Mail.XML Version 23.0

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 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 23.0?

With this release, the Mail.XML Messaging Protocol moves to Version 23.0. In addition to minor cleanup, this release supports Mail.dat modernization and provides a new message for mailers to notify USPS of transportation dispatch details.

Changes supported by Mail.XML 23.0 include:

- Add a new element as part of MailCharacteristic Incentive block to allow users to provide data associated with Group ID for Electronic Sample of Mailpiece (eMailpieceSampleGroupID).
- Updates to ContainerScanQueryRequest to allow users to enter more than one ContainerID to request for status on more than one containers.

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:Mail.XML="http://Idealliance.org/Specs/Mail.XML23.0/Mail.XML" targetNamespace="http://Idealliance.org/Specs/Mail.XML23.0/Mail.XML"
- 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:Mail.XML="http://Idealliance.org/Specs/Mail.XML15.0A/Mail.XML" then at least one of the XSDs is at same version such as filename ='Mail.XML_15.0.A.xsd' <- Errata A
- If the wrapper version is labeled as xmlns:Mail.XML="http://Idealliance.org/Specs/Mail.XML15.0B/Mail.XML" then at least one of the XSDs is at same version such as filename ='Mail.XML_15.0B.xsd' <- Errata B

- If the wrapper version is labeled as xmlns:Mail.XML="http://Idealliance.org/Specs/Mail.XML15.0/Mail.XML" then at least one of the XSDs is at same version such as filename ='Mail.XML_15.0.xsd' <- Major Version

Mail.XML 23.0 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™ 23 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™ 23.0: Transportation Messaging Specification documents all transportation messages

- Mail.XML™ 23.0: Mailing Messaging Specification documents all mailing messages

- Mail.XML™ 23.0: Informed Visibility Specification documents all informed visibility messages

- Mail.XML™ 23.0: Data Distribution Messaging Specification documents all data distribution messages
- Mail.XML™ 23.0: Identification Messaging Specification documents all identification messages
- Mail.XML™ 23.0: Supply Chain Messaging Specification documents all supply chain messages
- Mail.XML™ 23.0: System Messaging Specification documents all systems and fault messages
- Mail.XML™ 23.0: Simple Types Specification documents all simple types used across Mail.XML messages
- Mail.XML™ 23.0: Common Definitions Specification documents all shared elements and complex types.
- Mail.XML™ 23.0: Schemas contains the .XSDs that make up the Mail.XML Messaging Specification

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schema location:	C:\WORK\Idealliance\2-XML\23.0 - internal edits\MailXMLV23-9-23-19\mailxml_23.0.xsd
attribute form default:	**qualified**
element form default:	**qualified**
targetNamespace:	**http://idealliance.org/Specs/mailxml23.0/mailxml**

Elements

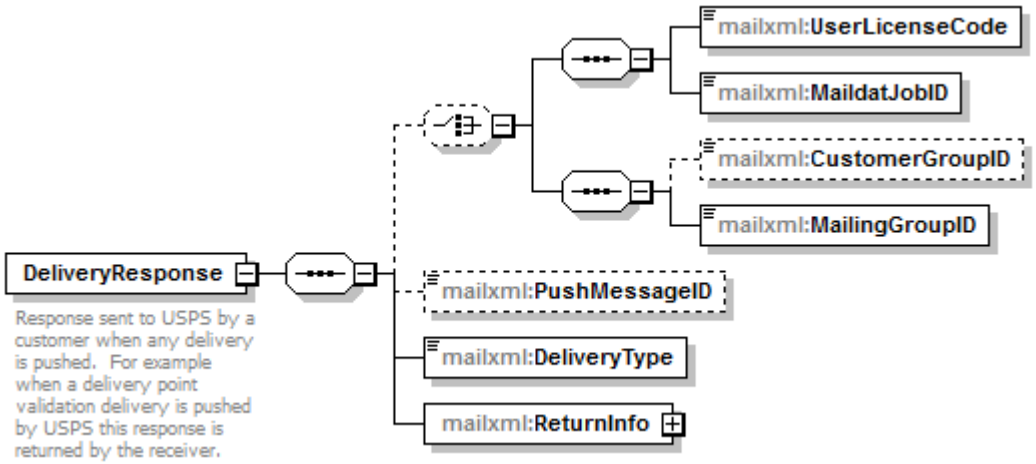
DeliveryResponse
Fault
MessageResponseRetrievalRequest
MessageResponseRetrievalResponse
NotificationResponse
SystemVersionQueryRequest
SystemVersionQueryResponse

Complex types

messageResponseNotAvailableResponseType
messageResponseRetrievalRequestType
messageResponseRetrievalResponseType

2 Elements

element **DeliveryResponse**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:UserLicenseCode** **mailxml:MaildatJobID** **mailxml:CustomerGroupID** **mailxml:MailingGroupID** **mailxml:PushMessageID** **mailxml:DeliveryType** **mailxml:ReturnInfo**
used by	element **messageResponseRetrievalResponseType/QueryResults**
annotation	documentation Response sent to USPS by a customer when any delivery is pushed. For example when a delivery point validation delivery is pushed by USPS this response is returned by the receiver.

element **DeliveryResponse/UserLicenseCode**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:userLicenseCodeType**
properties	isRef 0 content simple
facets	Kind Value annotation minLength 1 maxLength 4 whiteSpace preserve

element **DeliveryResponse/MaildatJobID**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:jobIDType**
properties	isRef 0 content simple

facets	Kind / Value / annotation minLength 1 maxLength 8 whiteSpace preserve

element **DeliveryResponse/CustomerGroupID**

diagram	mailxml:CustomerGroupID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s25**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind / Value / annotation minLength 1 maxLength 25 whiteSpace preserve

element **DeliveryResponse/MailingGroupID**

diagram	mailxml:MailingGroupID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**xs:nonNegativeInteger**
properties	isRef 0 content simple

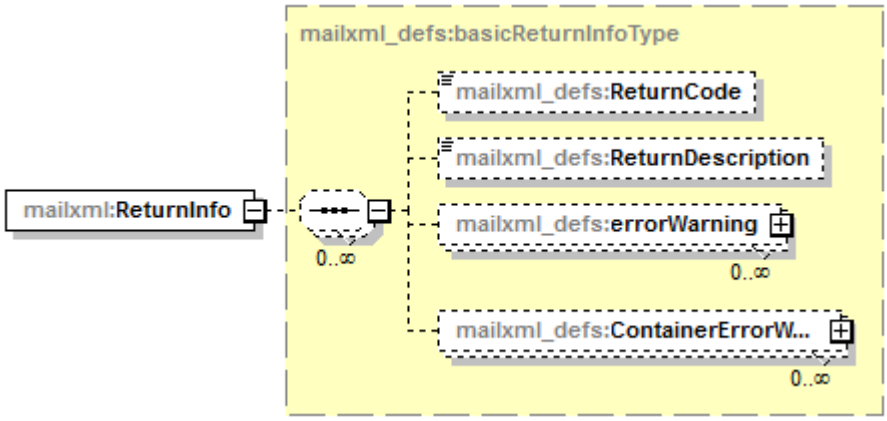
element **DeliveryResponse/PushMessageID**

diagram	mailxml:PushMessageID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s25**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind / Value / annotation minLength 1 maxLength 25 whiteSpace preserve

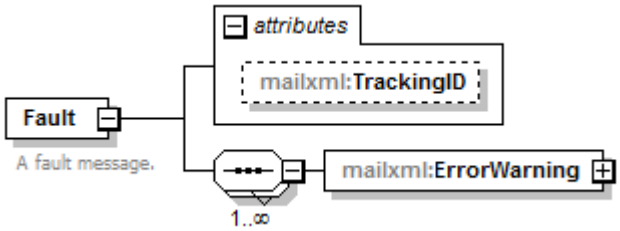
element **DeliveryResponse/DeliveryType**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**xs:string**
properties	isRef 0 content simple

element **DeliveryResponse/ReturnInfo**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:basicReturnInfoType**
properties	isRef 0 content complex
children	**mailxml_defs:ReturnCode mailxml_defs:ReturnDescription mailxml_defs:errorWarning mailxml_defs:ContainerErrorWarningBlock**

element **Fault**

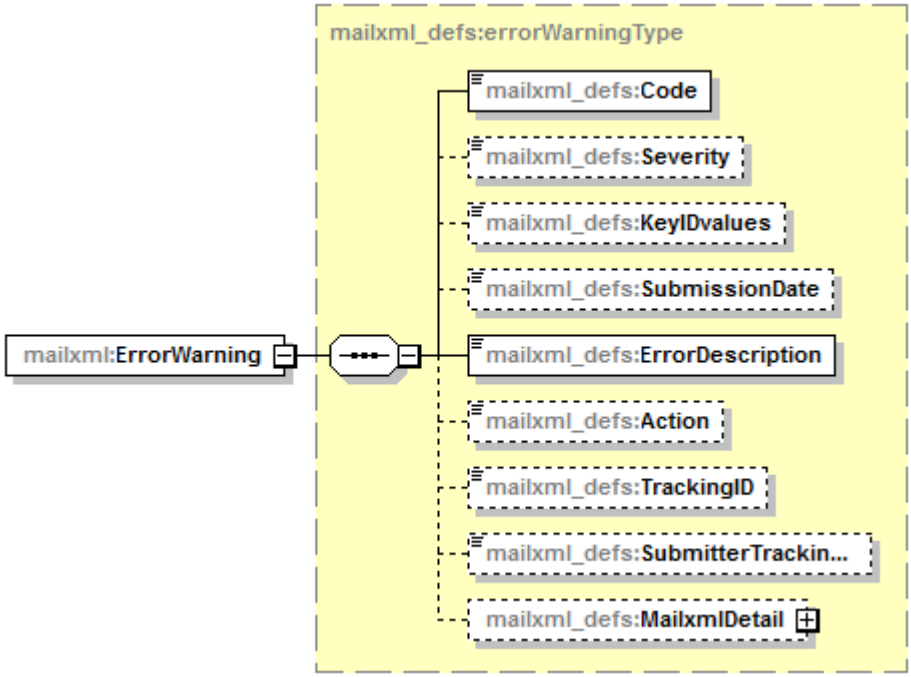
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:ErrorWarning**
used by	element **messageResponseRetrievalResponseType/QueryResults**
attributes	Name Type Use Default Fixed annotation mailxml:TrackingID **mailxml_base:s20**
annotation	documentation

	A fault message.

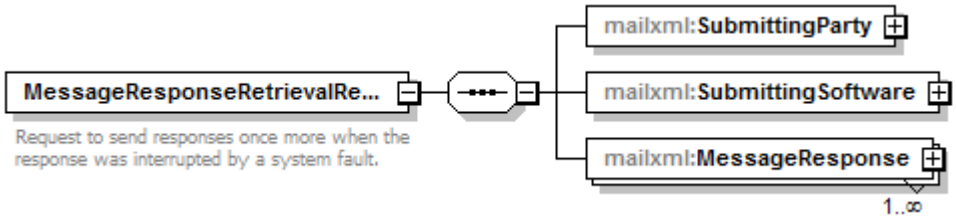
attribute **Fault/@TrackingID**

namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0
facets	Kind / Value / annotation minLength 1 maxLength 20 whiteSpace preserve

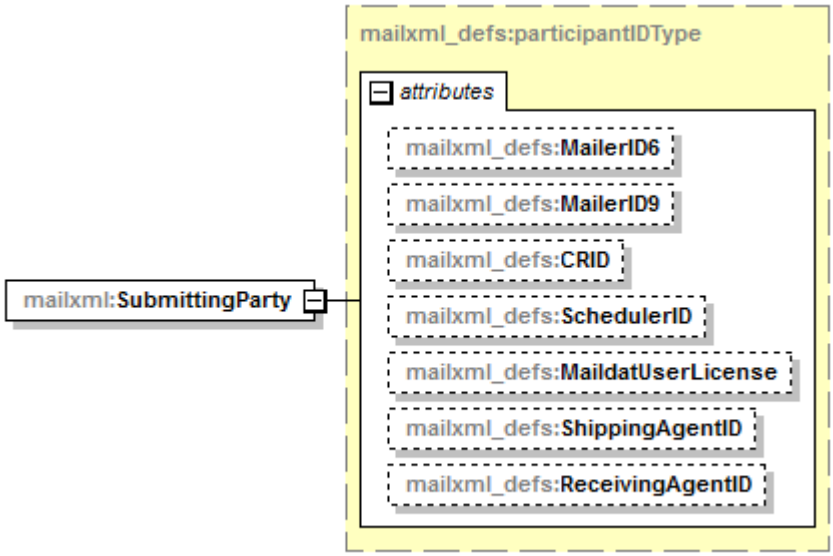
element **Fault/ErrorWarning**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:errorWarningType**
properties	isRef 0 content complex
children	**mailxml_defs:Code mailxml_defs:Severity mailxml_defs:KeyIDvalues mailxml_defs:SubmissionDate mailxml_defs:ErrorDescription mailxml_defs:Action mailxml_defs:TrackingID mailxml_defs:SubmitterTrackingID mailxml_defs:MailxmlDetail**

element **MessageResponseRetrievalRequest**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:SubmittingParty** **mailxml:SubmittingSoftware** **mailxml:MessageResponse**
annotation	documentation Request to send responses once more when the response was interrupted by a system fault.

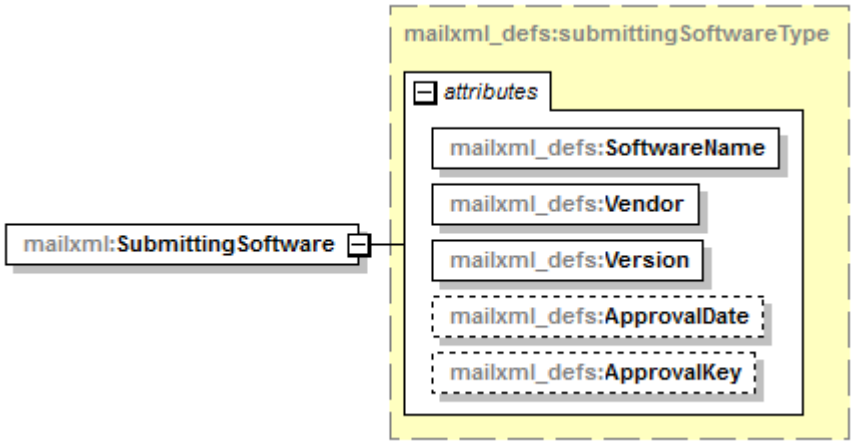
element **MessageResponseRetrievalRequest/SubmittingParty**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:participantIDType**
properties	isRef 0 content complex

attributes

Name	Type	Use	Default	Fixed	annotation
mailxml_defs:MailerID6	**mailxml_base:mailerID6Type**				
mailxml_defs:MailerID9	**mailxml_base:mailerID9Type**				
mailxml_defs:CRID	**mailxml_base:CRIDType**				
mailxml_defs:SchedulerID	**mailxml_base:s12**				
mailxml_defs:MaildatUserLicense	**mailxml_base:userLicenseCodeType**				
mailxml_defs:ShippingAgentID	**mailxml_base:s12**				
mailxml_defs:ReceivingAgentID	**mailxml_base:s12**				

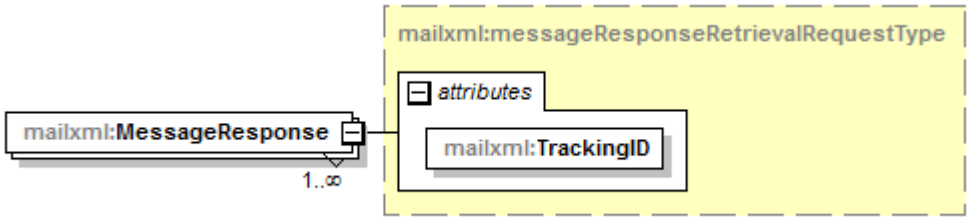
element **MessageResponseRetrievalRequest/SubmittingSoftware**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:submittingSoftwareType**
properties	isRef 0 content complex

attributes

Name	Type	Use	Default	Fixed	annotation
mailxml_defs:SoftwareName	**xs:string**	required			
mailxml_defs:Vendor	**xs:string**	required			
mailxml_defs:Version	**xs:string**	required			
mailxml_defs:ApprovalDate	**xs:date**				
mailxml_defs:ApprovalKey	**xs:string**				

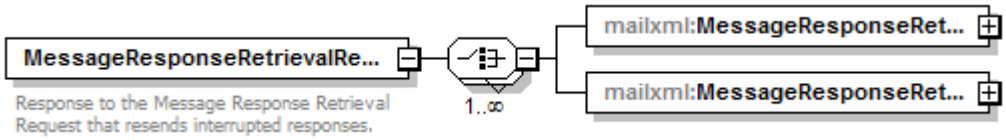
element **MessageResponseRetrievalRequest/MessageResponse**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml:messageResponseRetrievalRequestType**
properties	isRef 0 minOcc 1 maxOcc unbounded content complex

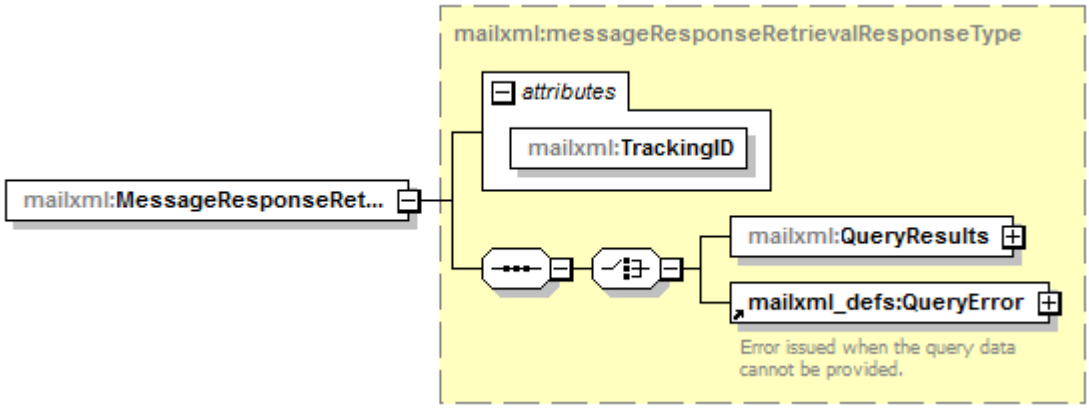
attributes

Name	Type	Use	Default	Fixed	annotation
mailxml:TrackingID	**mailxml_base:s20**	required			

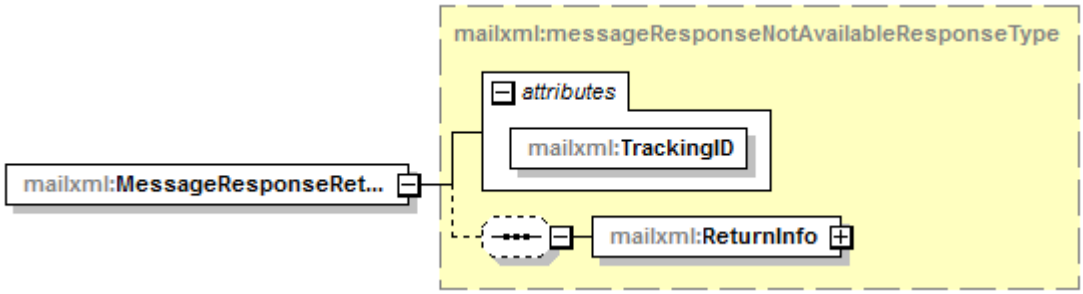
element **MessageResponseRetrievalResponse**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:MessageResponseRetrievalAccept** **mailxml:MessageResponseRetrievalReject**
annotation	documentation Response to the Message Response Retrieval Request that resends interrupted responses.

element **MessageResponseRetrievalResponse/MessageResponseRetrievalAccept**

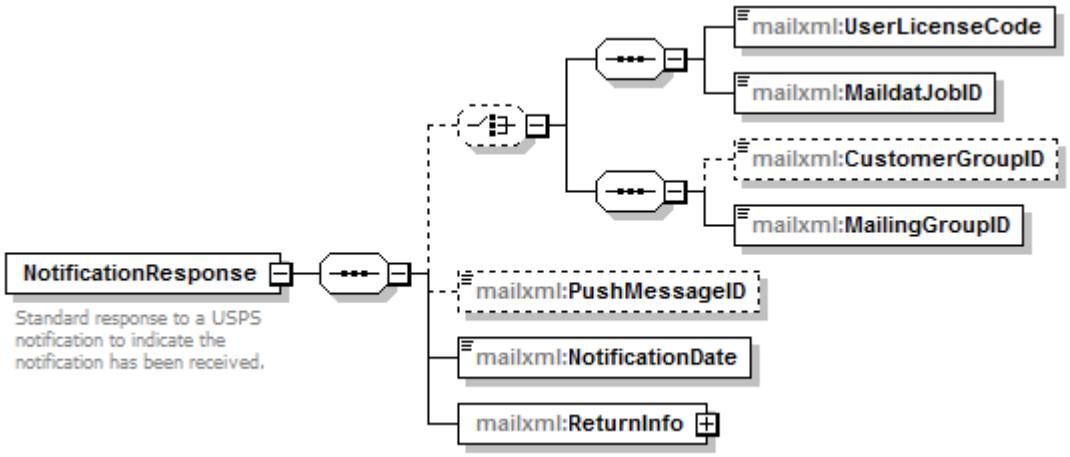
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml:messageResponseRetrievalResponseType**
properties	isRef 0 content complex
children	**mailxml:QueryResults** **mailxml_defs:QueryError**
attributes	Name: mailxml:TrackingID; Type: **mailxml_base:s20**; Use: required; Default; Fixed; annotation

element **MessageResponseRetrievalResponse/MessageResponseRetrievalReject**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml

type	**mailxml:messageResponseNotAvailableResponseType**
properties	isRef 0 content complex
children	**mailxml:ReturnInfo**
attributes	Name / Type / Use / Default / Fixed / annotation mailxml:TrackingID / **mailxml_base:s20** / required

element **NotificationResponse**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:UserLicenseCode** **mailxml:MaildatJobID** **mailxml:CustomerGroupID** **mailxml:MailingGroupID** **mailxml:PushMessageID** **mailxml:NotificationDate** **mailxml:ReturnInfo**
used by	element **messageResponseRetrievalResponseType/QueryResults**
annotation	documentation Standard response to a USPS notification to indicate the notification has been received.

element **NotificationResponse/UserLicenseCode**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:userLicenseCodeType**
properties	isRef 0 content simple
facets	Kind / Value / annotation minLength 1 maxLength 4 whiteSpace preserve

element **NotificationResponse/MaildatJobID**

diagram	mailxml:MaildatJobID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:jobIDType**
properties	isRef 0 content simple
facets	Kind Value annotation minLength 1 maxLength 8 whiteSpace preserve

element **NotificationResponse/CustomerGroupID**

diagram	mailxml:CustomerGroupID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s25**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation minLength 1 maxLength 25 whiteSpace preserve

element **NotificationResponse/MailingGroupID**

diagram	mailxml:MailingGroupID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**xs:nonNegativeInteger**
properties	isRef 0 content simple

element **NotificationResponse/PushMessageID**

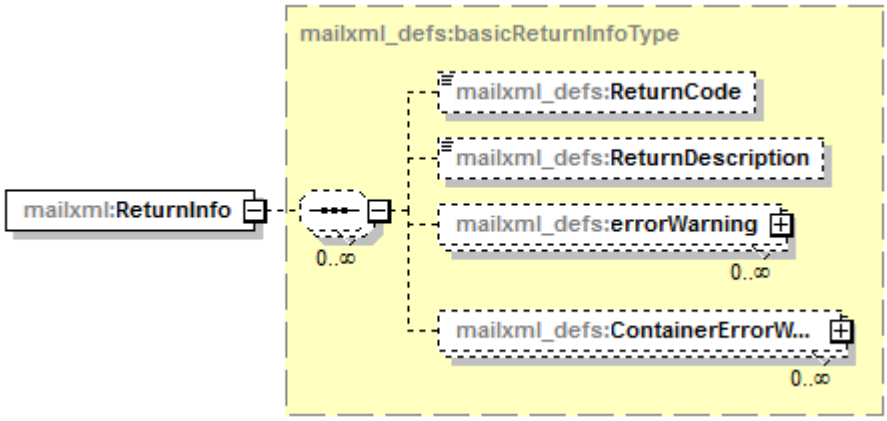
diagram	mailxml:PushMessageID
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s25**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation

	minLength 1 maxLength 25 whiteSpace preserve

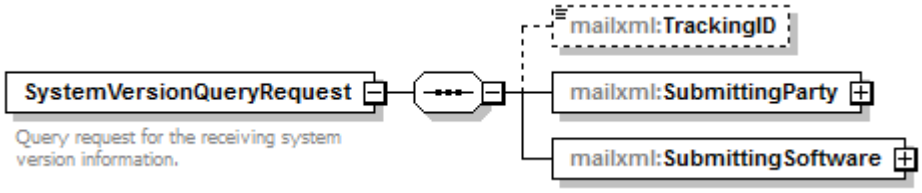
element **NotificationResponse/NotificationDate**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**xs:date**
properties	isRef 0 content simple

element **NotificationResponse/ReturnInfo**

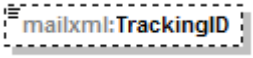
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:basicReturnInfoType**
properties	isRef 0 content complex
children	**mailxml_defs:ReturnCode mailxml_defs:ReturnDescription mailxml_defs:errorWarning mailxml_defs:ContainerErrorWarningBlock**

element **SystemVersionQueryRequest**

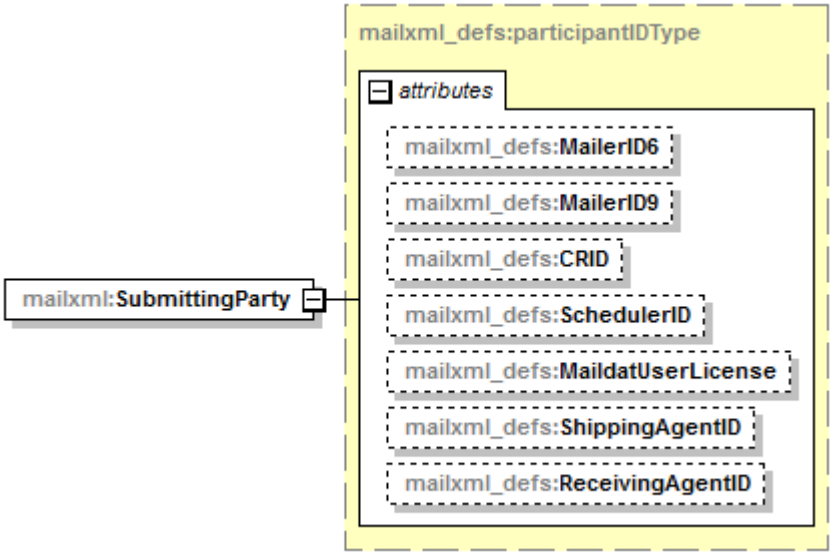
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:TrackingID mailxml:SubmittingParty mailxml:SubmittingSoftware**

annotation	documentation Query request for the receiving system version information.

element **SystemVersionQueryRequest/TrackingID**

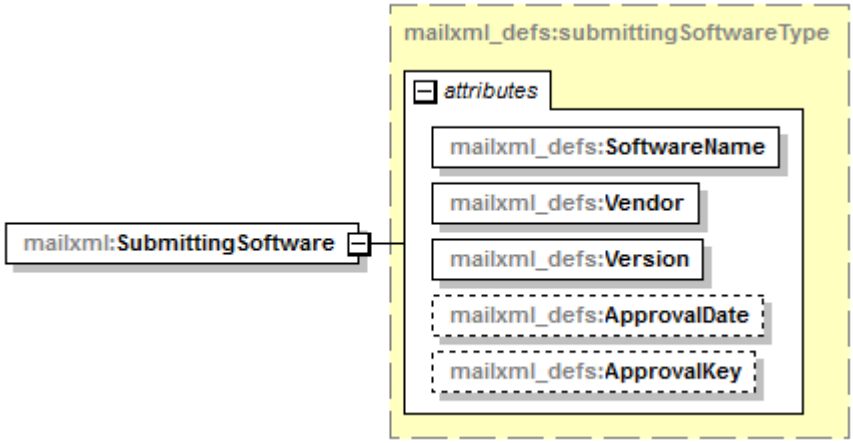
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind / Value / annotation minLength 1 maxLength 20 whiteSpace preserve

element **SystemVersionQueryRequest/SubmittingParty**

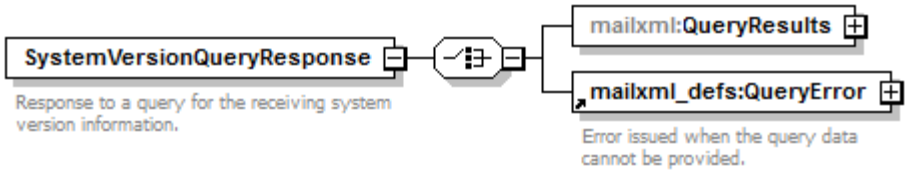
diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:participantIDType**
properties	isRef 0 content complex
attributes	Name / Type / Use / Default / Fixed / annotation mailxml_defs:MailerID6 — **mailxml_base:mailerID6Type** mailxml_defs:MailerID9 — **mailxml_base:mailerID9Type** mailxml_defs:CRID — **mailxml_base:CRIDType** mailxml_defs:SchedulerID — **mailxml_base:s12** mailxml_defs:MaildatUserLicense — **mailxml_base:userLicenseCodeType** mailxml_defs:ShippingAgentID — **mailxml_base:s12**

	mailxml_defs:ReceivingAgentID **mailxml_base:s12**

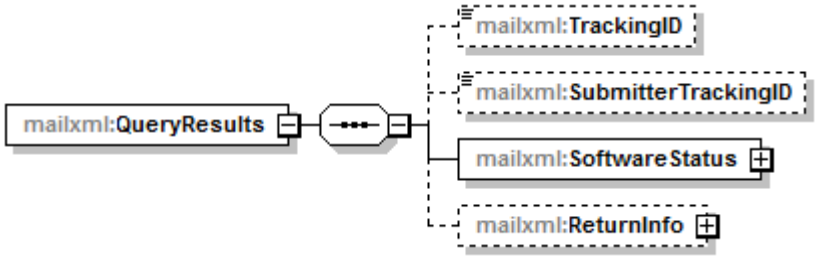
element **SystemVersionQueryRequest/SubmittingSoftware**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:submittingSoftwareType**
properties	isRef 0 content complex
attributes	Name / Type / Use / Default / Fixed / annotation mailxml_defs:SoftwareName **xs:string** required mailxml_defs:Vendor **xs:string** required mailxml_defs:Version **xs:string** required mailxml_defs:ApprovalDate **xs:date** mailxml_defs:ApprovalKey **xs:string**

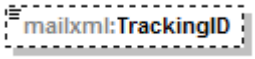
element **SystemVersionQueryResponse**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	content complex
children	**mailxml:QueryResults** **mailxml_defs:QueryError**
used by	element **messageResponseRetrievalResponseType/QueryResults**
annotation	documentation Response to a query for the receiving system version information.

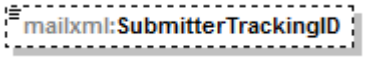
element **SystemVersionQueryResponse/QueryResults**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	isRef 0 content complex
children	**mailxml:TrackingID** **mailxml:SubmitterTrackingID** **mailxml:SoftwareStatus** **mailxml:ReturnInfo**

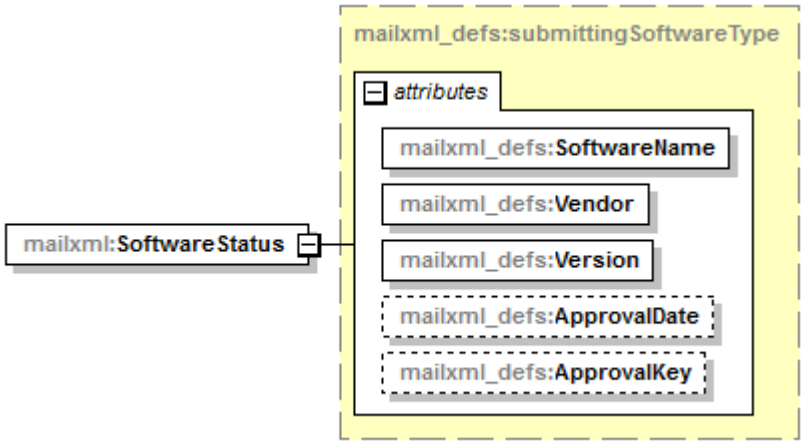
element **SystemVersionQueryResponse/QueryResults/TrackingID**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation minLength 1 maxLength 20 whiteSpace preserve

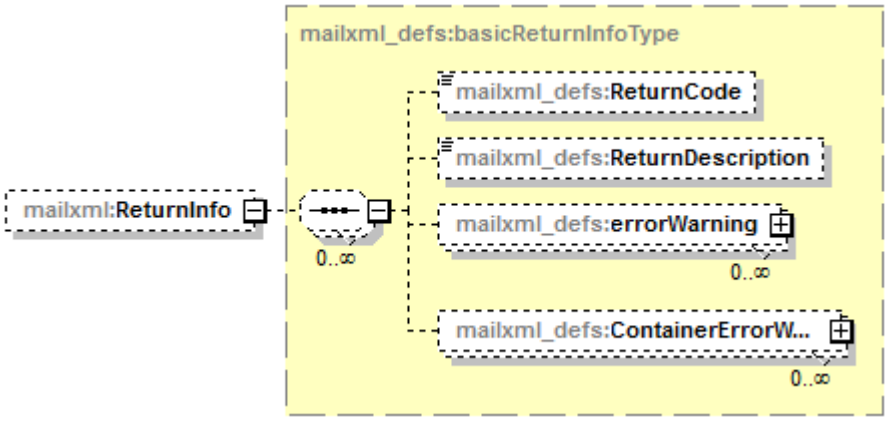
element **SystemVersionQueryResponse/QueryResults/SubmitterTrackingID**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation minLength 1 maxLength 20 whiteSpace preserve

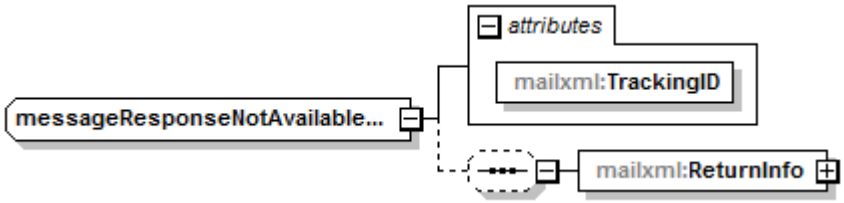
element **SystemVersionQueryResponse/QueryResults/SoftwareStatus**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:submittingSoftwareType**
properties	isRef 0 content complex
attributes	Name / Type / Use / Default / Fixed / annotation mailxml_defs:SoftwareName **xs:string** required mailxml_defs:Vendor **xs:string** required mailxml_defs:Version **xs:string** required mailxml_defs:ApprovalDate **xs:date** mailxml_defs:ApprovalKey **xs:string**

element **SystemVersionQueryResponse/QueryResults/ReturnInfo**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:basicReturnInfoType**
properties	isRef 0 minOcc 0 maxOcc 1 content complex
children	**mailxml_defs:ReturnCode mailxml_defs:ReturnDescription mailxml_defs:errorWarning mailxml_defs:ContainerErrorWarningBlock**

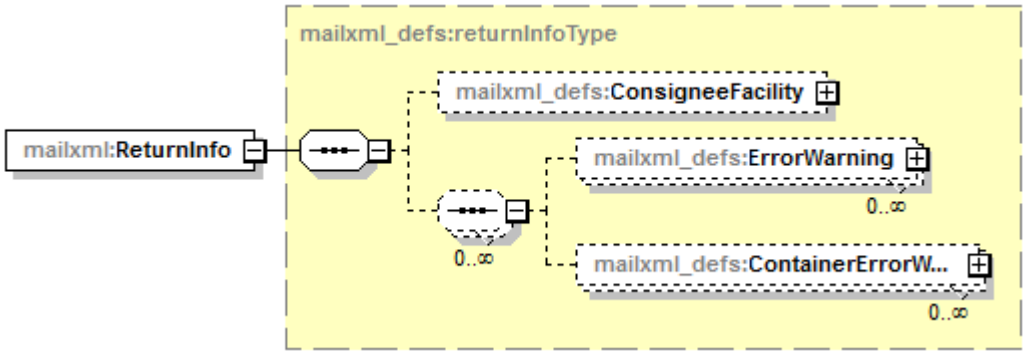
complexType **messageResponseNotAvailableResponseType**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
children	**mailxml:ReturnInfo**
used by	element **MessageResponseRetrievalResponse/MessageResponseRetrievalReject**
attributes	Name: mailxml:TrackingID; Type: **mailxml_base:s20**; Use: required; Default; Fixed; annotation

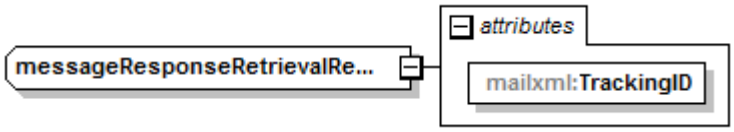
attribute **messageResponseNotAvailableResponseType/@TrackingID**

namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 use required
facets	Kind / Value / annotation minLength 1 maxLength 20 whiteSpace preserve

element **messageResponseNotAvailableResponseType/ReturnInfo**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:returnInfoType**
properties	isRef 0 content complex
children	**mailxml_defs:ConsigneeFacility mailxml_defs:ErrorWarning mailxml_defs:ContainerErrorWarningBlock**

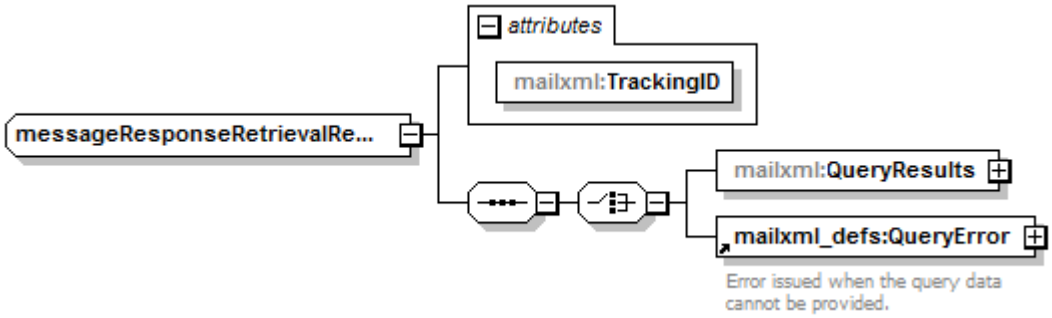
complexType **messageResponseRetrievalRequestType**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
used by	element **MessageResponseRetrievalRequest/MessageResponse**
attributes	Name: mailxml:TrackingID; Type: **mailxml_base:s20**; Use: required; Default; Fixed; annotation

attribute **messageResponseRetrievalRequestType/@TrackingID**

namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 use required
facets	Kind / Value / annotation minLength 1 maxLength 20 whiteSpace preserve

complexType **messageResponseRetrievalResponseType**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
children	**mailxml:QueryResults** **mailxml_defs:QueryError**
used by	element **MessageResponseRetrievalResponse/MessageResponseRetrievalAccept**
attributes	Name: mailxml:TrackingID; Type: **mailxml_base:s20**; Use: required; Default; Fixed; annotation

attribute **messageResponseRetrievalResponseType/@TrackingID**

namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_base:s20**
properties	isRef 0 use required
facets	Kind / Value / annotation minLength 1

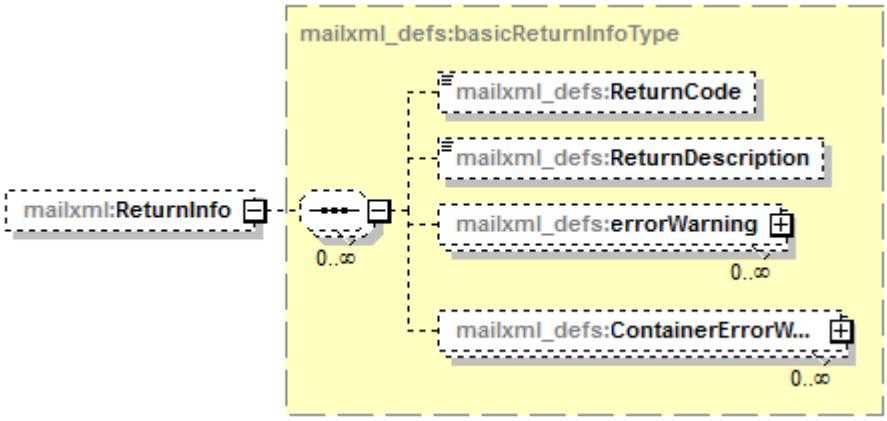
	maxLength	20
	whiteSpace	preserve

element **messageResponseRetrievalResponseType/QueryResults**

diagram	

namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
properties	isRef 0 content complex
children	**mailxml:Fault** **mailxml_tm:AllApptCloseoutResponse mailxml_tm:ApptInductionCloseoutResponse mailxml_tm:CustomerSupplierAgreementQueryResponse mailxml_tm:DeliveryApptCancelCreateResponse mailxml_tm:DeliveryApptCancelResponse mailxml_tm:DeliveryApptContentRemoveResponse mailxml_tm:DeliveryApptCreateResponse mailxml_tm:DeliveryApptQueryResponse mailxml_tm:DeliveryApptShellCancelResponse mailxml_tm:DeliveryApptShellCreateResponse mailxml_tm:DeliveryApptShellUpdateResponse mailxml_tm:DeliveryApptStatusQueryResponse mailxml_tm:DeliveryApptTransportationUpdateResponse mailxml_tm:DeliveryApptUpdateResponse mailxml_tm:DeliveryContentCancelResponse mailxml_tm:DeliveryContentCreateResponse mailxml_tm:DeliveryContentQueryResponse mailxml_tm:DeliveryContentUpdateResponse mailxml_tm:GoodsReceiptResponse mailxml_tm:OpenApptQueryResponse mailxml_tm:PartnerApptQueryResponse mailxml_tm:PartnerContentAssignmentResponse mailxml_tm:PickupApptCancelResponse mailxml_tm:PickupApptCreateResponse mailxml_tm:PickupApptUpdateResponse mailxml_tm:RecurringApptQueryResponse mailxml_tm:StaleContentQueryResponse mailxml_tm:USPSDeliveryContentUpdatedQueryResponse mailxml_dd:ByForConflictQueryResponse mailxml_dd:DeliveryPointValidationQueryResponse mailxml_dd:AddressCorrectionQueryResponse mailxml_dd:DataQualityVerificationReportQueryResponse mailxml_dd:NixieDetailQueryResponse mailxml_dd:NonComplianceDataWithPostageOwedReportQueryResponse mailxml_dd:ScanSTCReconciliationQueryResponse mailxml_iv:ContainerVisibilityQueryResponse mailxml_iv:MPSVisQueryResponse mailxml_iv:StartTheClockQueryResponse mailxml_mm:BeginCombinedMailingResponse mailxml_mm:BundleDetailCancelResponse mailxml_mm:BundleDetailCreateResponse mailxml_mm:CloseMailingGroupResponse mailxml_mm:ComponentQueryResponse mailxml_mm:ComponentUpdateResponse mailxml_mm:ConsolidatedPeriodicalStatementCreateResponse mailxml_mm:ContainerBundleReportCancelResponse mailxml_mm:ContainerBundleReportCreateResponse mailxml_mm:ContainerBundleReportQueryResponse mailxml_mm:ContainerManifestCreateResponse mailxml_mm:ContainerManifestUpdateResponse mailxml_mm:ContainerManifestCancelResponse mailxml_mm:ContainerUpdateResponse mailxml_mm:CustomerMailReportCreateResponse mailxml_mm:EndCombinedMailingResponse mailxml_mm:InternationalPostageStatementCreateResponse mailxml_mm:InternationalPostageStatementQueryResponse mailxml_mm:InvoiceQueryResponse mailxml_mm:MailPieceCancelResponse mailxml_mm:MailPieceCreateResponse mailxml_mm:MailPieceUpdateResponse mailxml_mm:MailingGroupQueryResponse mailxml_mm:ManifestCreateResponse mailxml_mm:ManifestCancelResponse mailxml_mm:ManifestPaymentExtractQueryResponse mailxml_mm:OpenMailingGroupResponse mailxml_mm:PaymentMessageQueryResponse mailxml_mm:PeriodicalStatementCreateResponse mailxml_mm:PeriodicalStatementQueryResponse mailxml_mm:PostageStatementCancelResponse mailxml_mm:PostageStatementCreateResponse mailxml_mm:PostageStatementQueryResponse mailxml_mm:PostageStatementStatusQueryResponse mailxml_mm:QualificationReportCreateResponse mailxml_mm:QualificationReportDetailCreateResponse mailxml_mm:QualificationReportQueryResponse mailxml_mm:QualificationReportSummaryCreateResponse mailxml_mm:ReconciliationReportQueryResponse mailxml_mm:SummaryZipDestinationReportCreateResponse mailxml_mm:TMSDataLoggerQueryResponse mailxml_id:CastofCharactersCancelResponse mailxml_id:CastofCharactersCreateResponse mailxml_id:CastofCharactersUpdateResponse mailxml_id:CustomerRelationIdentifyQueryResponse mailxml_id:CustomerRelationIdentifyUpdateResponse mailxml_id:IncentiveEnrollmentCreateResponse mailxml_id:USPSCRIDCreateValidateResponse mailxml_id:USPSMIDCreateValidateResponse mailxml_sc:ContainerStatusQueryResponse mailxml_sc:OriginalContainerLinkageCancelResponse mailxml_sc:OriginalContainerLinkageCreateResponse mailxml_sc:PostageAdjustmentCreateResponse mailxml_sc:SiblingContainerCancelResponse mailxml_sc:SiblingContainerCreateResponse** **mailxml:DeliveryResponse** **mailxml:NotificationResponse** **mailxml:SystemVersionQueryResponse** **mailxml:ReturnInfo**

element **messageResponseRetrievalResponseType/QueryResults/ReturnInfo**

diagram	
namespace	http://idealliance.org/Specs/mailxml23.0/mailxml
type	**mailxml_defs:basicReturnInfoType**
properties	isRef 0 minOcc 0 maxOcc 1 content complex
children	**mailxml_defs:ReturnCode mailxml_defs:ReturnDescription mailxml_defs:errorWarning mailxml_defs:ContainerErrorWarningBlock**

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