInfoType complexType. It contains several elements: mailxml_defs::ReturnCode, mailxml_defs::ReturnDescription, mailxml_defs::errorWarning, and mailxml_defs::ContainerErrorW.... The errorWarning and ContainerErrorW... elements are optional, indicated by a plus sign in a box. The errorWarning element has a cardinality of 0..∞, and the ContainerErrorW... element has a cardinality of 0..∞.</p>
---------	--

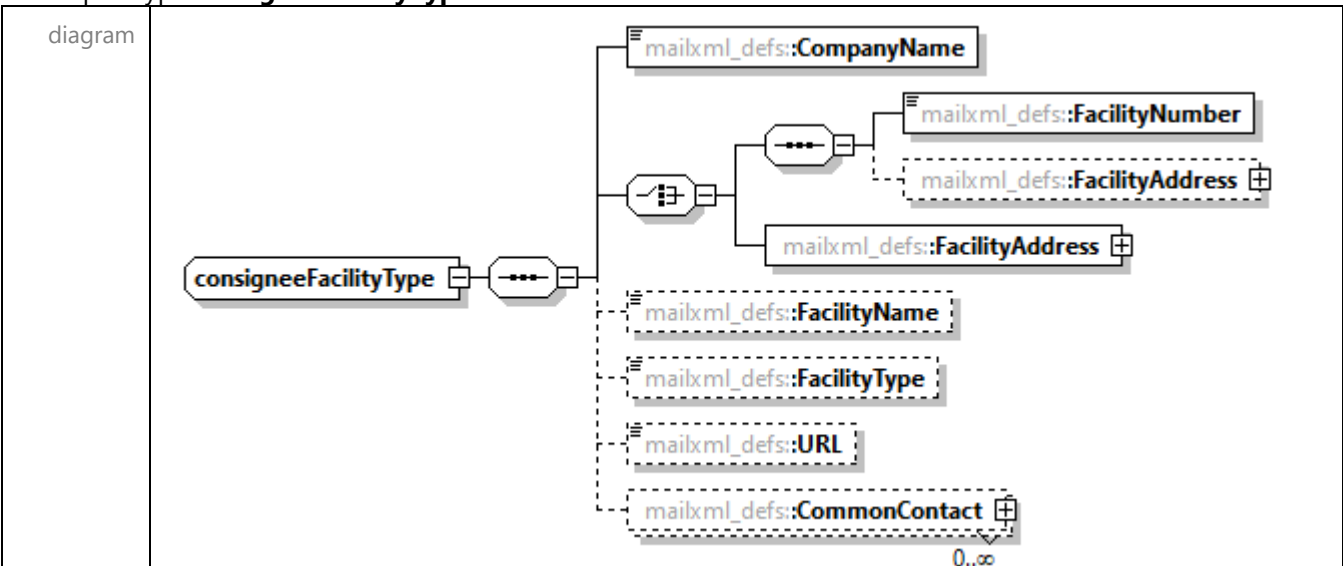
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **commonContactType**



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **consigneeFacilityType**



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **consolidatorCommunicationInfoType**

diagram

consolidatorCommunicationInf...

```

<?xml version="1.0" encoding="UTF-8" ?>
<consolidatorCommunicationInfoType>
  <?xml version="1.0" encoding="UTF-8" ?>
  <PalletID>
    <?xml version="1.0" encoding="UTF-8" ?>
  </PalletID>
  <ContainerBarcode>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ContainerBarcode>
  <InterrollID>
    <?xml version="1.0" encoding="UTF-8" ?>
  </InterrollID>
  <BillingNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </BillingNumber>
  <OriginFacilityInfo>
    <?xml version="1.0" encoding="UTF-8" ?>
  </OriginFacilityInfo>
  <ConsolidatorFacility>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ConsolidatorFacility>
  <PalletCount>
    <?xml version="1.0" encoding="UTF-8" ?>
  </PalletCount>
  <FacilityType>
    <?xml version="1.0" encoding="UTF-8" ?>
  </FacilityType>
  <DestinationCity>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DestinationCity>
  <DestinationState>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DestinationState>
  <DestinationZipCode>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DestinationZipCode>
  <LocalKey>
    <?xml version="1.0" encoding="UTF-8" ?>
  </LocalKey>
  <FirstPickupDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </FirstPickupDate>
  <ActualWarehouse>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ActualWarehouse>
  <DueAtConsolidator>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DueAtConsolidator>
  <RecdAtConsolidator>
    <?xml version="1.0" encoding="UTF-8" ?>
  </RecdAtConsolidator>
  <ConsolidatedInvoice>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ConsolidatedInvoice>
  <ShippedQuantity>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ShippedQuantity>
  <ShipmentComplete>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ShipmentComplete>
  <ConsolidatorShip>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ConsolidatorShip>
  <BeginDeliveryWindow>
    <?xml version="1.0" encoding="UTF-8" ?>
  </BeginDeliveryWindow>
  <EndDeliveryWindow>
    <?xml version="1.0" encoding="UTF-8" ?>
  </EndDeliveryWindow>
  <ApptDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ApptDate>
  <ActualDeliveryDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ActualDeliveryDate>
  <CoPalPoolDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </CoPalPoolDate>
  <DeliveryType>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DeliveryType>
  <PurchaseOrderNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </PurchaseOrderNumber>
  <SackTrayCount>
    <?xml version="1.0" encoding="UTF-8" ?>
  </SackTrayCount>
  <PieceCount>
    <?xml version="1.0" encoding="UTF-8" ?>
  </PieceCount>
  <Weight>
    <?xml version="1.0" encoding="UTF-8" ?>
  </Weight>
  <ContainerStatus>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ContainerStatus>
  <LastPickupDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </LastPickupDate>
  <LastPickupType>
    <?xml version="1.0" encoding="UTF-8" ?>
  </LastPickupType>
  <CurrentZone>
    <?xml version="1.0" encoding="UTF-8" ?>
  </CurrentZone>
  <CurrentLocation>
    <?xml version="1.0" encoding="UTF-8" ?>
  </CurrentLocation>
  <AppointmentDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </AppointmentDate>
  <AppointmentNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </AppointmentNumber>
  <CustomerName>
    <?xml version="1.0" encoding="UTF-8" ?>
  </CustomerName>
  <InvoiceNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </InvoiceNumber>
  <BillTo>
    <?xml version="1.0" encoding="UTF-8" ?>
  </BillTo>
  <MailPreparerJobID>
    <?xml version="1.0" encoding="UTF-8" ?>
  </MailPreparerJobID>
  <StatComment>
    <?xml version="1.0" encoding="UTF-8" ?>
  </StatComment>
  <ServiceRequestID>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ServiceRequestID>
  <ServiceItem>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ServiceItem>
  <ReferenceNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ReferenceNumber>
  <VersionNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </VersionNumber>
  <Method>
    <?xml version="1.0" encoding="UTF-8" ?>
  </Method>
  <OutboundShipping>
    <?xml version="1.0" encoding="UTF-8" ?>
  </OutboundShipping>
  <MidDayOffTransit>
    <?xml version="1.0" encoding="UTF-8" ?>
  </MidDayOffTransit>
  <ActualTransit>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ActualTransit>
  <HoldDays>
    <?xml version="1.0" encoding="UTF-8" ?>
  </HoldDays>
  <DeliveryConfirmation>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DeliveryConfirmation>
  <ScheduledPickup>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ScheduledPickup>
  <ScheduledPickup>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ScheduledPickup>
  <PS8125Received>
    <?xml version="1.0" encoding="UTF-8" ?>
  </PS8125Received>
  <SegmentTapeCode>
    <?xml version="1.0" encoding="UTF-8" ?>
  </SegmentTapeCode>
  <BillingVersionNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </BillingVersionNumber>
  <MailPreparerJobNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </MailPreparerJobNumber>
  <MailPreparerJobNumber>
    <?xml version="1.0" encoding="UTF-8" ?>
  </MailPreparerJobNumber>
  <StartFacilityDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </StartFacilityDate>
  <EndFacilityDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </EndFacilityDate>
  <DSMSStatus>
    <?xml version="1.0" encoding="UTF-8" ?>
  </DSMSStatus>
  <ReleasedBy>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ReleasedBy>
  <ReleasedDate>
    <?xml version="1.0" encoding="UTF-8" ?>
  </ReleasedDate>
</consolidatorCommunicationInfoType>

```


namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **contactIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **ContainerDiscrepancyType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerErrorWarningBlockType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerIDType**

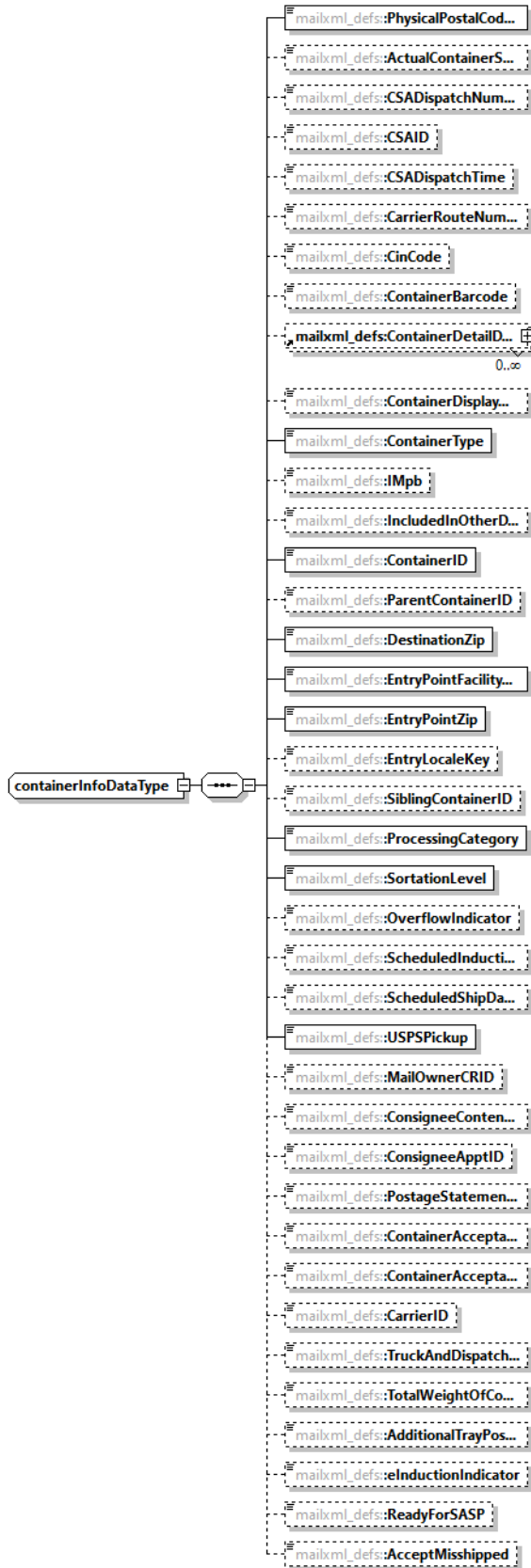
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **ContainerInductedType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerInfoDataType**

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **containerKeysInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerPostInductionInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerPreInductionInfoType**

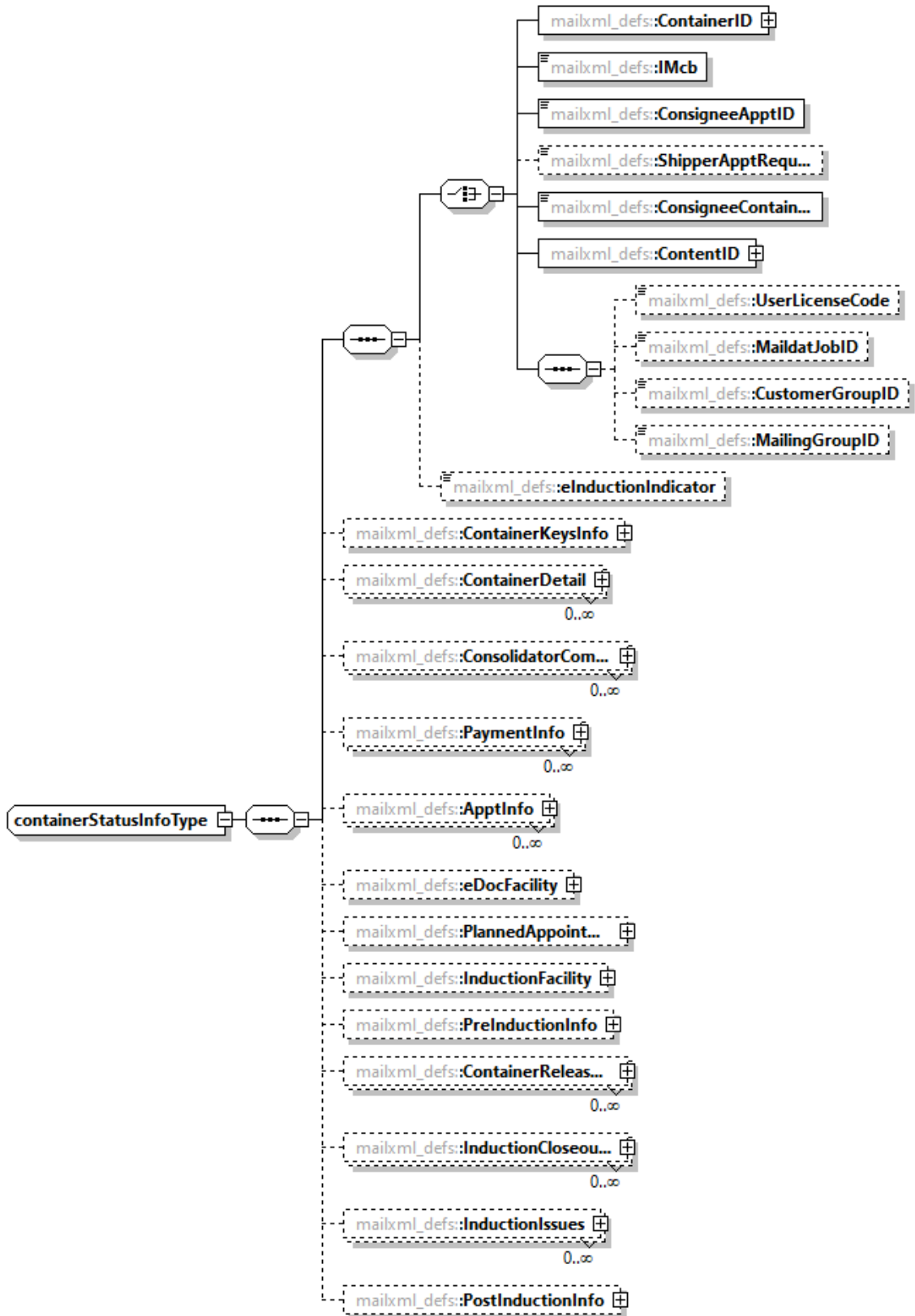
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **containerReleaseInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

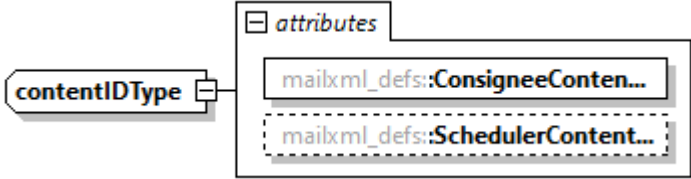
complexType containerStatusInfoType

diagram



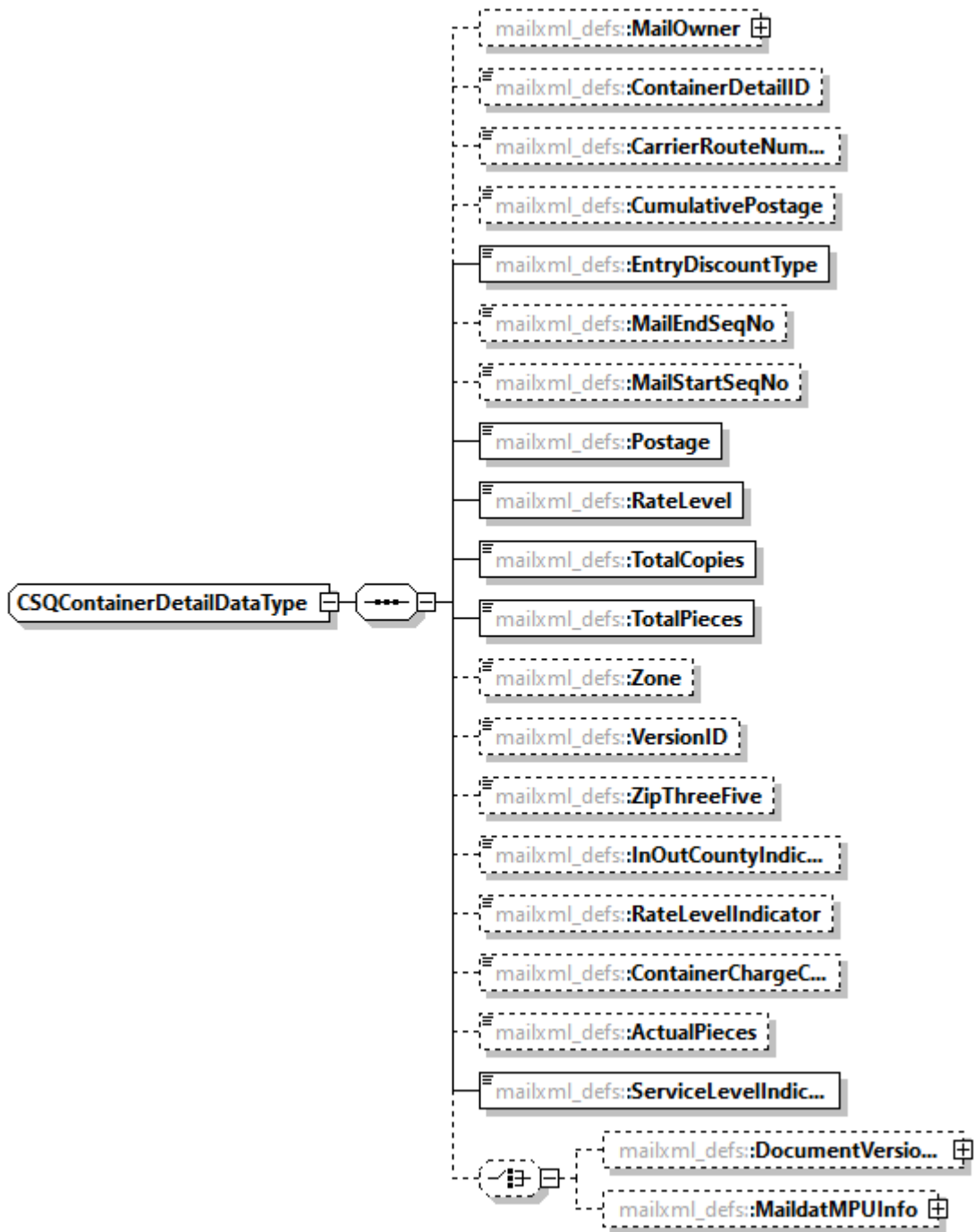
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **contentIDType**

diagram	 <p>The diagram shows a complex type named contentIDType. It has a single attribute named <i>attributes</i>. The attribute's value is a choice between two elements: <code>mailxml_defs:ConsigneeConten...</code> (solid border) and <code>mailxml_defs:SchedulerContent...</code> (dashed border).</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **CSQContainerDetailDataType**

diagram



namespace

http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **CSQcontainerInfoDataType**

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **CSQlinkingContainerIDType**

diagram	<pre> xsd:complexType base="mailxml_defs:MaildatContainer" name="CSQlinkingContainerIDType"> <xsd:choice> <xsd:element base="mailxml_defs:MailXMLContainer" type="base"></xsd:element> <xsd:element base="mailxml_defs:ContainerBarcode" type="base"></xsd:element> <xsd:element base="mailxml_defs:MaildatContainer" type="base"></xsd:element> </xsd:choice> </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **documentVersionDataforCSQType**

diagram	<pre> xsd:complexType base="mailxml_defs:VersionID" name="documentVersionDataforCSQType"> <xsd:choice> <xsd:element base="mailxml_defs:VersionName" type="base"></xsd:element> <xsd:element base="mailxml_defs:VersionDescription" type="base"></xsd:element> <xsd:element base="mailxml_defs:PieceWeight" type="base"></xsd:element> <xsd:element base="mailxml_defs:AdPercent" type="base"></xsd:element> <xsd:element base="mailxml_defs:RateAffixed" type="base"></xsd:element> <xsd:element base="mailxml_defs:PermitPublicatio..." type="base"></xsd:element> <xsd:element base="mailxml_defs:MailPieceBlock" type="base"></xsd:element> </xsd:choice> </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **errorWarningType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **fullContainerIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **gPSCoordinates**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **IMcbAndIMtbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **IMcbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **IMtbPieceScanInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **inductionCloseoutInfoType**

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **inductionIssuesType**

diagram	<p>The diagram shows the inductionIssuesType complex type. It consists of a sequence of three elements: mailxml_defs:ContainerProblem, mailxml_defs:AppointmentPro..., and mailxml_defs:TruckLoadProblem. Each element is optional (indicated by a dashed border) and can occur zero or infinite times (indicated by $0..∞$).</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **InductionProblemType**

diagram	<p>The diagram shows the InductionProblemType complex type. It consists of a sequence of five elements: mailxml_defs:ProblemID, mailxml_defs:ProblemDescripti..., mailxml_defs:ProblemType, mailxml_defs:ProblemCategory, and mailxml_defs:ProblemResolution. The first element is required (solid border), while the others are optional (dashed border).</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

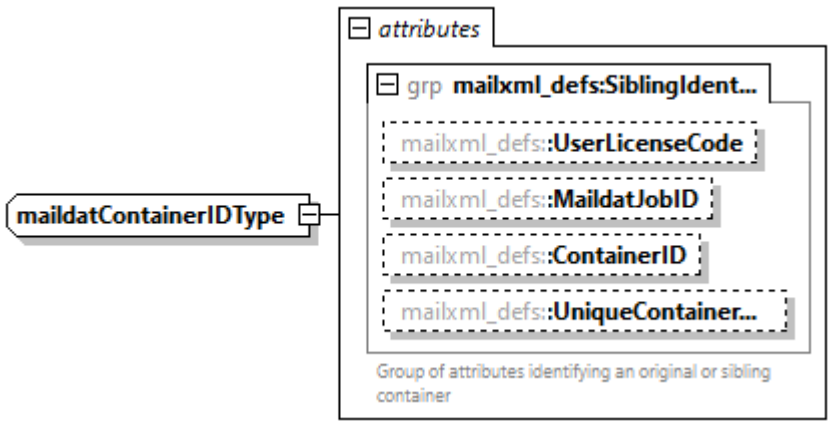
complexType **intelligentMailBarcodeType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **intelligentMailPackageBarcodeType**

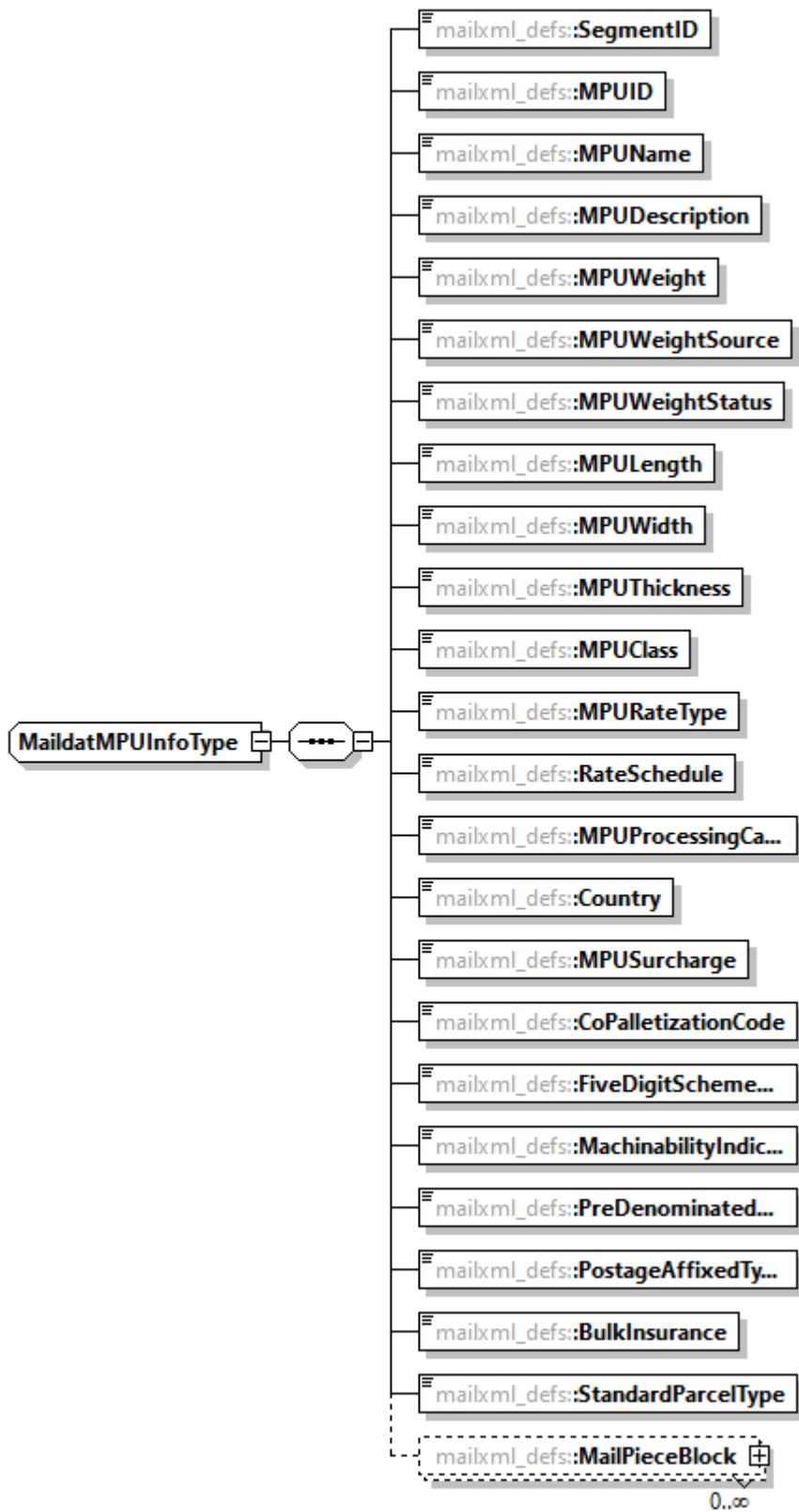
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **maildatContainerIDType**

diagram	 <p>The diagram illustrates the structure of the maildatContainerIDType complex type. It features a central box labeled maildatContainerIDType with a small square icon on its right side. To the right of this box is a large container labeled attributes with a square icon. Inside the attributes container is a group labeled grp mailxml_defs:SiblingIdent... with a square icon. This group contains four dashed-line boxes, each representing an attribute: mailxml_defs:UserLicenseCode, mailxml_defs:MaildatJobID, mailxml_defs:ContainerID, and mailxml_defs:UniqueContainer.... Below the group, a text label reads: "Group of attributes identifying an original or sibling container".</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType MaildatMPUInfoType

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
-----------	---

complexType **mailPieceldType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **MailXMLContainerIDType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **mailxmlDetailType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **measurementType**

diagram	<pre> sequenceDiagram measurementType --> seq1 seq1 --> choice choice --> Value[mailxml_defs::Value] choice --> RangeMin[mailxml_defs::RangeMin] choice --> RangeMax[mailxml_defs::RangeMax] </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **MIDType**

diagram	<pre> sequenceDiagram MIDType --> seq1 seq1 --> choice choice --> MID6[mailxml_defs::MID6] choice --> MID9[mailxml_defs::MID9] </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **MPSRBlockType**

diagram	<pre> sequenceDiagram MPSRBlockType --> seq1 seq1 --> choice choice --> ContainerID[mailxml_defs::ContainerID] ContainerID --> 1inf[1..∞] choice --> PSRBlock[mailxml_defs::PSRBlock] PSRBlock --> 1inf[1..∞] </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **MPSVisIncludedInScanRecFlagType**

diagram	<pre> sequenceDiagram MPSVisIncludedInScanRecFlagT... --> seq1 seq1 --> choice choice --> IMcb[mailxml_defs::IMcb] choice --> IMtb[mailxml_defs::IMtb] choice --> BundleID[mailxml_defs::BundleID] </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

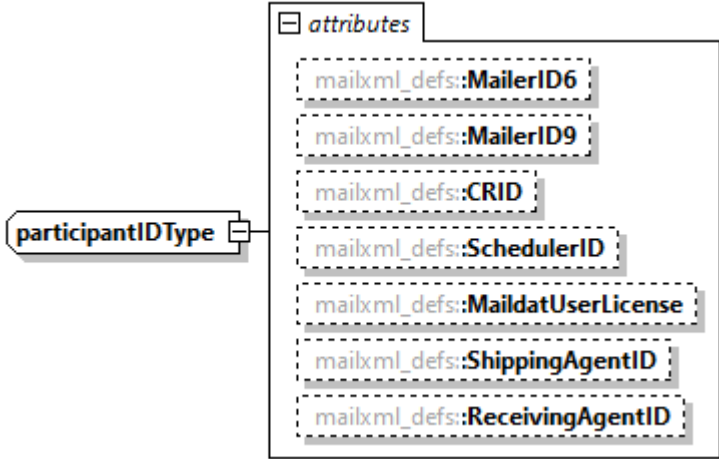
complexType **MPSVisResultOptionsType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

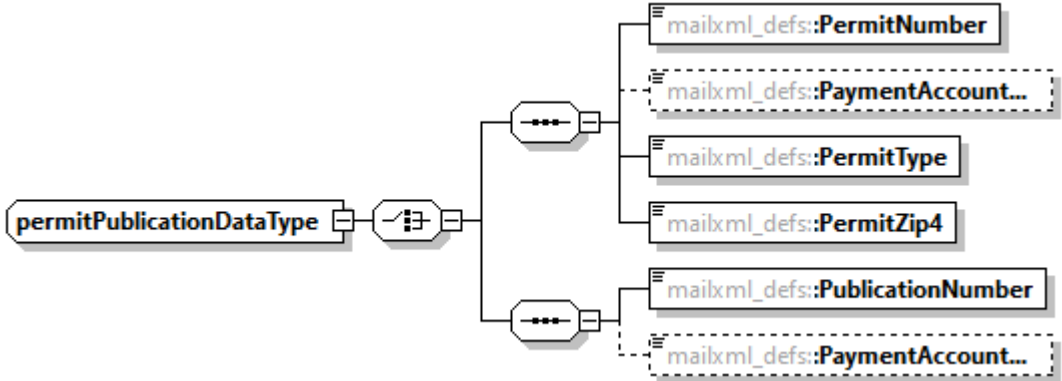
complexType **palletHandoffInfoType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **participantIDType**

diagram	 <p>The diagram shows a complex type named participantIDType. It has a list of attributes under the heading attributes. The attributes are:</p> <ul style="list-style-type: none"> mailxml_defs:MailerID6 mailxml_defs:MailerID9 mailxml_defs:CRID mailxml_defs:SchedulerID mailxml_defs:MaildatUserLicense mailxml_defs:ShippingAgentID mailxml_defs:ReceivingAgentID
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **permitPublicationDataType**

diagram	 <p>The diagram shows a complex type named permitPublicationDataType. It has a sequence of elements. The elements are:</p> <ul style="list-style-type: none"> mailxml_defs:PermitNumber mailxml_defs:PaymentAccount... mailxml_defs:PermitType mailxml_defs:PermitZip4 mailxml_defs:PublicationNumber mailxml_defs:PaymentAccount...
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **pickupApptBlockResponseType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

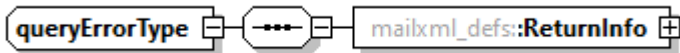
complexType **postageStatementSummaryType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

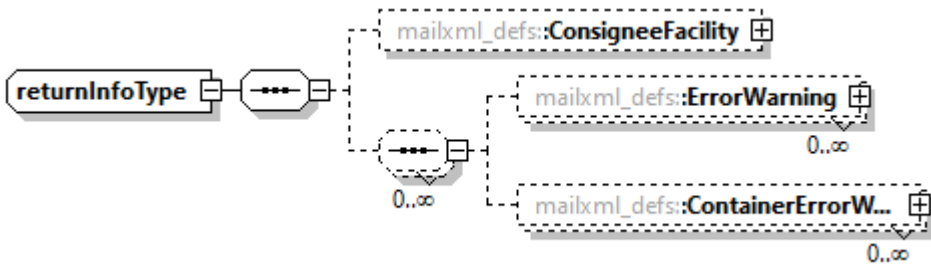
complexType **PSRBlockType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

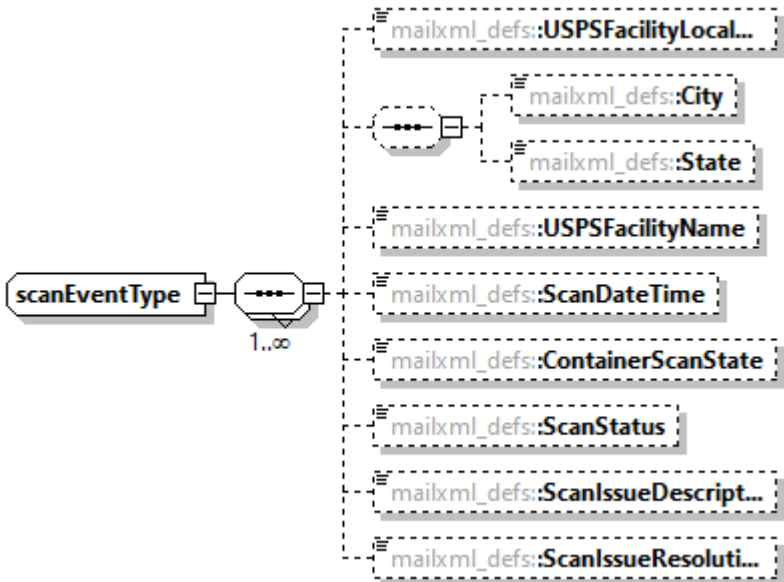
complexType **queryErrorType**

diagram	 The diagram shows the 'queryErrorType' complex type. It consists of a 'queryErrorType' element (rectangle with rounded ends) connected to a sequence container (octagon with three dots). This container is connected to a 'ReturnInfo' element (rectangle with rounded ends) from the 'mailxml_defs' namespace, which has a '+' sign in its top right corner.
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **returnInfoType**

diagram	 The diagram shows the 'returnInfoType' complex type. It starts with a 'returnInfoType' element (rectangle with rounded ends) connected to a sequence container (octagon with three dots). This container is connected to a 'ConsigneeFacility' element (rectangle with rounded ends) from the 'mailxml_defs' namespace, which has a '+' sign. Below this, there is another sequence container (octagon with three dots) with a '0..∞' cardinality. This container is connected to two elements: 'ErrorWarning' (rectangle with rounded ends) and 'ContainerErrorW...' (rectangle with rounded ends), both from the 'mailxml_defs' namespace and both having a '+' sign. Both of these elements have a '0..∞' cardinality.
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **scanEventType**

diagram	 The diagram shows the 'scanEventType' complex type. It begins with a 'scanEventType' element (rectangle with rounded ends) connected to a sequence container (octagon with three dots) with a '1..∞' cardinality. This container is connected to a series of elements from the 'mailxml_defs' namespace: 'USPSFacilityLocal...' (rectangle with rounded ends), a sequence container (octagon with three dots) containing 'City' and 'State' (both rectangles with rounded ends), 'USPSFacilityName' (rectangle with rounded ends), 'ScanDateTime' (rectangle with rounded ends), 'ContainerScanState' (rectangle with rounded ends), 'ScanStatus' (rectangle with rounded ends), 'ScanIssueDescript...' (rectangle with rounded ends), and 'ScanIssueResoluti...' (rectangle with rounded ends). All elements except the first and the middle sequence container have a '+' sign in their top right corner.
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **submittingSoftwareType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs

complexType **zipCode**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	extension of mailxml_base:ns09

simpleType **bundleScanTypeType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **containerDiscrepancyCategoryType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **containerScanStateType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string
annotation	documentation Scan data for Container Scan States

simpleType **containerStatusType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **countTypeType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **einductionDataSourceType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **fullServiceComplianceIndicatorType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	mailxml_base:yesNo

simpleType **MPSQueryType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string
annotation	documentation Mail Piece Scan Query Type

simpleType **MPSSStateType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string
annotation	documentation Scan States for Mail Piece Scan Data

simpleType **pieceScanEventTypeType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **problemCategoryType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **problemTypeType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **reasonCodeType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string

simpleType **retrieveDataByType**

namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_defs
type	restriction of xs:string