

Mail.XML Version 27.0

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 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	3
Mail.XML Module Versioning Rules	4
Mail.XML 27.0 XSD Modules	5
The Mail.XML™ 27.0 Messaging Documentation Set	5
Schema mailxml_dd_27.0.xsd	8

Schema mailxml_dd_27.0.xsd

schema location: ..\XSDs\mailxml_dd_27.0.xsd
attributeFormDefault: **qualified**
elementFormDefault: **qualified**
targetNamespace: **http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd**

Elements

[AddressCorrection](#)

[AddressCorrectionDelivery](#)
[AddressCorrectionNotification](#)
[AddressCorrectionQueryRequest](#)
[AddressCorrectionQueryResponse](#)
[ByForConflictDelivery](#)

[ByForConflictNotification](#)

[ByForConflictQueryRequest](#)

[ByForConflictQueryResponse](#)

[ContainerVisibilityEntry](#)

[DataQualityVerificationReportDelivery](#)

[DataQualityVerificationReportNotification](#)

[DataQualityVerificationReportQueryRequest](#)

[DataQualityVerificationReportQueryResponse](#)

[DeliveryPointValidation](#)

[DeliveryPointValidationDelivery](#)

[DeliveryPointValidationNotification](#)

[DeliveryPointValidationQueryRequest](#)

[DeliveryPointValidationQueryResponse](#)

[IMbMailpieceScanData](#)

[NixieDetail](#)

[NixieDetailDelivery](#)

[NixieDetailNotification](#)

[NixieDetailQueryRequest](#)

[NixieDetailQueryResponse](#)

[NonComplianceDataWithPostageOwedQueryRequest](#)

[NonComplianceDataWithPostageOwedReportDelivery](#)

[NonComplianceDataWithPostageOwedReportNotification](#)

[NonComplianceDataWithPostageOwedReportQueryResponse](#)

Complex types

[addressCorrectionAddressType](#)

[byForConflictType](#)
[clockStartedType](#)
[dqrContainerInfoType](#)
[foreignAddressType](#)
[manifestScanEventDetailType](#)

[manifestScanNotificationDataType](#)

[manifestScanQueryType](#)

[MPSNotificationDataType](#)

[MPSRResponseBlockType](#)

[MPSVisScanQueryType](#)

[newAddressCorrectionAddressType](#)

[nonComplianceDataWithPostageOwedReportType](#)

[PSRResponseBlockType](#)

[unManifestedScanEventDetailType](#)

[verificationErrorType](#)

Simple types

[addressCorrectionMoveType](#)

[addressTypeType](#)

[containerScanStateType](#)

[deliverabilityCodeType](#)

[eDocTypeType](#)

[primarySecondaryIndicatorType](#)

[verificationErrorTypeType](#)

[verificationWarningTypeType](#)

[ScanSTCCount](#)

[ScanSTCReconciliationDelivery](#)

[ScanSTCReconciliationNotification](#)

[ScanSTCReconciliationQueryRequest](#)

[ScanSTCReconciliationQueryResponse](#)

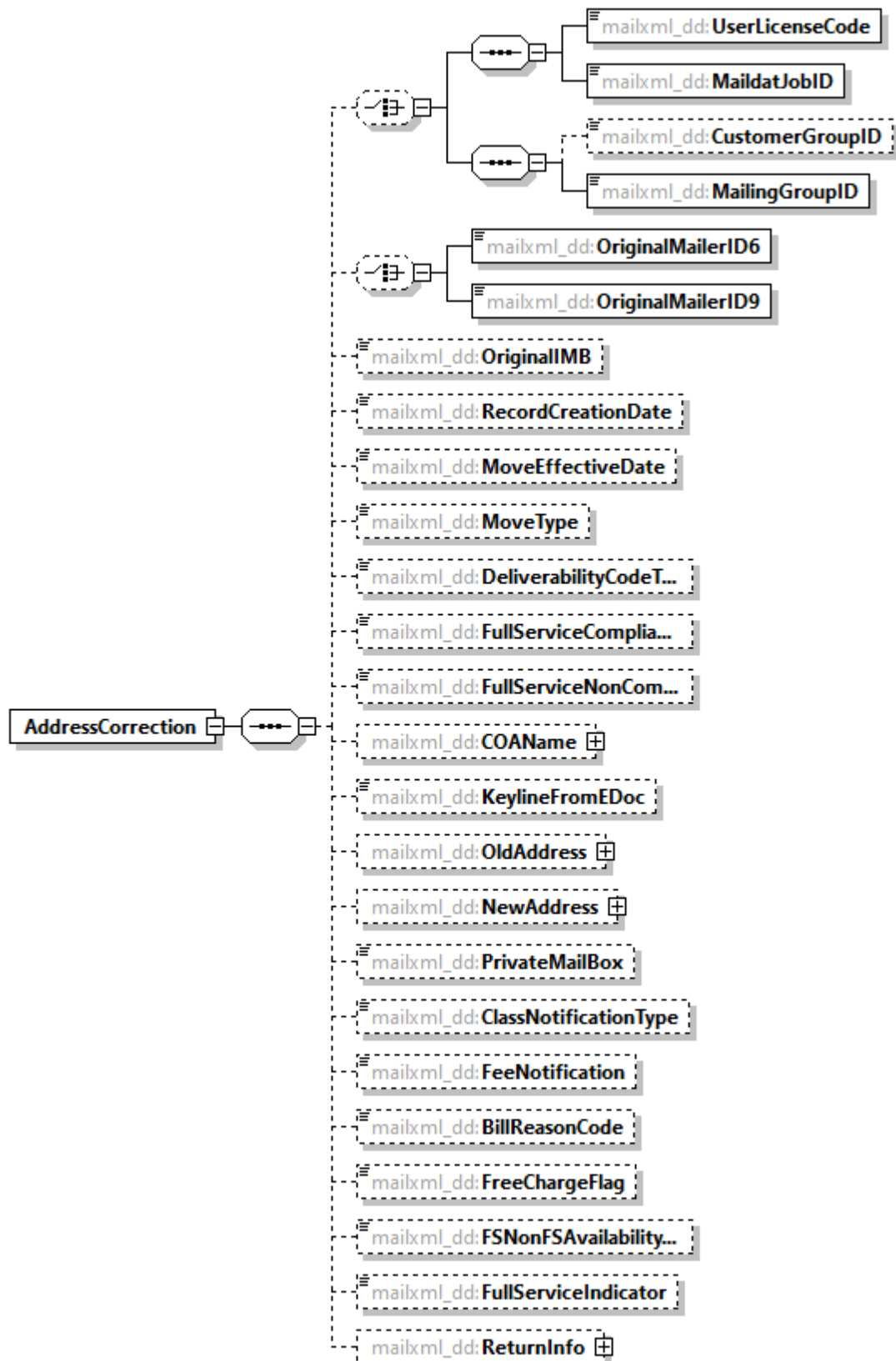
[StartTheClockBEMUBlock](#)

[StartTheClockDropShipOrOrigin](#)

[StartTheClockPlantLoadBlock](#)

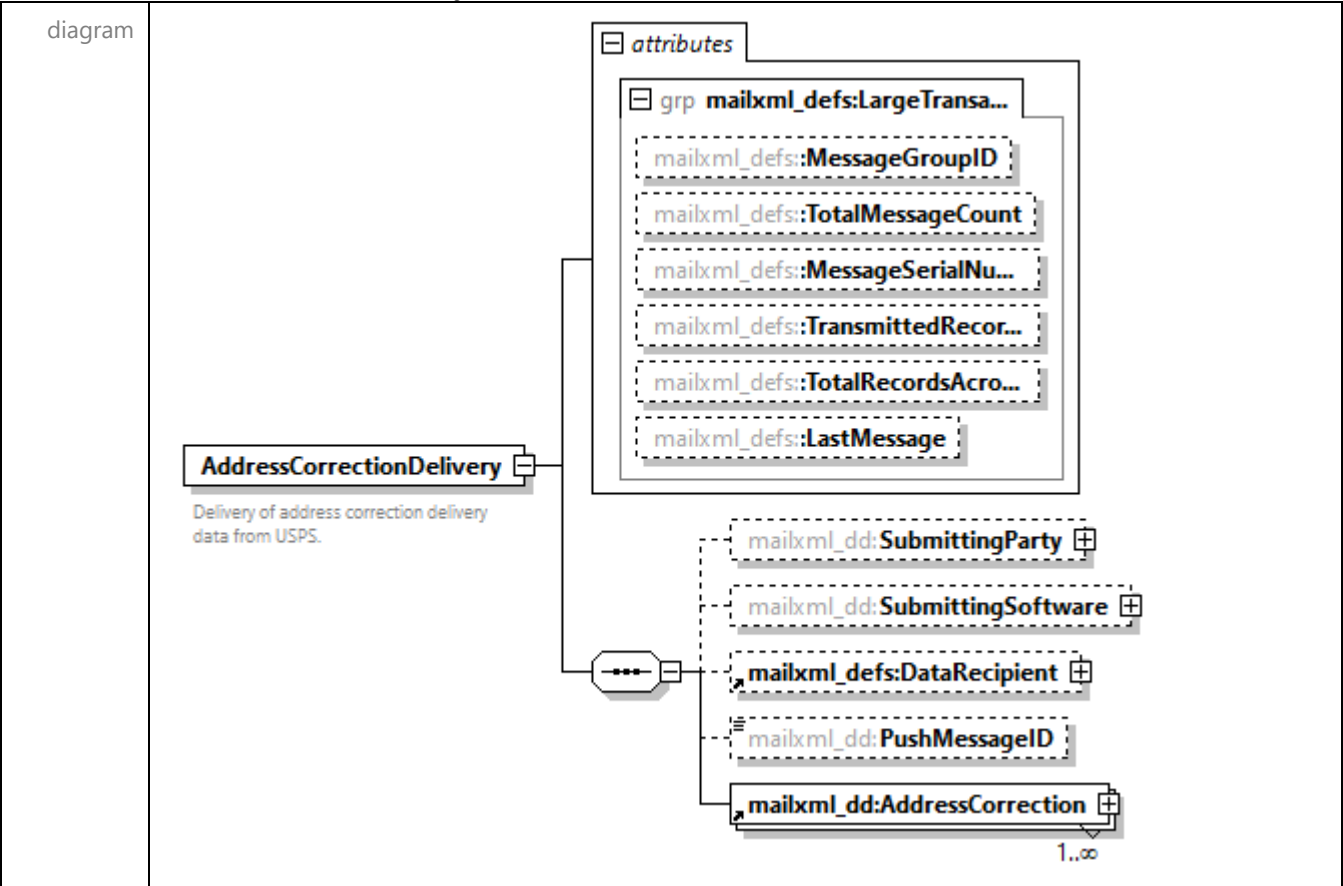
element **AddressCorrection**

diagram



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

element **AddressCorrectionDelivery**



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Delivery of address correction delivery data from USPS.

element **AddressCorrectionNotification**

diagram	<p>AddressCorrectionNotification Notification from UPSP that address correction data is ready to pick up.</p> <p>mailxml_dd:SubmittingParty</p> <p>mailxml_dd:SubmittingSoftware</p> <p>mailxml_dd:CRID</p> <p>mailxml_dd:PushMessageID</p> <p>mailxml_dd:UserLicenseCode</p> <p>mailxml_dd:MaildatJobID</p> <p>mailxml_dd:CustomerGroupID</p> <p>mailxml_dd:MailingGroupID</p> <p>mailxml_dd:FSNonFSAvailability...</p> <p>mailxml_dd:NotificationDate</p> <p>mailxml_dd:AvailableRecordCou...</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Notification from UPSP that address correction data is ready to pick up.

element **AddressCorrectionQueryRequest**

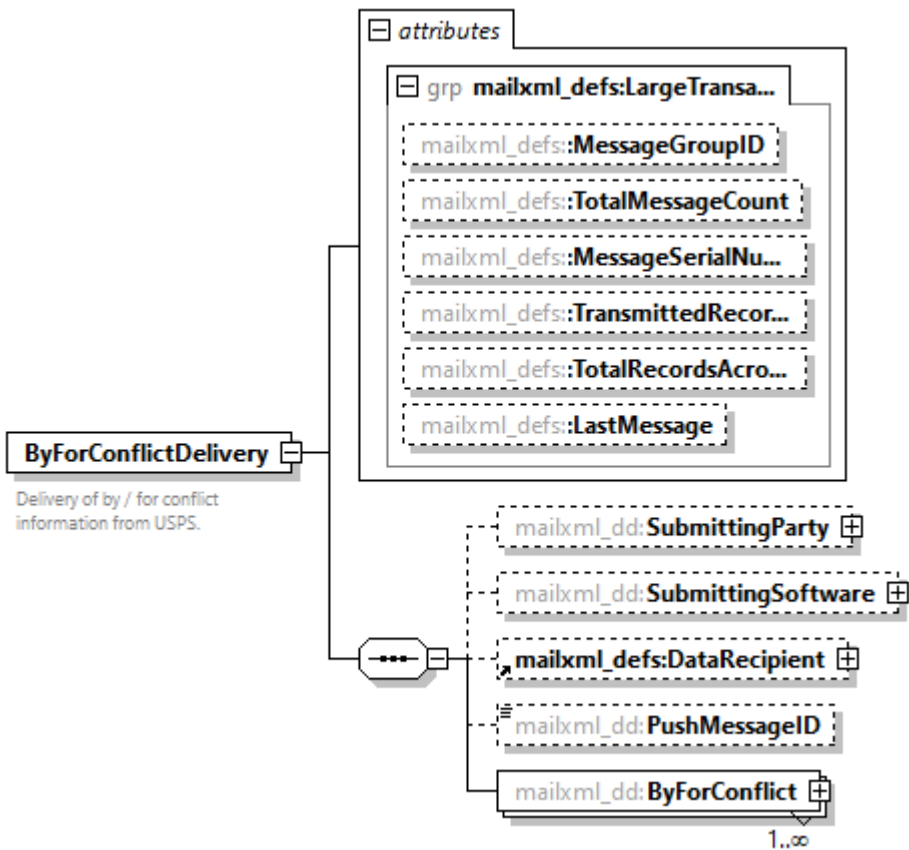
diagram	<p>AddressCorrectionQueryRequ... Query request for full service address correction data.</p> <p>mailxml_dd:SubmittingParty</p> <p>mailxml_dd:SubmittingSoftware</p> <p>mailxml_dd:SubmitterTrackingID</p> <p>mailxml_dd:OwningParty</p> <p>mailxml_dd:PieceRequest</p> <p>1..∞</p> <p>mailxml_dd:retrieveDataBy</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Query request for full service address correction data.

element **AddressCorrectionQueryResponse**

diagram	<p>The diagram illustrates the structure of the AddressCorrectionQueryResponse element. It features a main box labeled AddressCorrectionQueryRespo... with a description: "Response to the query request for full service address correction data." This box is connected to a large container labeled attributes. Inside the attributes container, there is a group box labeled grp mailxml_defs:LargeTransa... which contains five elements: mailxml_defs::MessageGroupID, mailxml_defs::TotalMessageCount, mailxml_defs::MessageSerialNu..., mailxml_defs::TransmittedRecor..., and mailxml_defs::TotalRecordsAcro.... Below this group, there is a dashed box labeled mailxml_defs::LastMessage. To the right of the attributes container, there is a dashed box labeled mailxml_dd:TrackingID and another dashed box labeled mailxml_dd:SubmitterTrackingID. Below these, there is a box labeled mailxml_dd:QueryResults and a box labeled mailxml_defs:QueryError with a description: "Error issued when the query data cannot be provided." The diagram uses various symbols to indicate relationships and constraints, such as solid and dashed lines, and specific connector symbols.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Response to the query request for full service address correction data.

element **ByForConflictDelivery**

diagram



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

annotation
documentation
Delivery of by / for conflict information from USPS.

element **ByForConflictNotification**

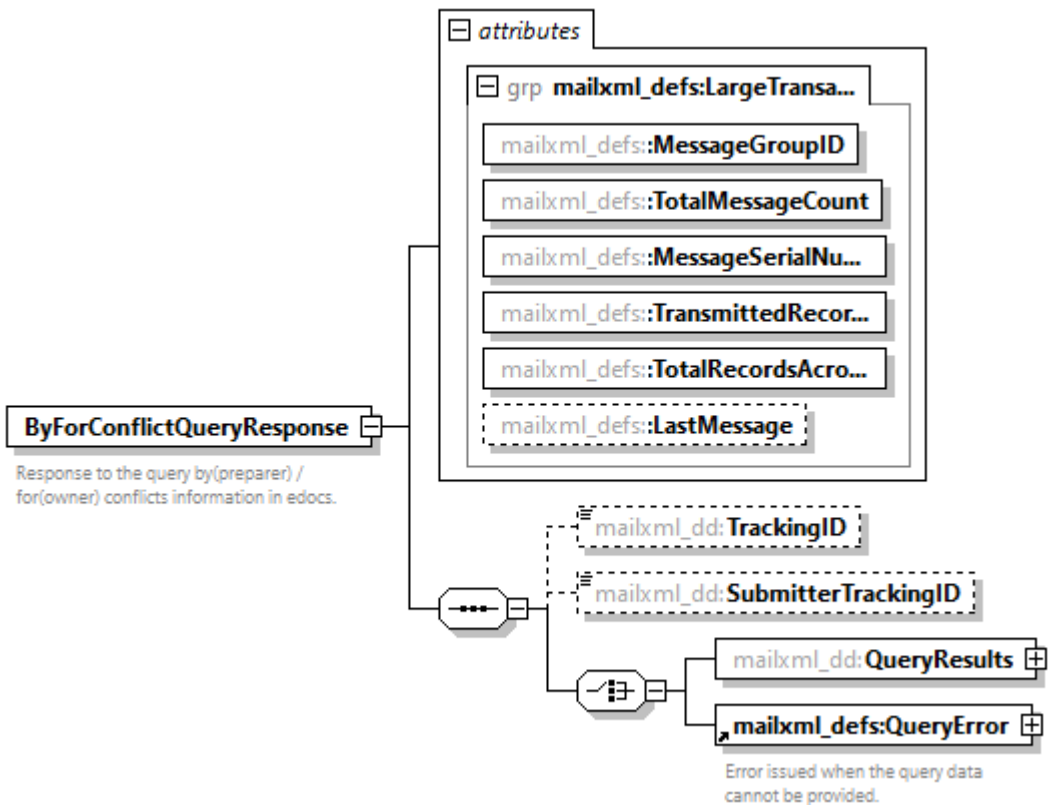
diagram	<p>The diagram shows the structure of the ByForConflictNotification element. It is a container element (rectangle with a small square on the right) that contains a sequence of three optional elements (dashed rectangles with a plus sign in the top right corner): mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, and mailxml_dd:PushMessageID. Following these is a choice element (rectangle with a vertical bar and a plus sign in the top right corner) that contains two groups of elements. The first group is a sequence of three elements: mailxml_dd:UserLicenseCode, mailxml_dd:MaildatJobID, and mailxml_dd:CustomerGroupID. The second group is a sequence of two elements: mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID. Below the choice element are three more elements: mailxml_dd:FSNonFSAAvailability..., mailxml_dd:NotificationDate, and mailxml_dd:AvailableRecordCou....</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Notification from USPS that a by / for conflict resolution is ready for pickup.</p>

element **ByForConflictQueryRequest**

diagram	<p>The diagram shows the structure of the ByForConflictQueryRequest element. It is a container element (rectangle with a small square on the right) that contains a sequence of three optional elements (dashed rectangles with a plus sign in the top right corner): mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, and mailxml_dd:SubmitterTrackingID. Following these is a choice element (rectangle with a vertical bar and a plus sign in the top right corner) that contains two groups of elements. The first group is a sequence of three elements: mailxml_dd:UserLicenseCode, mailxml_dd:MaildatJobID, and mailxml_dd:CustomerGroupID. The second group is a sequence of two elements: mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID. Below the choice element is one more element: mailxml_dd:retrieveDataBy.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Query request for by(preparer) / for(owner) conflicts information in edocs.</p>

element **ByForConflictQueryResponse**

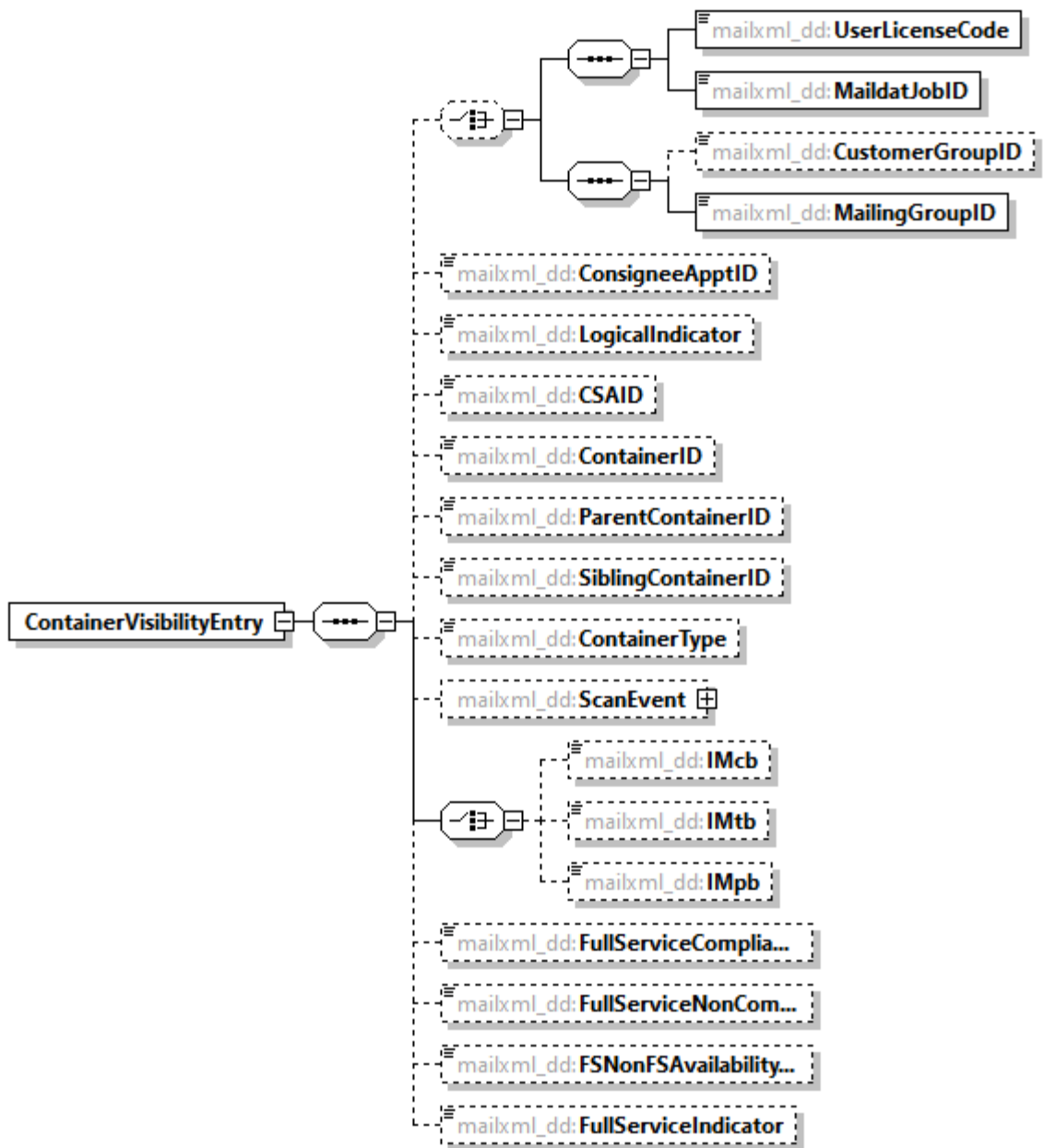
diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Response to the query by(preparer) / for(owner) conflicts information in edocs.

element **ContainerVisibilityEntry**

diagram



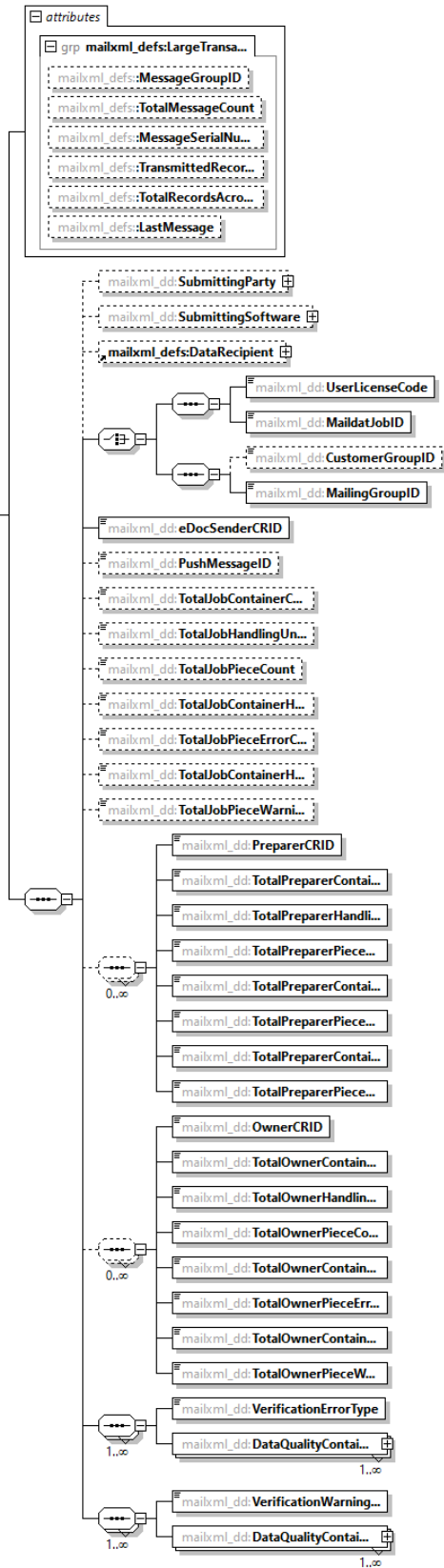
namespace

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

element **DataQualityVerificationReportDelivery**

diagram

DataQualityVerificationReport...
Delivery Message should be similar to FullServiceDataQualityVerificationQueryResponse. The Query should mimic the query for COC without the role, transtype and participant, do need to add the LargeDataTransactionDivider to Delivery and Response messages



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Delivery Message should be similar to FullServiceDatQualityVerificationQueryResponse, The Query should mimic the query for COC without the role, transtype and participant, do need to add the LargeDataTransactionDivider to Delivery and Response messages

element **DataQualityVerificationReportNotification**

diagram	<p>The diagram illustrates the structure of the DataQualityVerificationReportNotification element. It is a complex type containing several child elements and a choice of two groups. The root element is DataQualityVerificationReport... with the annotation: "Notification from USPS that a full service data quality verification report is ready for pickup." The children are:</p> <ul style="list-style-type: none">mailxml_dd:SubmittingParty (optional, indicated by a '+' in a circle)mailxml_dd:SubmittingSoftware (optional, indicated by a '+' in a circle)mailxml_dd:PushMessageID (optional, indicated by a dashed line)A choice of two groups:<ul style="list-style-type: none">Group 1: mailxml_dd:UserLicenseCode and mailxml_dd:MaildatJobID (both optional).Group 2: mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID (both optional).mailxml_dd:eDocSenderCRID (optional, indicated by a dashed line)mailxml_dd:VerificationErrorType (1..∞ occurrences)mailxml_dd:VerificationWarning... (1..∞ occurrences)mailxml_dd:FSNonFSAvailability...mailxml_dd:NotificationDatemailxml_dd:AvailableRecordCou...
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Notification from USPS that a full service data quality verification report is ready for pickup.

element **DataQualityVerificationReportQueryRequest**

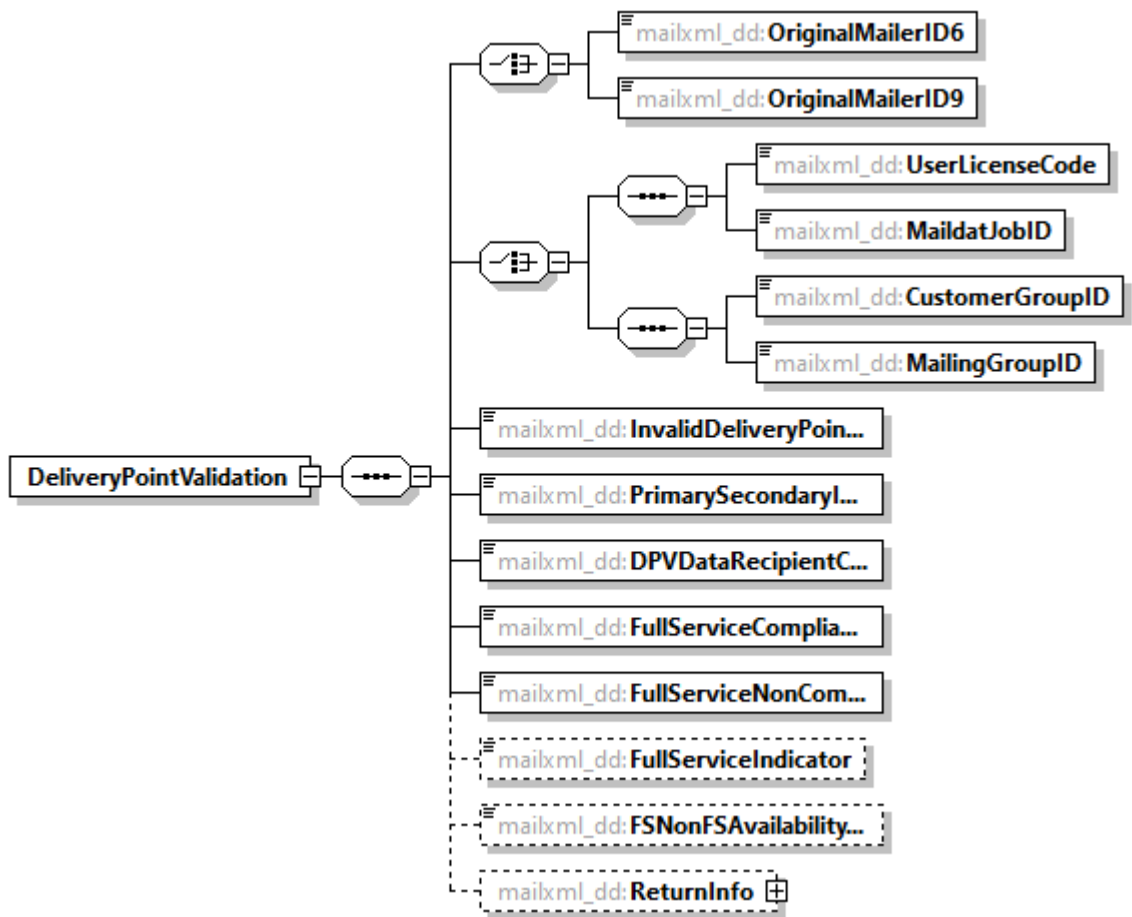
diagram	<pre> xsd:element name="DataQualityVerificationReportQueryRequest" type="DataQualityVerificationReportQueryRequestType"> <p>Query request for full service data quality reports.</p> <p> { (mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID) ((mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID) (mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID)) mailxml_dd:eDocSenderCRID mailxml_dd:VerificationErrorType mailxml_dd:VerificationWarning... mailxml_dd:retrieveDataBy } </p> </pre>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Query request for full service data quality request.</p>

element **DataQualityVerificationReportQueryResponse**

<p>diagram</p>	<p>DataQualityVerificationReport...</p> <p>Response to the Request for Full Service Data Quality Verification Reports</p> <p>attributes</p> <p>grp mailxml_defs:LargeTransa...</p> <ul style="list-style-type: none"> mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount mailxml_defs:MessageSerialNu... mailxml_defs:TransmittedRecor... mailxml_defs:TotalRecordsAcro... mailxml_defs>LastMessage <p>mailxml_dd:TrackingID</p> <p>mailxml_dd:SubmitterTrackingID</p> <p>mailxml_dd:QueryResults</p> <p>mailxml_defs:QueryError</p> <p>Error issued when the query data cannot be provided.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Response to the Request for Full Service Data Quality Verification Reports</p>

element **DeliveryPointValidation**

diagram

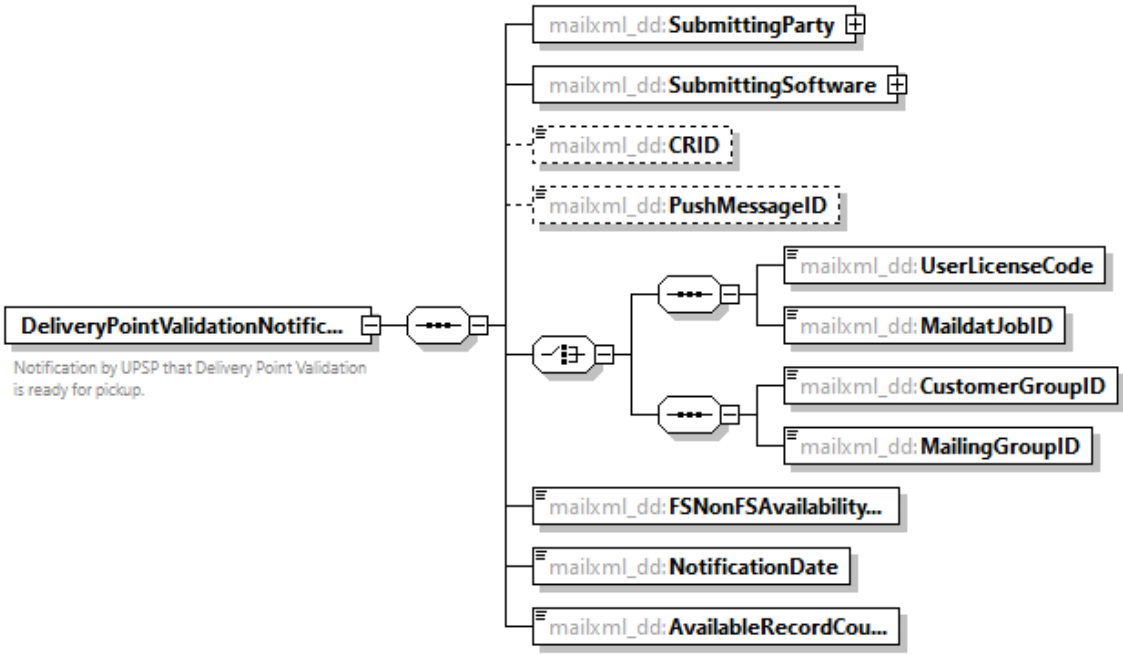


namespace http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

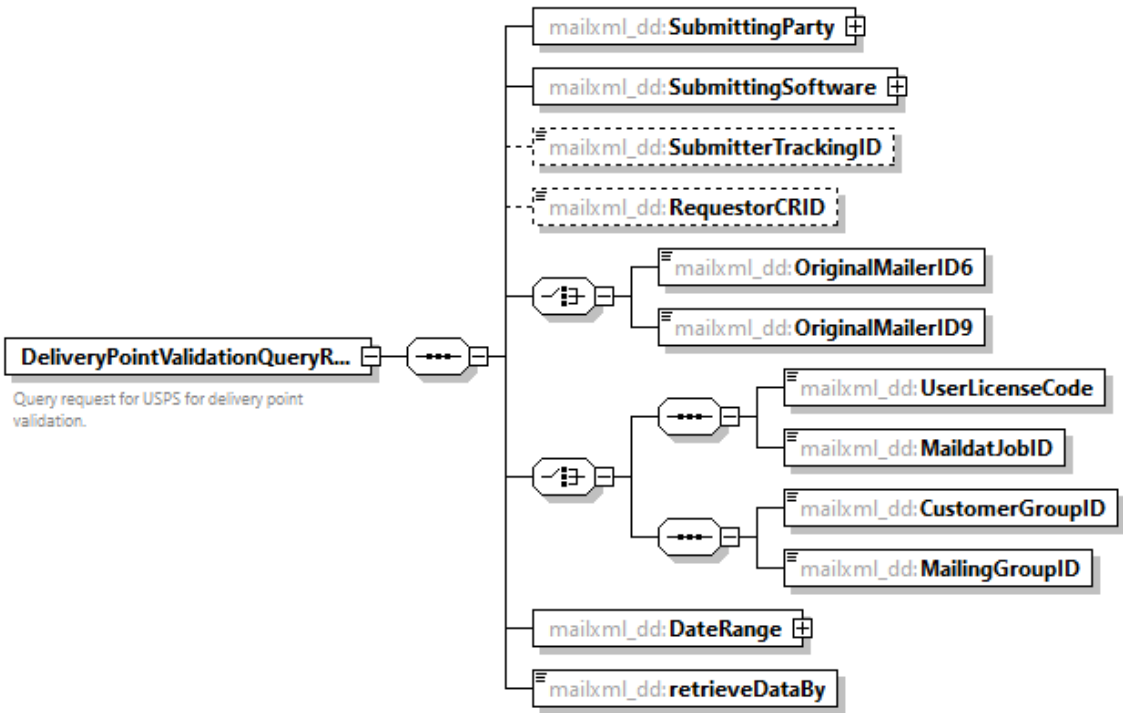
element **DeliveryPointValidationDelivery**

<p>diagram</p>	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Delivery of Delivery Point Validation by USPS.</p>

element **DeliveryPointValidationNotification**

diagram	 <p>The diagram shows the structure of the DeliveryPointValidationNotification element. It is a container element (rectangle with a small square on the left) containing a sequence of child elements. The children are: mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, mailxml_dd:CRID (dashed border), mailxml_dd:PushMessageID (dashed border), a choice element (octagon with a vertical line) containing two groups. The first group is a sequence of mailxml_dd:UserLicenseCode and mailxml_dd:MaildatJobID. The second group is a sequence of mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID. Below the choice are mailxml_dd:FSNonFSAAvailability..., mailxml_dd:NotificationDate, and mailxml_dd:AvailableRecordCou....</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Notification by UPSP that Delivery Point Validation is ready for pickup.</p>

element **DeliveryPointValidationQueryRequest**

diagram	 <p>The diagram shows the structure of the DeliveryPointValidationQueryRequest element. It is a container element (rectangle with a small square on the left) containing a sequence of child elements. The children are: mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, mailxml_dd:SubmitterTrackingID (dashed border), mailxml_dd:RequestorCRID (dashed border), a choice element (octagon with a vertical line) containing two groups. The first group is a sequence of mailxml_dd:OriginalMailerID6 and mailxml_dd:OriginalMailerID9. The second group is a choice element (octagon with a vertical line) containing two groups. The first group is a sequence of mailxml_dd:UserLicenseCode and mailxml_dd:MaildatJobID. The second group is a sequence of mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID. Below the choice are mailxml_dd:DateRange and mailxml_dd:retrieveDataBy.</p>
---------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

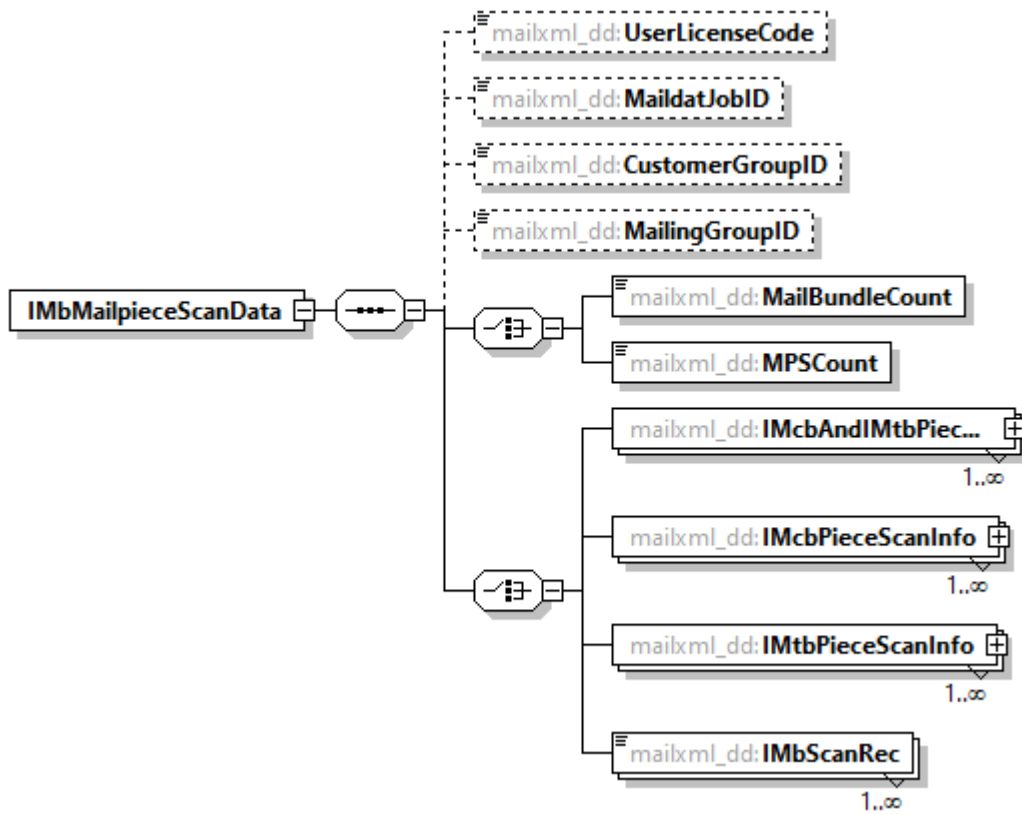
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Query request for USPS for delivery point validation.

element **DeliveryPointValidationQueryResponse**

diagram	<p>The diagram illustrates the structure of the DeliveryPointValidationQueryResponse element. It features a central box labeled DeliveryPointValidationQueryR... with the description "Response to the Query request for USPS for delivery point validation." This box is connected to a large container labeled attributes. Inside the attributes container, there is a group box labeled grp mailxml_defs:LargeTransa... which contains five elements: mailxml_defs:MessageGroupID, mailxml_defs:TotalMessageCount, mailxml_defs:MessageSerialNu..., mailxml_defs:TransmittedRecor..., and mailxml_defs:TotalRecordsAcro.... Below the group box, there is a dashed box labeled mailxml_defs:LastMessage. To the right of the attributes container, there is a sequence of elements: a dashed box labeled mailxml_dd:TrackingID, a dashed box labeled mailxml_dd:SubmitterTrackingID, a box labeled mailxml_dd:QueryResults, and a box labeled mailxml_defs:QueryError with the description "Error issued when the query data cannot be provided." The elements are connected by lines indicating their sequence and optional nature (dashed lines).</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Response to the Query request for USPS for delivery point validation.

element **IMbMailpieceScanData**

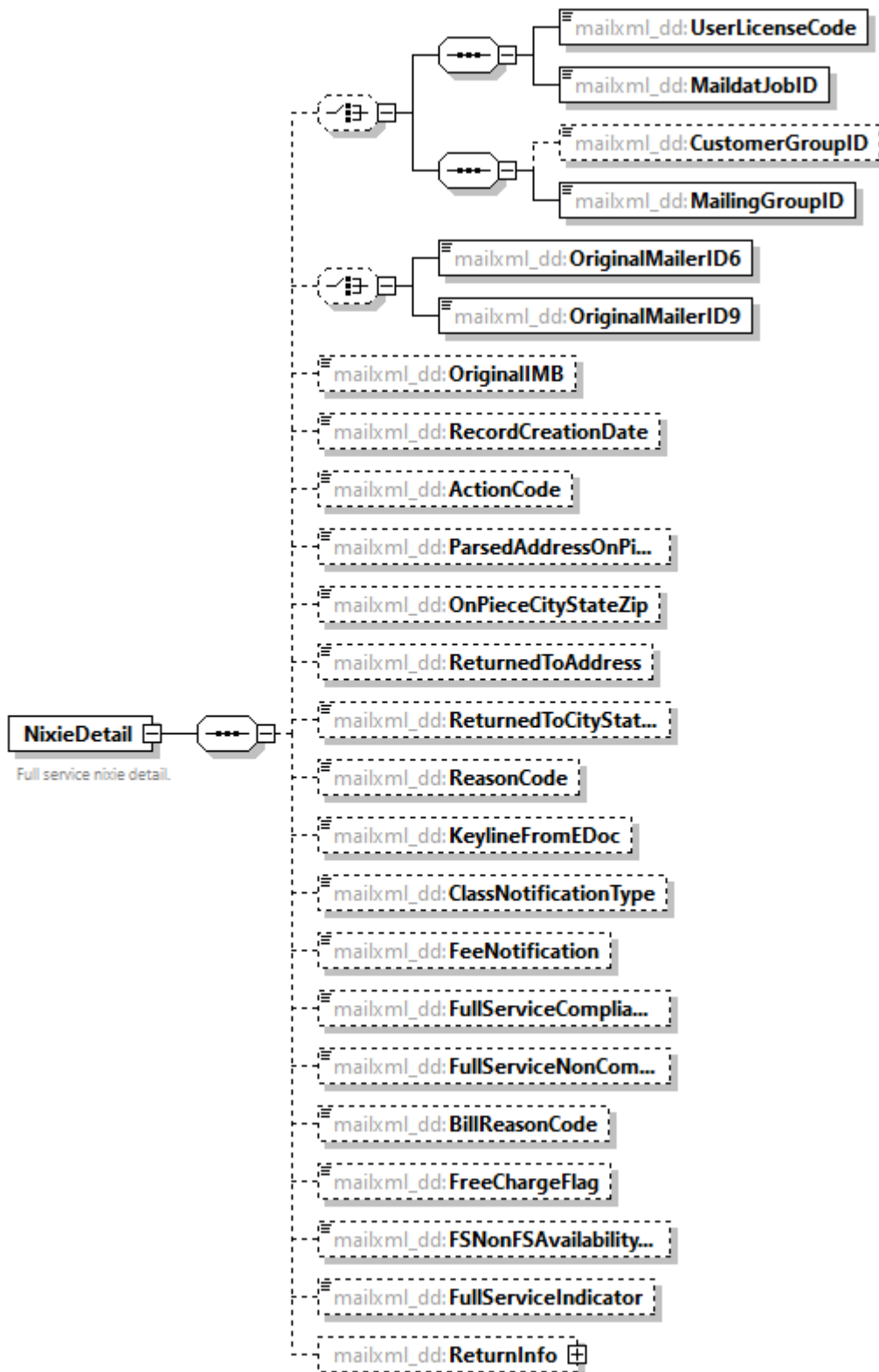
diagram



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

element **NixieDetail**

diagram



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

annotation	documentation Full service nixie detail.
------------	---------------------------------------------

element **NixieDetailDelivery**

<div> <div>diagram</div> </div>	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Delivery from USPS of full service nixie detail.

element **NixieDetailNotification**

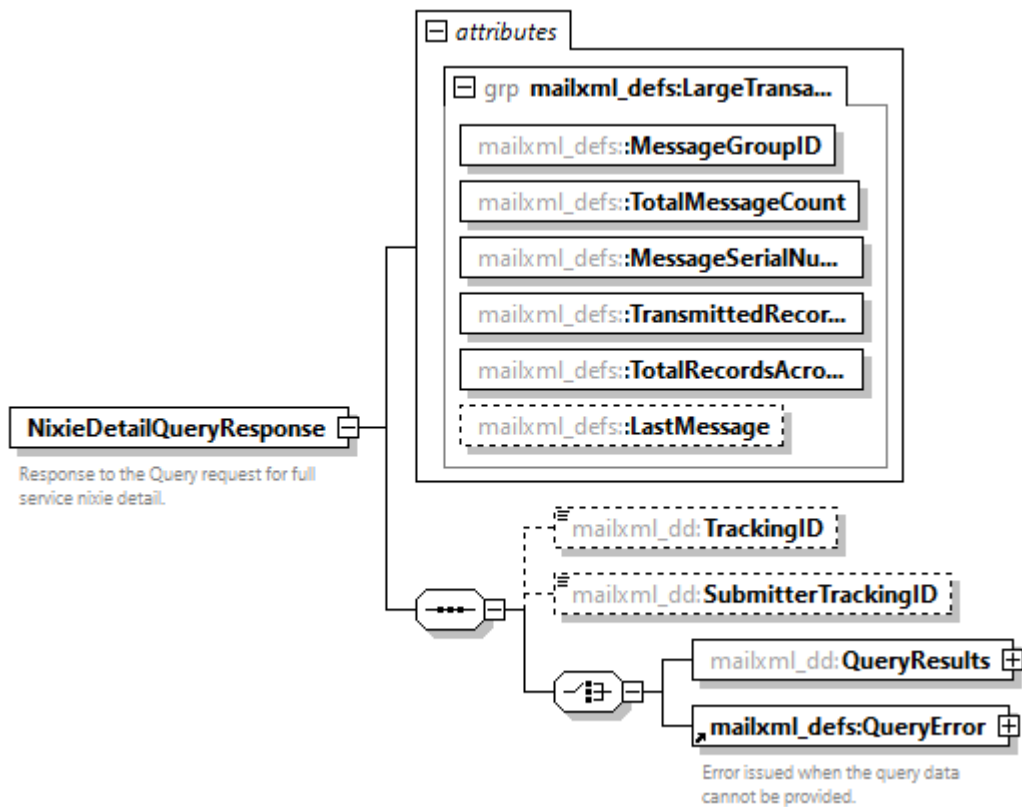
diagram	<p>NixieDetailNotification Notification by USPS that full service nixie detail is ready for pickup.</p> <p>mailxml_dd:SubmittingParty (optional)</p> <p>mailxml_dd:SubmittingSoftware (optional)</p> <p>mailxml_dd:CRID (optional)</p> <p>mailxml_dd:PushMessageID (optional)</p> <p>mailxml_dd:UserLicenseCode (optional)</p> <p>mailxml_dd:MaildatJobID (optional)</p> <p>mailxml_dd:CustomerGroupID (optional)</p> <p>mailxml_dd:MailingGroupID (optional)</p> <p>mailxml_dd:FSNonFSAvailability... (optional)</p> <p>mailxml_dd:NotificationDate (optional)</p> <p>mailxml_dd:AvailableRecordCou... (optional)</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Notification by USPS that full service nixie detail is ready for pickup.

element **NixieDetailQueryRequest**

diagram	<p>NixieDetailQueryRequest Query request for full service nixie detail.</p> <p>mailxml_dd:SubmittingParty (optional)</p> <p>mailxml_dd:SubmittingSoftware (optional)</p> <p>mailxml_dd:SubmitterTrackingID (optional)</p> <p>mailxml_dd:RequestorCRID (optional)</p> <p>mailxml_dd:OriginalMailerID6 (optional)</p> <p>mailxml_dd:OriginalMailerID9 (optional)</p> <p>mailxml_dd:PieceRequest (optional, 1..∞)</p> <p>mailxml_dd:retrieveDataBy (optional)</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Query request for full service nixie detail.

element **NixieDetailQueryResponse**

diagram



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

annotation
documentation
Response to the Query request for full service nixie detail.

element **NonComplianceDataWithPostageOwedQueryRequest**

diagram	<p>NonComplianceDataWithPosta... Query request for full service Non Compliance Data reports.</p> <ul style="list-style-type: none"> mailxml_dd:SubmittingParty (optional) mailxml_dd:SubmittingSoftware (optional) mailxml_dd:SubmitterTrackingID (optional) Complex Choice: <ul style="list-style-type: none"> Group 1: <ul style="list-style-type: none"> mailxml_dd:UserLicenseCode (optional) mailxml_dd:MaildatJobID (optional) Group 2: <ul style="list-style-type: none"> mailxml_dd:CustomerGroupID (optional) mailxml_dd:MailingGroupID (optional) mailxml_dd:eDocSenderCRID (optional) mailxml_dd:StartDate (optional) mailxml_dd:EndDate (optional) mailxml_dd:retrieveDataBy (optional) mailxml_dd:VerificationErrorType (optional, 1..∞)
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Query request for full service Non Compliance Data reports.

element **NonComplianceDataWithPostageOwedReportDelivery**

diagram	<p>NonComplianceDataWithPosta... Delivery of by / for conflict information from USPS.</p> <p>attributes</p> <p>grp mailxml_defs:LargeTransa...</p> <ul style="list-style-type: none"> mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount mailxml_defs:MessageSerialNu... mailxml_defs:TransmittedRecor... mailxml_defs:TotalRecordsAcro... mailxml_defs:LastMessage <ul style="list-style-type: none"> mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:PushMessageID mailxml_dd:NonComplianceDa... (1..∞) mailxml_dd:FSNonFSAAvailability... mailxml_dd:FullServiceIndicator
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Delivery of by / for conflict information from USPS.</p>

element **NonComplianceDataWithPostageOwedReportNotification**

<p>diagram</p>	<p>The diagram illustrates the structure of the NonComplianceDataWithPostageOwedReportNotification element. It is a complex type containing several other elements. The root element is NonComplianceDataWithPostageOwedReportNotification, which has a description: "Notification from USPS that a full service non compliance data report is ready for pickup." This element contains a sequence of elements: mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, mailxml_dd:PushMessageID, mailxml_dd:UserLicenseCode, mailxml_dd:MaildatJobID, mailxml_dd:CustomerGroupID, mailxml_dd:MailingGroupID, mailxml_dd:eDocSenderCRID, mailxml_dd:FSNonFSAvailability..., mailxml_dd:NotificationDate, and mailxml_dd:AvailableRecordCou....</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Notification from USPS that a full service non compliance data report is ready for pickup.</p>

element **NonComplianceDataWithPostageOwedReportQueryResponse**

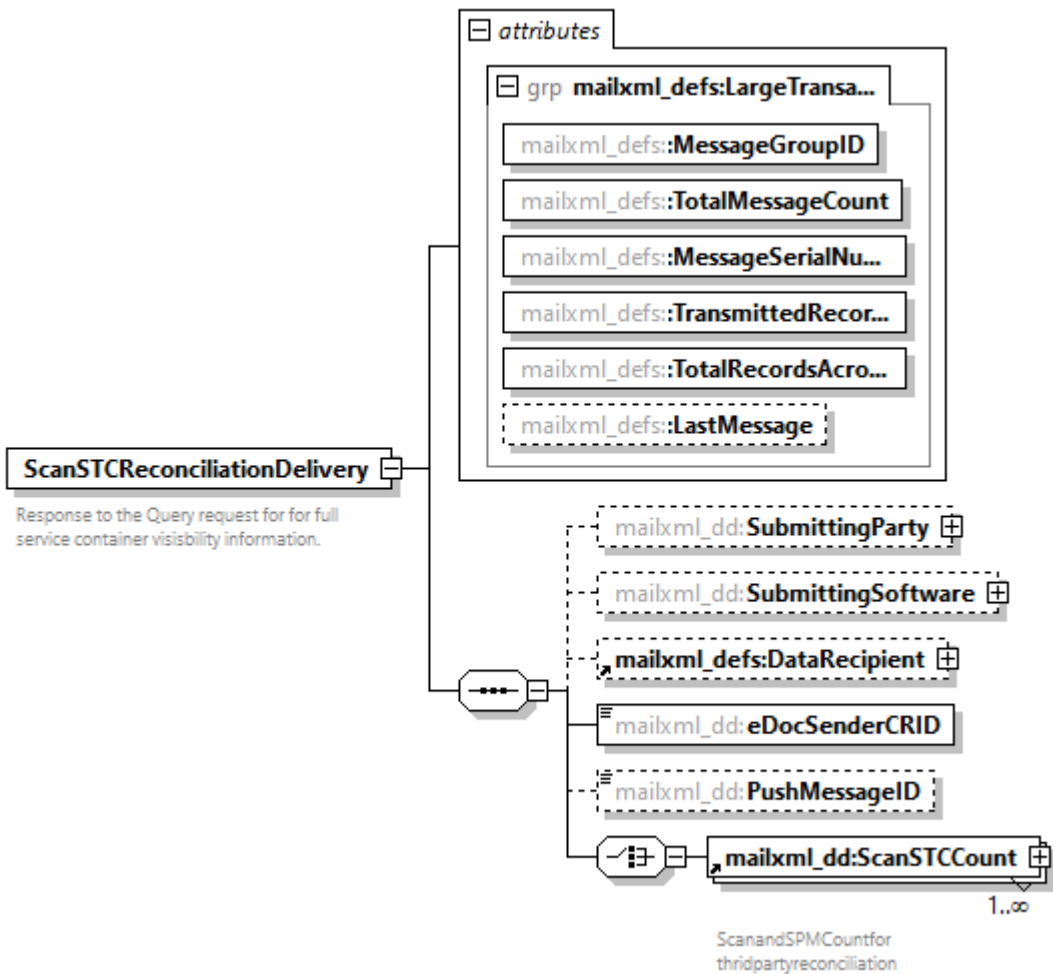
diagram	<p>The diagram illustrates the structure of the NonComplianceDataWithPostageOwedReportQueryResponse element. It is a container for a response to a query request. The structure is as follows:</p> <ul style="list-style-type: none">NonComplianceDataWithPostageOwedReportQueryResponse (Root Element)<ul style="list-style-type: none">Attributes (grp mailxml_defs:LargeTransa...)<ul style="list-style-type: none">mailxml_defs:MessageGroupIDmailxml_defs:TotalMessageCountmailxml_defs:MessageSerialNu...mailxml_defs:TransmittedRecor...mailxml_defs:TotalRecordsAcro...mailxml_defs>LastMessage (dashed border)Content (Sequence)<ul style="list-style-type: none">mailxml_dd:TrackingID (dashed border)mailxml_dd:SubmitterTrackingID (dashed border)mailxml_dd:QueryResults (plus icon)mailxml_defs:QueryError (plus icon)<ul style="list-style-type: none">Error issued when the query data cannot be provided.
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Response to the Request for Full Service Non Compliance Data With Postage Owed Report Query Request</p>

element **ScanSTCCount**

<p>diagram</p>	
<p>namespace</p>	<p>http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd</p>
<p>annotation</p>	<p>documentation ScanandSPMCountfor thridpartyreconciliation</p>

element **ScanSTCReconciliationDelivery**

diagram



namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Response to the Query request for for full service container visisbility information.

element **ScanSTCReconciliationNotification**

diagram	<p>The diagram shows the structure of the ScanSTCReconciliationNotification element. It is a container element (rectangle with a small square on the left) containing a sequence of child elements (ovals with three dots). The children are: <ul style="list-style-type: none"> mailxml_dd:SubmittingParty (dashed border) mailxml_dd:SubmittingSoftware (dashed border) mailxml_dd:PushMessageID (dashed border) A choice element (rectangle with a circle and a plus sign) containing two branches: <ul style="list-style-type: none"> mailxml_dd:UserLicenseCode (solid border) mailxml_dd:MaildatJobID (solid border) A choice element (rectangle with a circle and a plus sign) containing two branches: <ul style="list-style-type: none"> mailxml_dd:CustomerGroupID (dashed border) mailxml_dd:MailingGroupID (solid border) mailxml_dd:FSNonFSAAvailability... (solid border) mailxml_dd:NonFullServiceAvail... (solid border) A choice element (rectangle with a circle and a plus sign) containing two branches: <ul style="list-style-type: none"> mailxml_dd:AvailableRecordCou... (solid border) mailxml_dd:CountType (solid border) mailxml_dd:NotificationDate (solid border) </p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Notification sent by USPS that full service container visibility information is ready for pickup.

element **ScanSTCReconciliationQueryRequest**

diagram	<p>The diagram shows the structure of the ScanSTCReconciliationQueryRequest element. It is a container element (rectangle with a small square on the left) containing a sequence of child elements (ovals with three dots). The children are: <ul style="list-style-type: none"> mailxml_dd:SubmittingParty (dashed border) mailxml_dd:SubmittingSoftware (dashed border) mailxml_dd:SubmitterTrackingID (dashed border) A choice element (rectangle with a circle and a plus sign) containing two branches: <ul style="list-style-type: none"> mailxml_dd:UserLicenseCode (solid border) mailxml_dd:MaildatJobID (solid border) A choice element (rectangle with a circle and a plus sign) containing two branches: <ul style="list-style-type: none"> mailxml_dd:CustomerGroupID (dashed border) mailxml_dd:MailingGroupID (solid border) mailxml_dd:ConsigneeApptID (dashed border) mailxml_dd:retrieveDataBy (dashed border) </p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	documentation Query request for for full service container visibility information.

element **ScanSTCReconciliationQueryResponse**

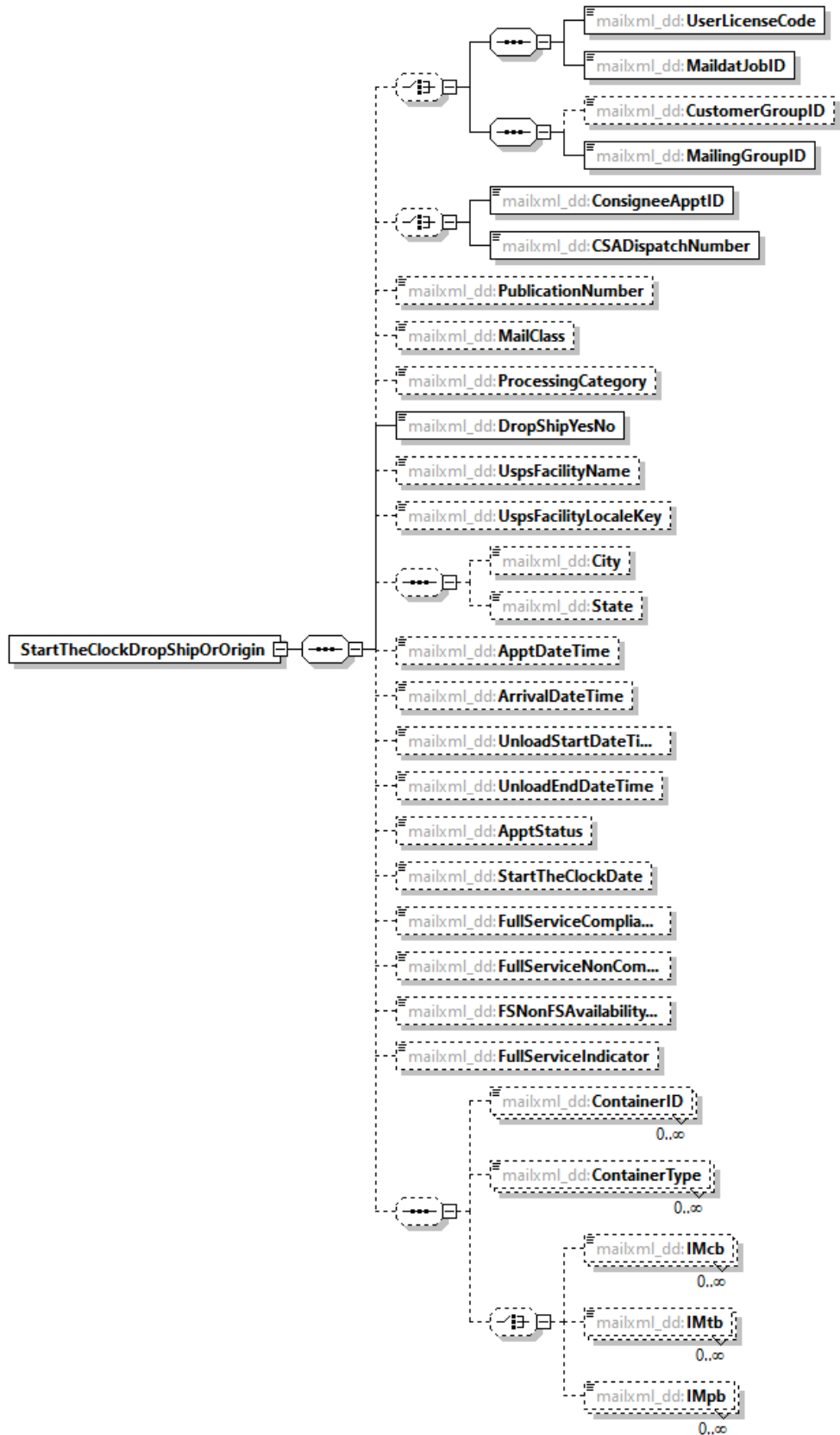
diagram	<p>The diagram illustrates the structure of the ScanSTCReconciliationQueryResponse element. It is a container element with a description: "Response to the Query request for for full service container visibility information." The structure is as follows:</p> <ul style="list-style-type: none"> attributes (group): <ul style="list-style-type: none"> grp mailxml_defs:LargeTransa... (group): <ul style="list-style-type: none"> mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount mailxml_defs:MessageSerialNu... mailxml_defs:TransmittedRecor... mailxml_defs:TotalRecordsAcro... mailxml_defs>LastMessage (dashed box) mailxml_dd:TrackingID (dashed box) mailxml_dd:SubmitterTrackingID (dashed box) mailxml_dd:QueryResults mailxml_defs:QueryError (dashed box): <ul style="list-style-type: none"> Error issued when the query data cannot be provided.
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
annotation	<p>documentation</p> <p>Response to the Query request for for full service container visibility information.</p>

element **StartTheClockBEMUBlock**

diagram	<p>The diagram illustrates the structure of the StartTheClockBEMUBlock element. It is a container element with a description: "StartTheClockBEMUBlock". The structure is as follows:</p> <ul style="list-style-type: none"> mailxml_dd:StartTheClockBEMU (dashed box): <ul style="list-style-type: none"> 1..∞
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

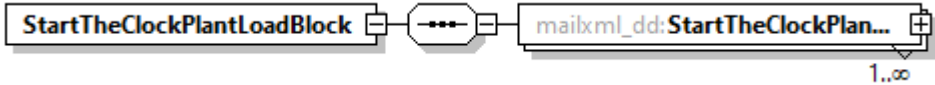
element **StartTheClockDropShipOrOrigin**

diagram




namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd
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element **StartTheClockPlantLoadBlock**

diagram	 <p>The diagram shows the StartTheClockPlantLoadBlock element connected to a sequence container (rectangle with three dots) which is then connected to the mailxml_dd:StartTheClockPlan... element. A cardinality of 1..∞ is indicated at the end of the sequence.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **addressCorrectionAddressType**

diagram	 <p>The diagram illustrates the addressCorrectionAddressType complexType. It features a central container (rectangle with three dots) connected to a dashed-line group containing the following elements: mailxml_dd:AddressType, mailxml_dd:UrbanizationName, mailxml_dd:PrimaryNumber, mailxml_dd:PreDirectional, mailxml_dd:StreetName, mailxml_dd:StreetSuffix, mailxml_dd:PostDirectional, mailxml_dd:UnitDesignator, mailxml_dd:SecondaryNumber, mailxml_dd:City, and mailxml_dd:State. Below this group, an optional container (oval with a vertical line) is connected to a sequence container (rectangle with three dots). This sequence container is further connected to three elements: mailxml_dd:ZipCode, mailxml_dd:ZipCodePlus4, and mailxml_dd:DeliveryPoint11Dig....</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **byForConflictType**

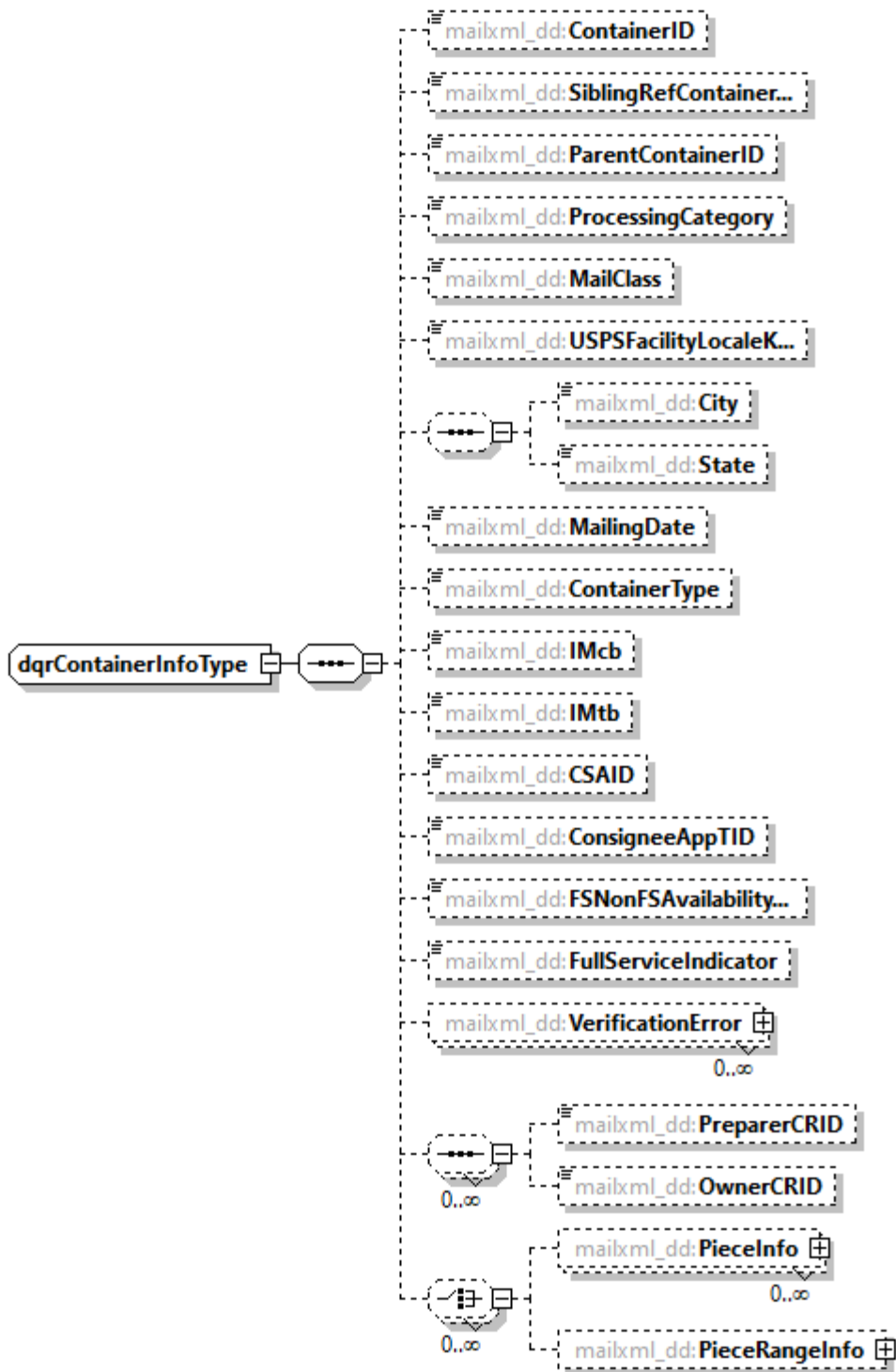
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **clockStartedType**

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

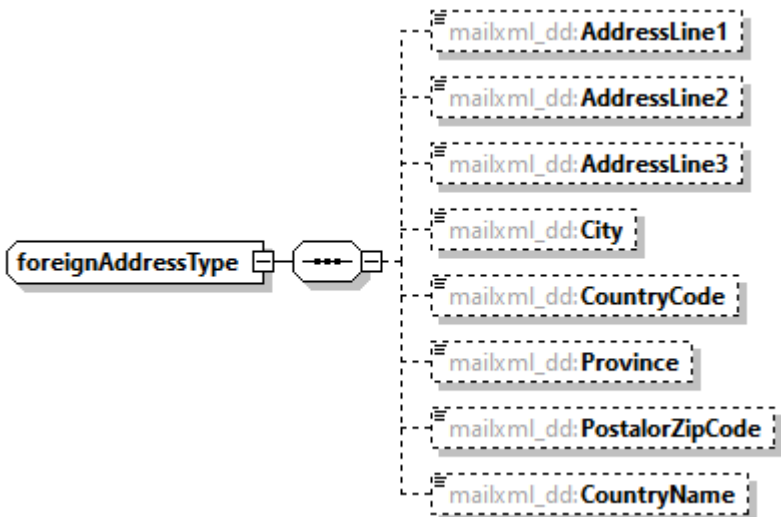
complexType **dqrContainerInfoType**

diagram



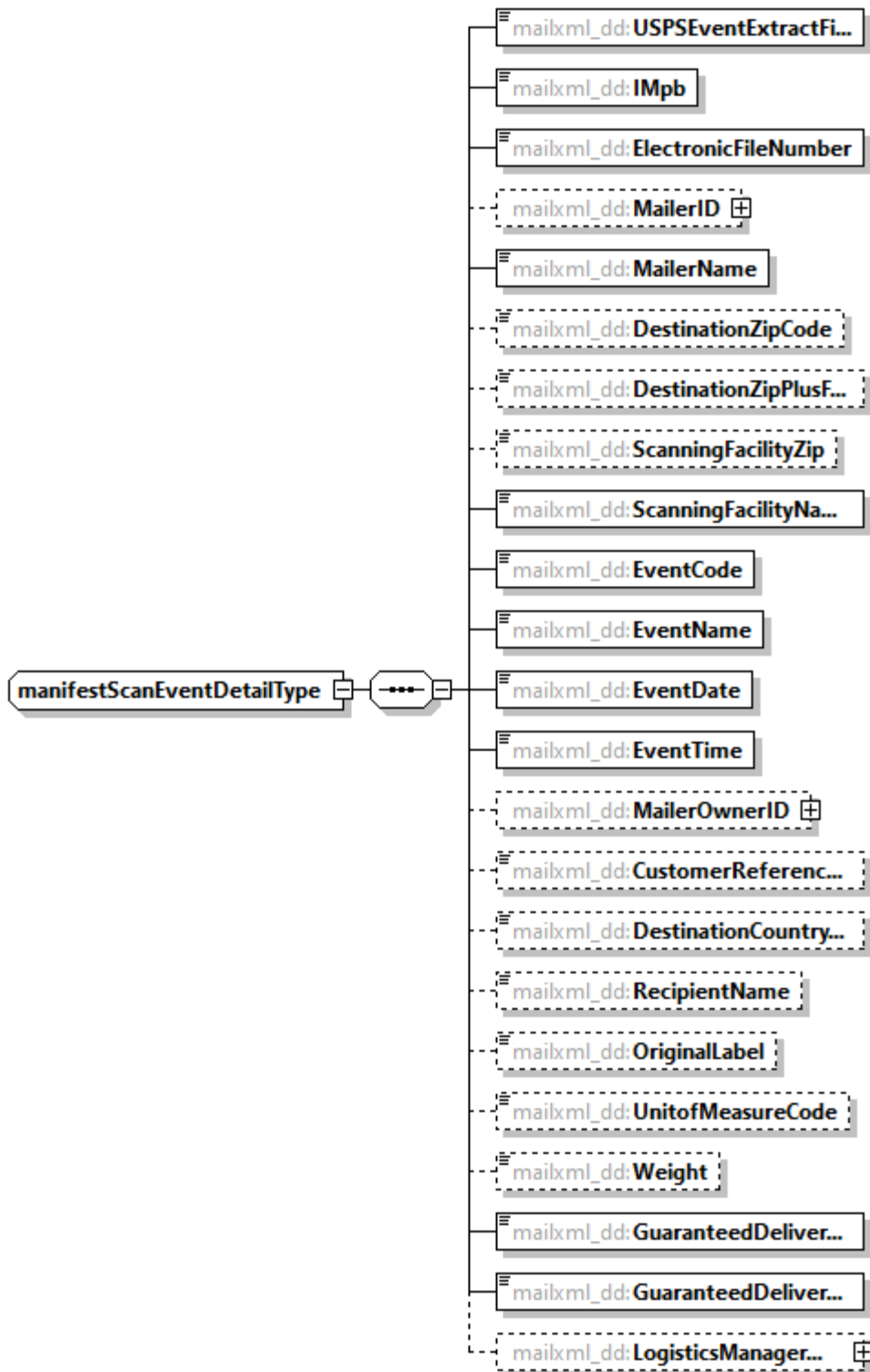
namespace http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **foreignAddressType**

diagram	 <p>The diagram shows a complex type named foreignAddressType. It is composed of several elements: AddressLine1, AddressLine2, AddressLine3, City, CountryCode, Province, PostalorZipCode, and CountryName. All elements are of type mailxml_dd. The elements are connected by a sequence relationship, indicated by a dashed line with a solid line at the end. The foreignAddressType element is shown as a rectangle with a small square on the right side, and the elements are shown as rectangles with a small square on the left side.</p>
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **manifestScanEventDetailType**

diagram



namespace

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

complexType **manifestScanNotificationDataType**

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

complexType **manifestScanQueryType**

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

complexType **MPSNotificationDataType**

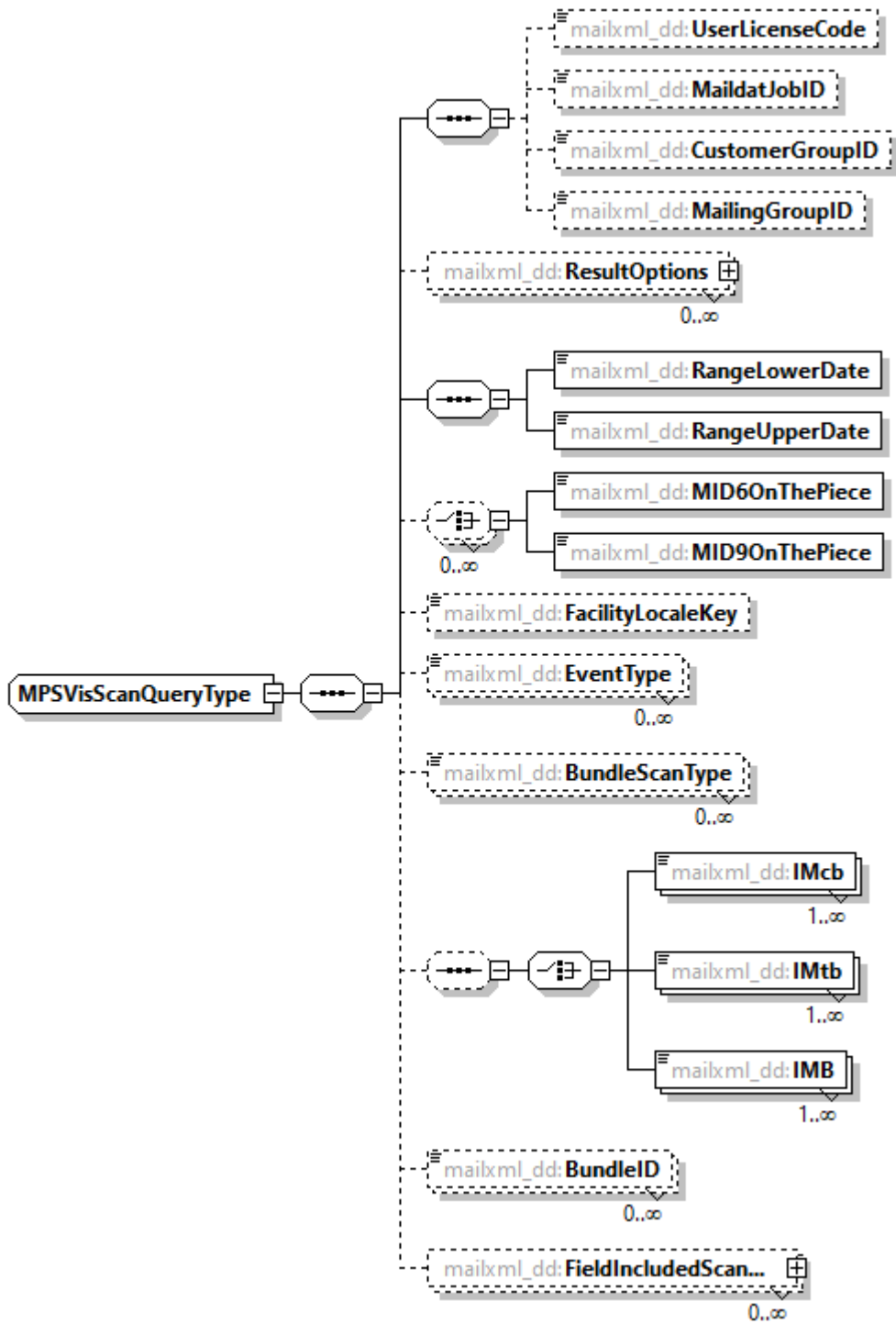
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **MPSRResponseBlockType**

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

complexType **MPSVisScanQueryType**

diagram



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

complexType **newAddressCorrectionAddressType**

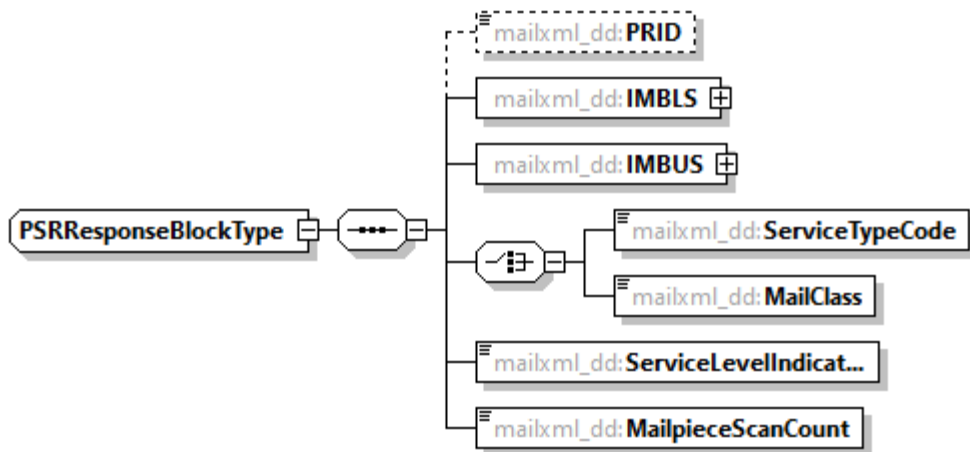
diagram	
namespace	http://delivery-tech.org/Specs/mailxml27.0/mailxml_dd

complexType **nonComplianceDataWithPostageOwedReportType**

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

complexType **PSRResponseBlockType**

diagram



namespace

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

complexType **unManifestedScanEventDetailType**

diagram



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

complexType **verificationErrorType**

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

simpleType **addressCorrectionMoveType**

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

simpleType **addressTypeType**

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

simpleType **containerScanStateType**

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

simpleType **deliverabilityCodeType**

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

simpleType **eDocTypeType**

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

simpleType **primarySecondaryIndicatorType**

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

simpleType **verificationErrorTypeType**

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

simpleType **verificationWarningTypeType**

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