

Mail.XML Version 24.1

System Messages Specification

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Abstract

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

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About Mail.XML™

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

What's New in Mail.XML Version 24.1?

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

Changes supported by Mail.XML 24.1 include:

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

About Mail.XML Schema Modularization

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

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

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

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

Mail.XML Module Versioning Rules

The following versioning rules will be followed:

The Mail.XML wrapper schema² will always be given the next higher version number (or Errata designation) when any update is made to base, defs or any module. The name of the .xsd file will indicate the new version and the new version number will be used in the namespace and target declarations: xmlns:mailxml=<http://delivery-tech.org/Specs/mailxml24.1/mailxml> targetNamespace=<http://delivery-tech.org/Specs/mailxml24.1/mailxml>

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

For example:

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

Mail.XML 24.1 XSD Modules:

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

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

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

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

The Mail.XML™ 24 Messaging Documentation Set

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

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

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1 Index

schema location: **mailxml_dd_24.1.xsd**
attributeFormDefault: **qualified**
elementFormDefault: **qualified**
targetNamespace: **http://delivery-tech.org/Specs/mailxml24.1/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

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
verificationErrorType
verificationWarningTypeType

NonComplianceDataWithPostageOwedQueryRequest

NonComplianceDataWithPostageOwedReportDelivery

NonComplianceDataWithPostageOwedReportNotification

NonComplianceDataWithPostageOwedReportQueryResponse

ScanSTCCount

ScanSTCReconciliationDelivery

ScanSTCReconciliationNotification

ScanSTCReconciliationQueryRequest

ScanSTCReconciliationQueryResponse

StartTheClockBEMUBlock

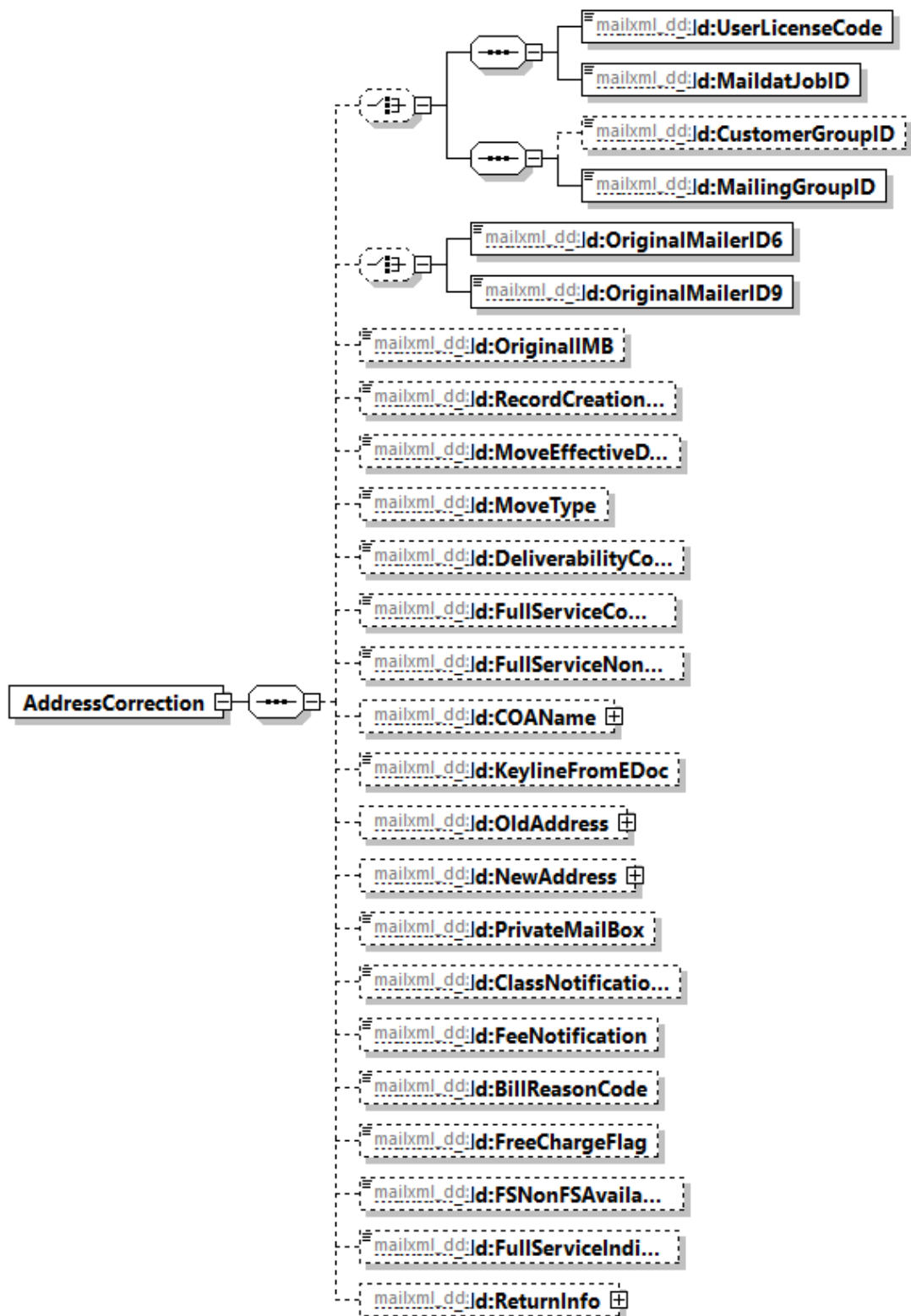
StartTheClockDropShipOrOrigin

StartTheClockPlantLoadBlock

2 Elements

element **AddressCorrection**

diagram



namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:OriginalMailerID6 mailxml_dd:OriginalMailerID9 mailxml_dd:OriginalIMB mailxml_dd:RecordCreationDate mailxml_dd:MoveEffectiveDate mailxml_dd:MoveType mailxml_dd:DeliverabilityCodeType mailxml_dd:FullServiceComplianceIndicator mailxml_dd:FullServiceNonComplianceReasonCode mailxml_dd:COAName mailxml_dd:KeylineFromEDoc mailxml_dd:OldAddress mailxml_dd:NewAddress mailxml_dd:PrivateMailBox mailxml_dd:ClassNotificationType mailxml_dd:FeeNotification mailxml_dd:BillReasonCode mailxml_dd:FreeChargeFlag mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:FullServiceIndicator mailxml_dd:ReturnInfo
used by	elements AddressCorrectionDelivery AddressCorrectionQueryResponse/QueryResults

element **AddressCorrectionDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:PushMessageID mailxml_dd:AddressCorrection					
attributes	Name mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount	Type mailxml_base:s20 xs:positiveInteger	Use optional optional	Default 	Fixed 	Annotation

	mailxml_defs:MessageSerialNumber xs:positiveInteger optional mailxml_defs:TransmittedRecordCount xs:positiveInteger optional mailxml_defs:TotalRecordsAcrossMessages xs:positiveInteger optional mailxml_defs:LastMessage mailxml_base:yesNo optional No
annotation	documentation Delivery of address correction delivery data from USPS.

element
AddressCorrectionNotification

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:CRID mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification from UPSP that address correction data is ready to pick up.

element **AddressCorrectionQueryRequest**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID mailxml_dd:OwningParty mailxml_dd:PieceRequest mailxml_dd:retrieveDataBy
annotation	documentation Query request for full service address correction data.

element **AddressCorrectionQueryResponse**

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

children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	<div>Name</div> <div>mailxml_defs:MessageGroupID</div> <div>mailxml_defs:TotalMessageCount</div> <div>mailxml_defs:MessageSerialNumber</div> <div>mailxml_defs:TransmittedRecordCount</div> <div>mailxml_defs:TotalRecordsAcrossMessages</div> <div>mailxml_defs>LastMessage</div>	<div>Type</div> <div>mailxml_base:s20</div> <div>xs:positiveInteger</div> <div>xs:positiveInteger</div> <div>xs:positiveInteger</div> <div>xs:positiveInteger</div> <div>mailxml_base:yesNo</div>	<div>Use</div> <div>required</div> <div>required</div> <div>required</div> <div>required</div> <div>optional</div>	<div>Default</div> <div></div> <div></div> <div></div> <div></div> <div>No</div>	<div>Fixed</div> <div></div> <div></div> <div></div> <div></div> <div></div>	<div>Annotation</div> <div></div> <div></div> <div></div> <div></div> <div></div>
annotation	documentation Response to the query request for full service address correction data.					

element **ByForConflictDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:PushMessageID mailxml_dd:ByForConflict					
attributes	<div>Name</div> <div>mailxml_defs:MessageGroupID</div> <div>mailxml_defs:TotalMessageCount</div> <div>mailxml_defs:MessageSerialNumber</div> <div>mailxml_defs:TransmittedRecordCount</div>	<div>Type</div> <div>mailxml_base:s20</div> <div>xs:positiveInteger</div> <div>xs:positiveInteger</div> <div>xs:positiveInteger</div>	<div>Use</div> <div>optional</div> <div>optional</div> <div>optional</div>	<div>Default</div> <div></div> <div></div> <div></div>	<div>Fixed</div> <div></div> <div></div> <div></div>	<div>Annotation</div> <div></div> <div></div> <div></div>

	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	optional	
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No
annotation	documentation Delivery of by / for conflict information from USPS.			

element **ByForConflictNotification**

diagram	<p>The diagram illustrates the structure of the ByForConflictNotification element. It is a sequence of the following elements:</p> <ul style="list-style-type: none">mailxml_dd:d:SubmittingParty (optional)mailxml_dd:d:SubmittingSoftware (optional)mailxml_dd:d:PushMessageID (optional)A choice of two groups, each containing:<ul style="list-style-type: none">mailxml_dd:d:UserLicenseCode (optional)mailxml_dd:d:MaildatJobID (optional)mailxml_dd:d:CustomerGroupID (optional)mailxml_dd:d:MailingGroupID (optional)mailxml_dd:d:FSNonFSAAvailabilityDate (optional)mailxml_dd:d:NotificationDate (optional)mailxml_dd:d:AvailableRecordCount (optional)
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification from USPS that a by / for conflict resolution is ready for pickup.

element **ByForConflictQueryRequest**

diagram	<p>The diagram shows the structure of the ByForConflictQueryRequest element. It is a container element with a title bar and a description: "Query request for by(preparer) / for(owner) conflicts information in edocs." The element contains several child elements: <ul style="list-style-type: none"> mailxml_dd:Id:SubmittingParty (dashed border) mailxml_dd:Id:SubmittingSoft... (dashed border) mailxml_dd:Id:SubmitterTracki... (dashed border) mailxml_dd:Id:retrieveDataBy (solid border) A complex structure of nested elements: <ul style="list-style-type: none"> mailxml_dd:Id:UserLicenseCode (solid border) mailxml_dd:Id:MaildatJobID (solid border) mailxml_dd:Id:CustomerGroupID (dashed border) mailxml_dd:Id:MailingGroupID (solid border) </p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:retrieveDataBy
annotation	documentation Query request for by(preparer) / for(owner) conflicts information in edocs.

element **ByForConflictQueryResponse**

diagram	<p>The diagram shows the structure of the ByForConflictQueryResponse element. It is a container element with a title bar and a description: "Response to the query by(preparer) / for(owner) conflicts information in edocs." The element contains several child elements: <ul style="list-style-type: none"> attributes (dashed border) grp mailxml_defs:LargeTra... (dashed border) containing: <ul style="list-style-type: none"> mailxml_defs:fs:MessageGrou... (dashed border) mailxml_defs:fs:TotalMessage... (dashed border) mailxml_defs:fs:MessageSerial... (dashed border) mailxml_defs:fs:TransmittedRe... (dashed border) mailxml_defs:fs:TotalRecordsA... (dashed border) mailxml_defs:fs:LastMessage (dashed border) mailxml_dd:Id:TrackingID (dashed border) mailxml_dd:Id:SubmitterTracki... (dashed border) mailxml_dd:Id:QueryResu... (solid border) mailxml_defs:QueryErr... (solid border) <p>Error issued when the query data cannot be provided.</p> </p>
---------	---

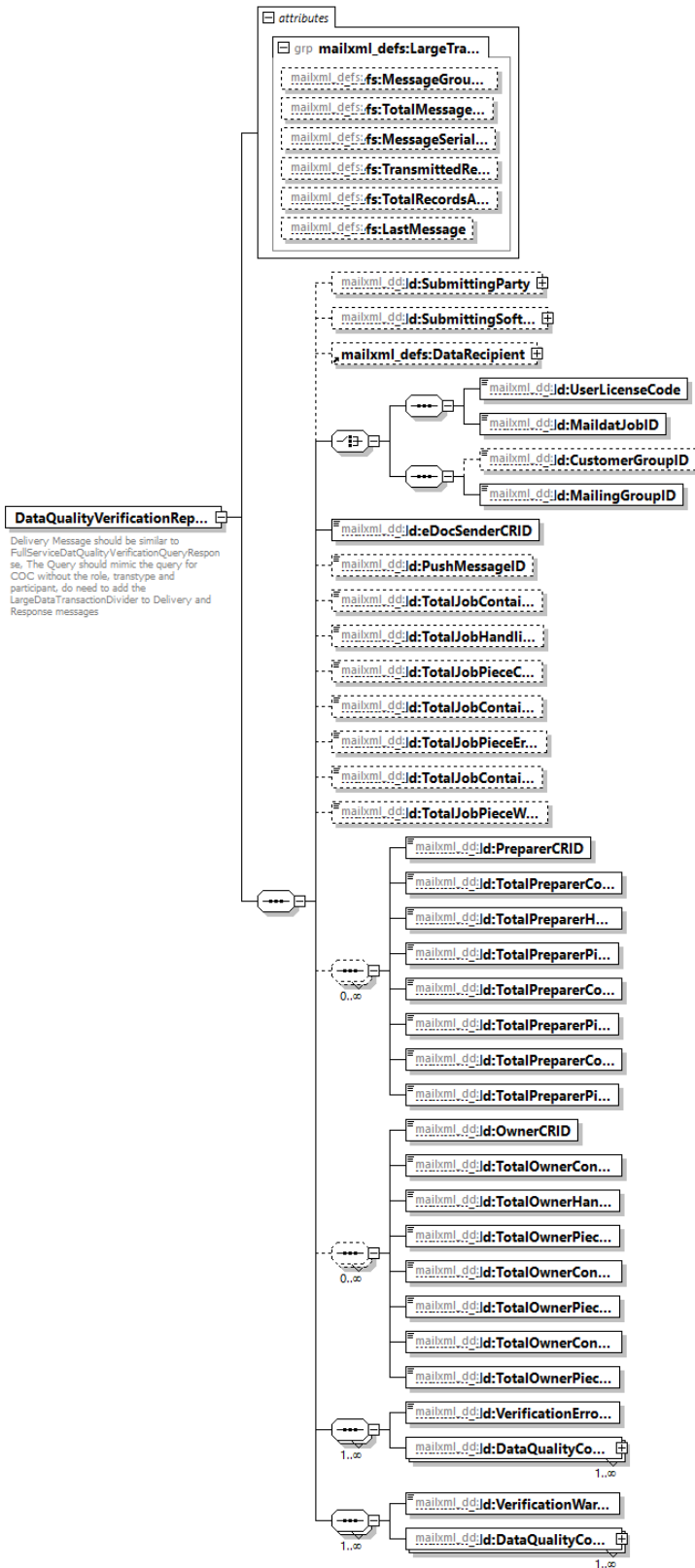
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount mailxml_defs:MessageSerialNumber mailxml_defs:TransmittedRecordCount mailxml_defs:TotalRecordsAcrossMessages mailxml_defs:LastMessage	Type mailxml_base:s20 xs:positiveInteger xs:positiveInteger xs:positiveInteger xs:positiveInteger xs:positiveInteger mailxml_base:yesNo	Use required required required required required optional	Default No	Fixed 	Annotation
annotation	documentation Response to the query by(preparer) / for(owner) conflicts information in edocs.					

element **ContainerVisibilityEntry**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:ConsigneeApptID mailxml_dd:LogicalIndicator mailxml_dd:CSAID mailxml_dd:ContainerID mailxml_dd:ParentContainerID mailxml_dd:SiblingContainerID mailxml_dd:ContainerType mailxml_dd:ScanEvent mailxml_dd:IMcb mailxml_dd:IMtb mailxml_dd:IMpb mailxml_dd:FullServiceComplianceIndicator mailxml_dd:FullServiceNonComplianceReasonCode mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:FullServiceIndicator

element **DataQualityVerificationReportDelivery**

diagram



namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:eDocSenderCRID mailxml_dd:PushMessageID mailxml_dd:TotalJobContainerCount mailxml_dd:TotalJobHandlingUnitCount mailxml_dd:TotalJobPieceCount mailxml_dd:TotalJobContainerHUErrorCount mailxml_dd:TotalJobPieceErrorCount mailxml_dd:TotalJobContainerHUWarningCount mailxml_dd:TotalJobPieceWarningCount mailxml_dd:PreparerCRID mailxml_dd:TotalPreparerContainerCount mailxml_dd:TotalPreparerHandlingUnitCount mailxml_dd:TotalPreparerPieceCount mailxml_dd:TotalPreparerContainerHUErrorCount mailxml_dd:TotalPreparerPieceErrorCount mailxml_dd:TotalPreparerContainerHUWarningCount mailxml_dd:TotalPreparerPieceWarningCount mailxml_dd:OwnerCRID mailxml_dd:TotalOwnerContainerCount mailxml_dd:TotalOwnerHandlingUnitCount mailxml_dd:TotalOwnerPieceCount mailxml_dd:TotalOwnerContainerHUErrorCount mailxml_dd:TotalOwnerPieceErrorCount mailxml_dd:TotalOwnerContainerHUWarningCount mailxml_dd:TotalOwnerPieceWarningCount mailxml_dd:VerificationErrorType mailxml_dd:DataQualityContainerInfo mailxml_dd:VerificationWarningType mailxml_dd:DataQualityContainerInfo					
attributes	Name mailxml_defs:MessageGroupID mailxml_defs:TotalMessageCount mailxml_defs:MessageSerialNumber mailxml_defs:TransmittedRecordCount mailxml_defs:TotalRecordsAcrossMessages mailxml_defs:LastMessage	Type mailxml_base:s20 xs:positiveInteger xs:positiveInteger xs:positiveInteger xs:positiveInteger mailxml_base:yesNo	Use optional optional optional optional optional	Default 	Fixed 	Annotation
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	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	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:VerificationErrorType mailxml_dd:VerificationWarningType mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification from USPS that a full service data quality verification report is ready for pickup.

element **DataQualityVerificationReportQueryRequest**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	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:VerificationWarningType mailxml_dd:retrieveDataBy
annotation	documentation Query request for full service data quality reports.

element **DataQualityVerificationReportQueryResponse**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	optional			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	optional			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	optional			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	optional			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	optional			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Request for Full Service Data Quality Verification Reports					

element **DeliveryPointValidation**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:OriginalMailerID6 mailxml_dd:OriginalMailerID9 mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:InvalidDeliveryPointIMB mailxml_dd:PrimarySecondaryIndicator mailxml_dd:DPVDataRecipientCRID mailxml_dd:FullServiceComplianceIndicator mailxml_dd:FullServiceNonComplianceReasonCode mailxml_dd:FullServiceIndicator mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:ReturnInfo
used by	elements DeliveryPointValidationDelivery DeliveryPointValidationQueryResponse/QueryResults

element **DeliveryPointValidationDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:PushMessageID mailxml_dd:DeliveryPointValidation					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	optional			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	optional			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	optional			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	optional			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	optional			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Delivery of Delivery Point Validation by USPS.					

element **DeliveryPointValidationNotification**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:CRID mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification by UPSP that Delivery Point Validation is ready for pickup.

element **DeliveryPointValidationQueryRequest**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID mailxml_dd:RequestorCRID mailxml_dd:OriginalMailerID6 mailxml_dd:OriginalMailerID9 mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:DateRange mailxml_dd:retrieveDataBy
annotation	documentation Query request for USPS for delivery point validation.

element **DeliveryPointValidationQueryResponse**

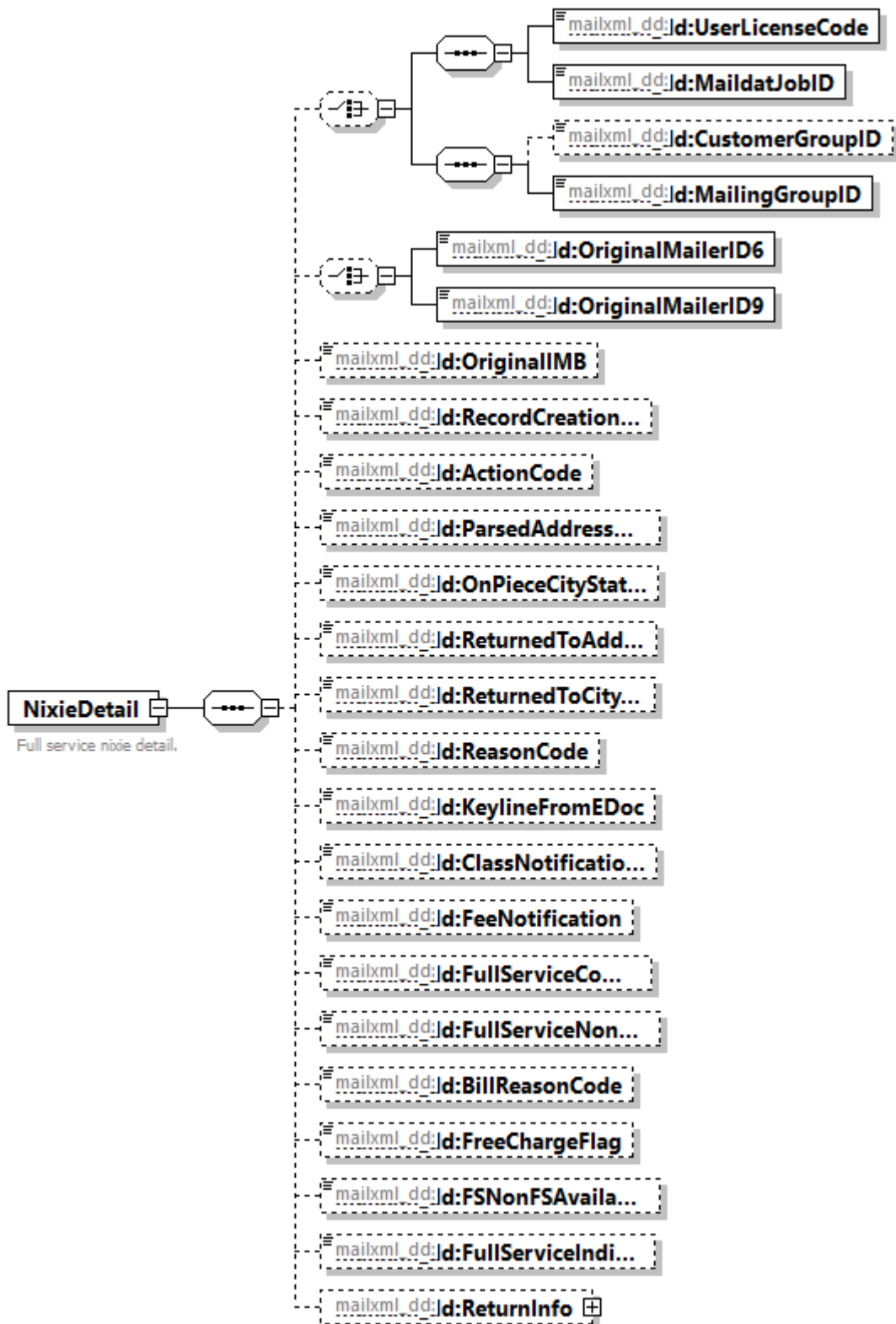
diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	required			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	required			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	required			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	required			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	required			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Query request for USPS for delivery point validation.					

element **IMbMailpieceScanData**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:MailBundleCount mailxml_dd:MPSCount mailxml_dd:IMcbAndIMtbPieceScanInfo mailxml_dd:IMcbPieceScanInfo mailxml_dd:IMtbPieceScanInfo mailxml_dd:IMbScanRec

element **NixieDetail**

diagram



namespace

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

children	mailxml_dd:UserCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:OriginalMailerID6 mailxml_dd:OriginalMailerID9 mailxml_dd:OriginalIMB mailxml_dd:RecordCreationDate mailxml_dd:ActionCode mailxml_dd:ParsedAddressOnPiece mailxml_dd:OnPieceCityStateZip mailxml_dd:ReturnedToAddress mailxml_dd:ReturnedToCityStateZip mailxml_dd:ReasonCode mailxml_dd:KeylineFromEDoc mailxml_dd:ClassNotificationType mailxml_dd:FeeNotification mailxml_dd:FullServiceComplianceIndicator mailxml_dd:FullServiceNonComplianceReasonCode mailxml_dd:BillReasonCode mailxml_dd:FreeChargeFlag mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:FullServiceIndicator mailxml_dd:ReturnInfo
used by	elements NixieDetailQueryResponse/QueryResults NixieDetailDelivery
annotation	documentation Full service nixie detail.

element **NixieDetailDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:PushMessageID mailxml_dd:NixieDetail					
attributes	Name mailxml_defs:MessageGroupID	Type mailxml_base:s20	Use optional	Default	Fixed	Annotation

	mailxml_defs:TotalMessageCount	xs:positiveInteger	optional
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	optional
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	optional
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	optional
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional No
annotation	documentation Delivery from USPS of full service nixie detail.		

element **NixieDetailNotification**

diagram	<pre> graph LR NixieDetailNotification["NixieDetailNotification Notification by USPS that full service nixie detail is ready for pickup."] NixieDetailNotification --- S1(()) S1 --- mailxml_dd_d_SubmittingParty["mailxml_dd:d:SubmittingParty"] S1 --- S2(()) S2 --- mailxml_dd_d_SubmittingSoftware["mailxml_dd:d:SubmittingSoftware"] S2 --- S3(()) S3 --- mailxml_dd_d_CRID["mailxml_dd:d:CRID"] S3 --- S4(()) S4 --- mailxml_dd_d_PushMessageID["mailxml_dd:d:PushMessageID"] S4 --- S5(()) S5 --- S6(()) S6 --- mailxml_dd_d_UserLicenseCode["mailxml_dd:d:UserLicenseCode"] S6 --- mailxml_dd_d_MaildatJobID["mailxml_dd:d:MaildatJobID"] S6 --- mailxml_dd_d_CustomerGroupID["mailxml_dd:d:CustomerGroupID"] S6 --- mailxml_dd_d_MailingGroupID["mailxml_dd:d:MailingGroupID"] S5 --- mailxml_dd_d_FSNonFSAvailabilityDate["mailxml_dd:d:FSNonFSAvailabilityDate"] S5 --- mailxml_dd_d_NotificationDate["mailxml_dd:d:NotificationDate"] S5 --- mailxml_dd_d_AvailableRecordCount["mailxml_dd:d:AvailableRecordCount"] </pre>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:CRID mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification by USPS that full service nixie detail is ready for pickup.

element **NixieDetailQueryRequest**

diagram	<pre> graph LR Root[NixieDetailQueryRequest Query request for full service nixie detail.] Root --- Seq1[...] Seq1 --- SP[mailxml_dd:d:SubmittingParty] Seq1 --- Seq2[...] Seq2 --- SS[mailxml_dd:d:SubmittingSoftware] Seq2 --- Seq3[...] Seq3 --- STID[mailxml_dd:d:SubmitterTrackingID] Seq3 --- Seq4[...] Seq4 --- CRID[mailxml_dd:d:RequestorCRID] Seq4 --- Choice(()) Choice --- OMID6[mailxml_dd:d:OriginalMailerID6] Choice --- OMID9[mailxml_dd:d:OriginalMailerID9] Choice --- Seq5[...] Seq5 --- PR[mailxml_dd:d:PieceRequest 1..∞] Seq5 --- Seq6[...] Seq6 --- RDB[mailxml_dd:d:retrieveDataBy] </pre>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID mailxml_dd:RequestorCRID mailxml_dd:OriginalMailerID6 mailxml_dd:OriginalMailerID9 mailxml_dd:PieceRequest mailxml_dd:retrieveDataBy
annotation	documentation Query request for full service nixie detail.

element **NixieDetailQueryResponse**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	required			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	required			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	required			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	required			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	required			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Query request for full service nixie detail.					

element **NonComplianceDataWithPostageOwedQueryRequest**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	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:StartDate mailxml_dd:EndDate mailxml_dd:retrieveDataBy mailxml_dd:VerificationErrorType
annotation	documentation Query request for full service Non Compliance Data reports.

element **NonComplianceDataWithPostageOwedReportDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:PushMessageID mailxml_dd:NonComplianceDataWithPostageOwedReport mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:FullServiceIndicator					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	optional			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	optional			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	optional			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	optional			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	optional			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Delivery of by / for conflict information from USPS.					

element **NonComplianceDataWithPostageOwedReportNotification**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaidatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:eDocSenderCRID mailxml_dd:FSNonFSAvaila... mailxml_dd:NotificationDate mailxml_dd:AvailableRecordCount
annotation	documentation Notification from USPS that a full service non compliance data report is ready for pickup.

element **NonComplianceDataWithPostageOwedReportQueryResponse**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	required			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	required			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	required			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	required			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	required			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Request for Full Service Non Compliance Data With Postage Owed Report Query Request					

element **ScanSTCCount**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:ConsigneeApptID mailxml_dd:LogicalIndicator mailxml_dd:IMcbCount mailxml_dd:IMtbCount mailxml_dd:IMpbCount mailxml_dd:IMbCount mailxml_dd:PlannedCount mailxml_dd:PaidCount mailxml_dd:ScannedCount mailxml_dd:STCCount
used by	elements ScanSTCReconciliationQueryResponse/QueryResults ScanSTCReconciliationDelivery
annotation	documentation ScanandSPMCountfor thridpartyreconciliation

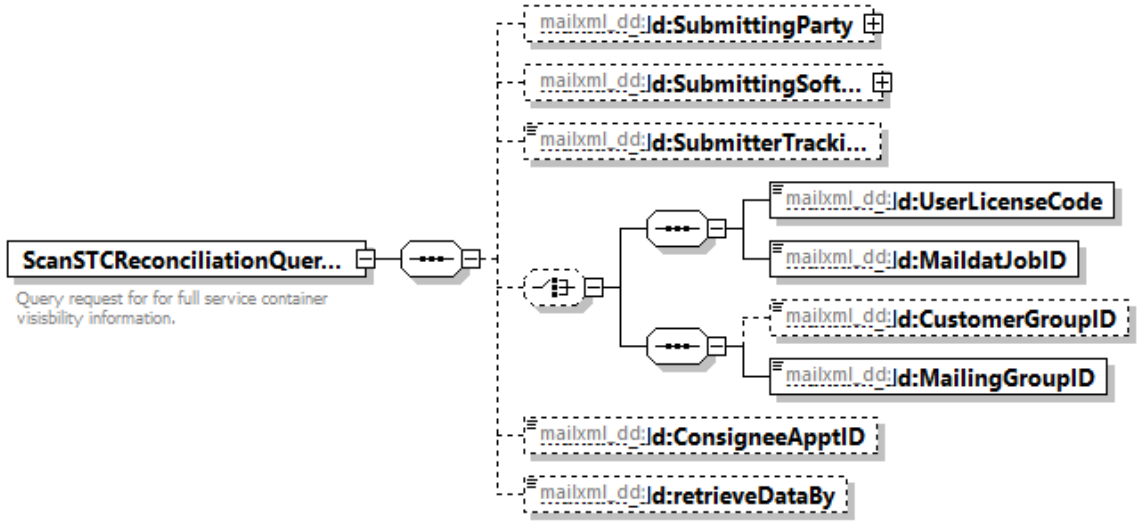
element **ScanSTCReconciliationDelivery**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_defs:DataRecipient mailxml_dd:eDocSenderCRID mailxml_dd:PushMessageID mailxml_dd:ScanSTCCount					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	required			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	required			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	required			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	required			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	required			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Query request for for full service container visisbility information.					

element **ScanSTCReconciliationNotification**

diagram	<p>ScanSTCReconciliationNoti... Notification sent by USPS that full service container visibility information is ready for pickup.</p> <ul style="list-style-type: none"> mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:PushMessageID Choice: <ul style="list-style-type: none"> mailxml_dd:UserLicenseCode mailxml_dd:MaidatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:NonFullServiceAvailabilityDate Choice: <ul style="list-style-type: none"> mailxml_dd:AvailableRecordCount mailxml_dd:CountType mailxml_dd:NotificationDate
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:PushMessageID mailxml_dd:UserLicenseCode mailxml_dd:MaidatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:NonFullServiceAvailabilityDate mailxml_dd:AvailableRecordCount mailxml_dd:CountType mailxml_dd:NotificationDate
annotation	documentation Notification sent by USPS that full service container visibility information is ready for pickup.

element **ScanSTCReconciliationQueryRequest**

diagram	 <p>The diagram illustrates the structure of the ScanSTCReconciliationQueryRequest element. It is a container element (rectangle with a small square on the left) that contains a sequence of child elements. The children are: mailxml_dd:SubmittingParty, mailxml_dd:SubmittingSoftware, mailxml_dd:SubmitterTrackingID, a choice element (oval with a vertical line) containing mailxml_dd:UserLicenseCode and mailxml_dd:MaildatJobID, another choice element containing mailxml_dd:CustomerGroupID and mailxml_dd:MailingGroupID, mailxml_dd:ConsigneeApptID, and mailxml_dd:retrieveDataBy. The choice elements are indicated by dashed lines connecting them to the main container.</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:SubmittingParty mailxml_dd:SubmittingSoftware mailxml_dd:SubmitterTrackingID mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:ConsigneeApptID mailxml_dd:retrieveDataBy
annotation	documentation Query request for for full service container visibility information.

element **ScanSTCReconciliationQueryResponse**

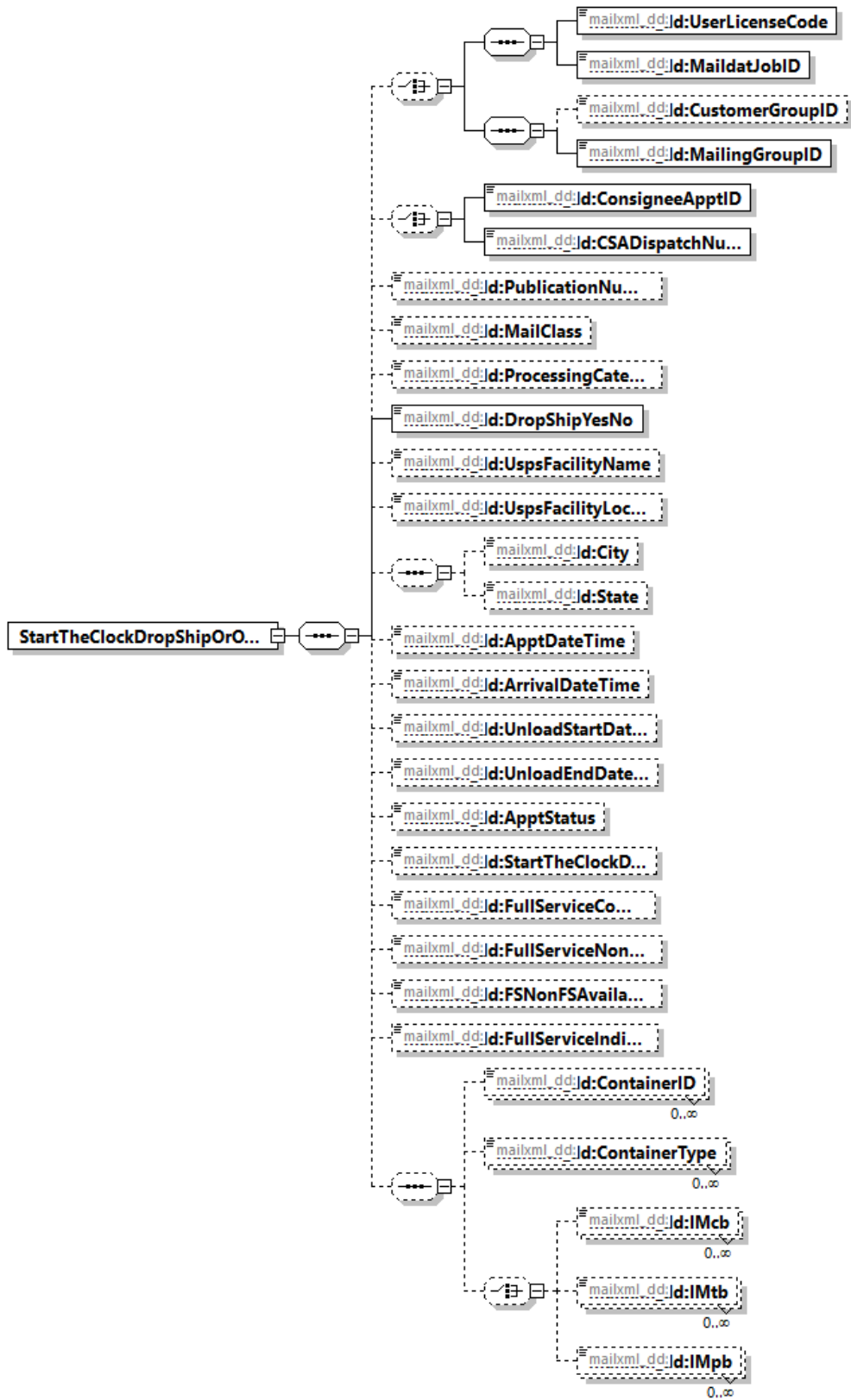
diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:TrackingID mailxml_dd:SubmitterTrackingID mailxml_dd:QueryResults mailxml_defs:QueryError					
attributes	Name	Type	Use	Default	Fixed	Annotation
	mailxml_defs:MessageGroupID	mailxml_base:s20	required			
	mailxml_defs:TotalMessageCount	xs:positiveInteger	required			
	mailxml_defs:MessageSerialNumber	xs:positiveInteger	required			
	mailxml_defs:TransmittedRecordCount	xs:positiveInteger	required			
	mailxml_defs:TotalRecordsAcrossMessages	xs:positiveInteger	required			
	mailxml_defs:LastMessage	mailxml_base:yesNo	optional	No		
annotation	documentation Response to the Query request for for full service container visibility information.					

element **StartTheClockBEMUBlock**

diagram						
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd					
children	mailxml_dd:StartTheClockBEMU					
used by	complexType clockStartedType					

element **StartTheClockDropShipOrOrigin**

diagram



namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:ConsigneeApptID mailxml_dd:CSADispatchNumber mailxml_dd:PublicationNumber mailxml_dd:MailClass mailxml_dd:ProcessingCategory mailxml_dd:DropShipYesNo mailxml_dd:UspsFacilityName mailxml_dd:UspsFacilityLocaleKey mailxml_dd:City mailxml_dd:State mailxml_dd:ApptDateTime mailxml_dd:ArrivalDateTime mailxml_dd:UnloadStartDateTime mailxml_dd:UnloadEndDateTime mailxml_dd:ApptStatus mailxml_dd:StartTheClockDate mailxml_dd:FullServiceComplianceIndicator mailxml_dd:FullServiceNonComplianceReasonCode mailxml_dd:FSNonFSAAvailabilityDate mailxml_dd:FullServiceIndicator mailxml_dd:ContainerID mailxml_dd:ContainerType mailxml_dd:IMcb mailxml_dd:IMtb mailxml_dd:IMpb
used by	element clockStartedType/StartTheClockDropShipOrOriginBlock

element **StartTheClockPlantLoadBlock**

diagram	<p>The diagram shows a box labeled 'StartTheClockPlantLoadBlock' connected by a line to a box labeled 'mailxml_dd:StartTheClockP...'. The connection line has a small circle with three dots in the middle. The 'mailxml_dd:StartTheClockP...' box has a multiplicity of '1..∞' at its bottom right corner.</p>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:StartTheClockPlantLoad
used by	complexType clockStartedType

complexType **addressCorrectionAddressType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	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 mailxml_dd:State mailxml_dd:ZipCode mailxml_dd:ZipCodePlus4 mailxml_dd:DeliveryPoint11DigitZip
used by	elements newAddressCorrectionAddressType/NewDomesticAddress AddressCorrection/OldAddress

complexType **byForConflictType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:MailOwnerConflict mailxml_dd:MailPreparerConflict mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:FullServiceIndicator mailxml_dd:ReturnInfo
used by	elements ByForConflictDelivery/ByForConflict ByForConflictQueryResponse/QueryResults/ByForConflict

complexType **clockStartedType**

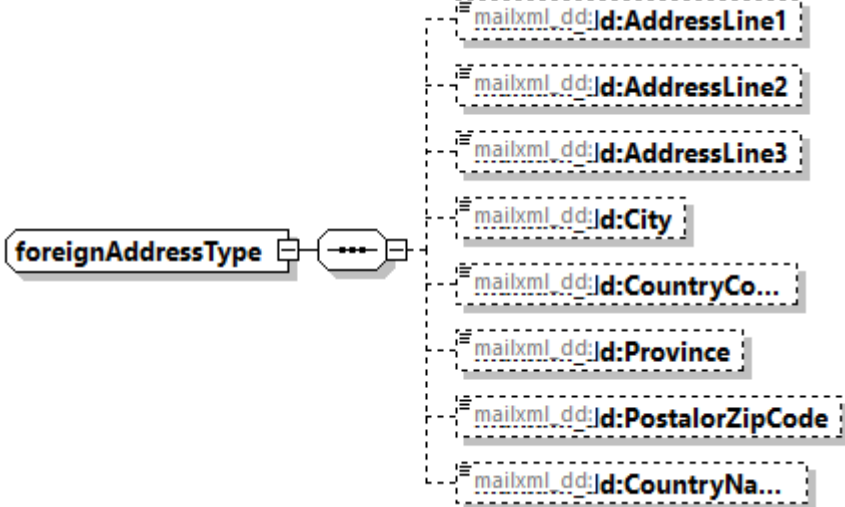
diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:StartTheClockBEMUBlock mailxml_dd:StartTheClockDropShipOrOriginBlock mailxml_dd:StartTheClockPlantLoadBlock

complexType **dqrContainerInfoType**

<p>diagram</p>	
<p>namespace</p>	<p>http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd</p>
<p>children</p>	<p>mailxml_dd:ContainerID mailxml_dd:SiblingRefContainerID mailxml_dd:ParentContainerID mailxml_dd:ProcessingCategory mailxml_dd:MailClass mailxml_dd:USPSFacilityLocaleKey mailxml_dd:City mailxml_dd:State mailxml_dd:MailingDate mailxml_dd:ContainerType mailxml_dd:IMcb mailxml_dd:IMtb mailxml_dd:CSAID mailxml_dd:ConsigneeAppTID</p>

	mailxml_dd:FSNonFSAvailabilityDate mailxml_dd:FullServiceIndicator mailxml_dd:VerificationError mailxml_dd:PreparerCRID mailxml_dd:OwnerCRID mailxml_dd:PieceInfo mailxml_dd:PieceRangeInfo
used by	elements DataQualityVerificationReportDelivery/DataQualityContainerInfo DataQualityVerificationReportDelivery/DataQualityContainerInfo DataQualityVerificationReportQueryResponse/QueryResults/DQRContainerInfo DataQualityVerificationReportQueryResponse/QueryResults/DQRContainerInfo

complexType **foreignAddressType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:AddressLine1 mailxml_dd:AddressLine2 mailxml_dd:AddressLine3 mailxml_dd:City mailxml_dd:CountryCode mailxml_dd:Province mailxml_dd:PostalorZipCode mailxml_dd:CountryName
used by	element newAddressCorrectionAddressType/NewForeignAddress

complexType **manifestScanEventDetailType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:USPSEventExtractFileVersionNumber mailxml_dd:IMpb mailxml_dd:ElectronicFileNumber mailxml_dd:MailerID mailxml_dd:MailerName

	mailxml_dd:DestinationZipCode mailxml_dd:DestinationZipPlusFour mailxml_dd:ScanningFacilityZip mailxml_dd:ScanningFacilityName mailxml_dd:EventCode mailxml_dd:EventName mailxml_dd:EventDate mailxml_dd:EventTime mailxml_dd:MailerOwnerID mailxml_dd:CustomerReferenceID mailxml_dd:DestinationCountryCode mailxml_dd:RecipientName mailxml_dd:OriginalLabel mailxml_dd:UnitofMeasureCode mailxml_dd:Weight mailxml_dd:GuaranteedDeliveryDate mailxml_dd:GuaranteedDeliveryTime mailxml_dd:LogisticsManagerMailerID
--	--

complexType **manifestScanNotificationDataType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:ConsigneeManifestID

complexType **manifestScanQueryType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:ConsigneeManifestID

complexType **MPSNotificationDataType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:MPSRBlock mailxml_dd:MPSAvailabilityDate

complexType **MPSRResponseBlockType**

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

children	mailxml_dd:ContainerID mailxml_dd:PSRResponseBlock
----------	---

complexType **MPSVisScanQueryType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID

	mailxml_dd:MailingGroupID mailxml_dd:ResultOptions mailxml_dd:RangeLowerDate mailxml_dd:RangeUpperDate mailxml_dd:MID6OnThePiece mailxml_dd:MID9OnThePiece mailxml_dd:FacilityLocaleKey mailxml_dd:EventType mailxml_dd:BundleScanType mailxml_dd:IMcb mailxml_dd:IMtb mailxml_dd:IMB mailxml_dd:BundleID mailxml_dd:FieldIncludedScanRecFlag
--	---

complexType **newAddressCorrectionAddressType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:NewDomesticAddress mailxml_dd:NewForeignAddress
used by	element AddressCorrection/NewAddress

complexType **nonComplianceDataWithPostageOwedReportType**

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

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:UserLicenseCode mailxml_dd:MaildatJobID mailxml_dd:CustomerGroupID mailxml_dd:MailingGroupID mailxml_dd:eDocSenderCRID mailxml_dd:TotalFSPieces mailxml_dd:TotalNonFSPieces mailxml_dd:TotalAffectedPieces mailxml_dd:PercentageFullServicePiecesAffected mailxml_dd:EligibilityForPostalOneInvoicing mailxml_dd:TotalDiscountAssessment mailxml_dd:MailClass mailxml_dd:DiscountFinalized mailxml_dd:MailingIDDetail
used by	<div> <div>elements</div> <div> NonComplianceDataWithPostageOwedReportQueryResponse/QueryResults/NonComplianceDataWithPostageOwedReport NonComplianceDataWithPostageOwedReportDelivery/NonComplianceDataWithPostageOwedReport </div> </div>

complexType **PSRResponseBlockType**

diagram	<pre> xsd:element name="PSRResponseBlockType" type="PSRResponseBlockType"> <div> <div>sequence</div> <div> <div> <div>mailxml_dd:id:PRID</div> <div>mailxml_dd:id:IMBLS</div> <div>mailxml_dd:id:IMBUS</div> <div> <div>mailxml_dd:id:ServiceTypeCode</div> <div>mailxml_dd:id:MailClass</div> </div> <div>mailxml_dd:id:ServiceLevelInd...</div> <div>mailxml_dd:id:MailpieceScanC...</div> </div> </div> </div> </pre>
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:PRID mailxml_dd:IMBLS mailxml_dd:IMBUS mailxml_dd:ServiceTypeCode mailxml_dd:MailClass mailxml_dd:ServiceLevelIndicator mailxml_dd:MailpieceScanCount
used by	<div> <div>element</div> <div>MPSRResponseBlockType/PSRResponseBlock</div> </div>

complexType **unManifestedScanEventDetailType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:USPSEventExtractFileVersionNumber mailxml_dd:IMpb mailxml_dd:ElectronicFileNumber mailxml_dd:MailerID mailxml_dd:MailerName

	mailxml_dd:DestinationZipCode mailxml_dd:DestinationZipPlusFour mailxml_dd:ScanningFacilityZip mailxml_dd:ScanningFacilityName mailxml_dd:EventCode mailxml_dd:EventName mailxml_dd:EventDate mailxml_dd:EventTime mailxml_dd:MailerOwnerID mailxml_dd:CustomerReferenceID mailxml_dd:DestinationCountryCode mailxml_dd:RecipientName mailxml_dd:OriginalLabel mailxml_dd:UnitofMeasureCode mailxml_dd:Weight mailxml_dd:GuaranteedDeliveryDate mailxml_dd:GuaranteedDeliveryTime mailxml_dd:LogisticsManagerMailerID
--	--

complexType **verificationErrorType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd
children	mailxml_dd:VerificationErrorCode mailxml_dd:VerificationErrorDescription
used by	element dqrContainerInfoType/VerificationError element dqrContainerInfoType/PieceInfo/VerificationError element dqrContainerInfoType/PieceRangeInfo/VerificationError element nonComplianceDataWithPostageOwedReportType/MailingIDDetail/VerificationError

simpleType **addressCorrectionMoveType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
used by	element	AddressCorrection/MoveType	
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	I	
	enumeration	B	

simpleType **addressTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
used by	element	addressCorrectionAddressType/AddressType	
facets	Kind	Value	Annotation
	enumeration	F	
	enumeration	G	
	enumeration	H	
	enumeration	P	

	enumeration	R
	enumeration	S
	enumeration	U
	enumeration	V
	enumeration	X

simpleType **containerScanStateType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	Electronic Information Received	
	enumeration	Entered at USPS	
	enumeration	Enroute Depart	
	enumeration	Enroute	
	enumeration	Enroute Arrive	
	enumeration	All Scan States	
annotation	documentation Scan data for Container Scan States		

simpleType **deliverabilityCodeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
used by	element	AddressCorrection/DeliverabilityCodeType	
facets	Kind	Value	Annotation
	enumeration	K	
	enumeration	G	
	enumeration	W	

simpleType **eDocTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
facets	Kind	Value	Annotation
	enumeration	101	
	enumeration	102	
	enumeration	103	
	enumeration	104	
	enumeration	105	
	enumeration	106	
	enumeration	107	
	enumeration	108	
	enumeration	109	

	enumeration 110
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simpleType **primarySecondaryIndicatorType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
used by	element	DeliveryPointValidation/PrimarySecondaryIndicator	
facets	Kind	Value	Annotation
	enumeration	P	
	enumeration	S	

simpleType **verificationErrorTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		
used by	elements	DataQualityVerificationReportDelivery/VerificationErrorType DataQualityVerificationReportNotification/VerificationErrorType DataQualityVerificationReportQueryRequest/VerificationErrorType DataQualityVerificationReportQueryResponse/QueryResults/VerificationErrorType NonComplianceDataWithPostageOwedQueryRequest/VerificationErrorType nonComplianceDataWithPostageOwedReportType/MailingIDDetail/VerificationErrorType	
facets	Kind	Value	Annotation
	enumeration	CSAVerification	
	enumeration	ContainerBarcodeVerification	
	enumeration	HandlingUnitBarcodeVerification	
	enumeration	PieceBarcodeVerification	
	enumeration	ByForConflictVerification	
	enumeration	ServiceTypeVerification	
	enumeration	AppointmentVerification	
	enumeration	MailerIDVerification	
	enumeration	DeliveryPointVerification	
	enumeration	ServicePerformanceVerification	
	enumeration	EntryFacilityVerification	
	enumeration	DefaultTrayBarcodeError	
	enumeration	AllErrors	
	enumeration	NoErrors	

simpleType **verificationWarningTypeType**

namespace	http://delivery-tech.org/Specs/mailxml24.1/mailxml_dd		
type	restriction of xs:string		

used by	elements	DataQualityVerificationReportDelivery/VerificationWarningType DataQualityVerificationReportNotification/VerificationWarningType DataQualityVerificationReportQueryRequest/VerificationWarningType DataQualityVerificationReportQueryResponse/QueryResults/VerificationWarningType	
facets	Kind	Value	Annotation
	enumeration	CSAVerification	
	enumeration	ContainerBarcodeVerification	
	enumeration	HandlingUnitBarcodeVerification	
	enumeration	PieceBarcodeVerification	
	enumeration	ByForConflictVerification	
	enumeration	ServiceTypeVerification	
	enumeration	AppointmentVerification	
	enumeration	MailerIDVerification	
	enumeration	DeliveryPointVerification	
	enumeration	ServicePerformanceVerification	
	enumeration	EntryFacilityVerification	
	enumeration	DefaultTrayBarcodeError	
	enumeration	AllWarnings	
	enumeration	NoWarnings	