

***Mail.XML Version 24.0***

**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.

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

## About Mail.XML™

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

## What's New in Mail.XML Version 24.0?

With this release, the Mail.XML Messaging Protocol moves to Version 24.0. In addition to minor cleanup, this release supports new elements for Informed Delivery and Informed Platform.

Changes supported by Mail.XML 24.0 include:

- Modify summaryRecordUpdateType (called by ContainerUpdateRequest) increasing the length to 20 for the TruckDispatchNumber and TruckAndDispatchNumber elements
- Modify serviceCodeType removing "RRM" enumeration value for Return Receipt for Merchandise extra service that has already been discontinued
- Changing copyrights and namespaces to reference DTAC, as DTAC is now the owner of the Mail.XML Specification
- Add new USPSCampaignID element to the CampaignData block in order to identify a campaign that originated outside of eDoc

- Add two new elements, InformedAddressIndicator and InformedAddressExpDate, to the QualificationReportSummary (qualificationReportSummaryDataType) to support Informed Address functionality
- Modify ExtraServiceIMPBarcode (in mailPieceBlockType), changing type to intelligentMailPackageBarcodeType, instead of ns34 type
- Modify rateCategoryType adding new enumeration to support Plus One as a permanent product

## 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/mailxml24.0/mailxml" targetNamespace="http://delivery-tech.org/Specs/mailxml24.0/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://delivery-tech.org/Specs/mailxml24.0A/mailxml"` then at least one of the XSDs is at same version such as filename = 'Mail.XML\_24.0A.xsd' <- Errata A
- If the wrapper version is labeled as `xmlns:mailxml="http://delivery-tech.org/Specs/mailxml24.0B/mailxml"` then at least one of the XSDs is at same version such as filename = 'Mail.XML\_24.0B.xsd' <- Errata B
- If the wrapper version is labeled as `xmlns:mailxml="http://delivery-tech.org/Specs/mailxml24.0/mailxml"` then at least one of the XSDs is at same version such as filename = 'Mail.XML\_24.0.xsd' <- Major Version

## Mail.XML 24.0 XSD Modules:

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

Note: Actual xsd filenames include the version number (e.g. *mailxml\_base\_24.0.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 complex types that are used across two or more message types. Namespace=`mailxml_defs`:

- 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™ 24.0: Transportation Messaging Specification documents all transportation messages
- Mail.XML™ 24.0: Mailing Messaging Specification documents all mailing messages
- Mail.XML™ 24.0: Informed Visibility Specification documents all informed visibility messages
- Mail.XML™ 24.0: Data Distribution Messaging Specification documents all data distribution messages
- Mail.XML™ 24.0: Identification Messaging Specification documents all identification messages
- Mail.XML™ 24.0: Supply Chain Messaging Specification documents all supply chain messages
- Mail.XML™ 24.0: System Messaging Specification documents all systems and fault messages
- Mail.XML™ 24.0: Simple Types Specification documents all simple types used across Mail.XML messages
- Mail.XML™ 24.0: Common Definitions Specification documents all shared elements and complex types.
- Mail.XML™ 24.0: Schemas contains the .XSDs that make up the Mail.XML Messaging Specification

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# 1 Index

schema location: [..\XSDs\mailxml\\_iv\\_24.0.xsd](..\XSDs\mailxml_iv_24.0.xsd)  
attribute form default: **qualified**  
element form default: **qualified**  
targetNamespace: [http://delivery-tech.org/Specs/mailxml24.0/mailxml\\_iv](http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv)

## Elements

[ContainerVisibilityDelivery](#)  
[ContainerVisibilityEntry](#)  
[ContainerVisibilityNotification](#)  
[ContainerVisibilityQueryRequest](#)  
[ContainerVisibilityQueryResponse](#)  
[IMbMailpieceScanData](#)  
[MPSVisDelivery](#)  
[MPSVisNotification](#)  
[MPSVisQueryRequest](#)  
[MPSVisQueryResponse](#)  
[StartTheClockBMEUBlock](#)  
[StartTheClockDelivery](#)  
[StartTheClockDropShipOrOrigin](#)  
[StartTheClockNotification](#)  
[StartTheClockPlantLoadBlock](#)  
[StartTheClockQueryRequest](#)  
[StartTheClockQueryResponse](#)

## Complex types

[clockStartedType](#)  
[manifestScanEventDetailType](#)  
[manifestScanNotificationDataType](#)  
[manifestScanQueryType](#)  
[MPSNotificationDataType](#)  
[MPSRequestTypeType](#)  
[MPSVisScanQueryType](#)  
[PSRBlockType](#)  
[scanEventQueryTypeType](#)  
[ScanEventResultOptionsType](#)

## Simple types

[eDocTypeType](#)  
[handlingEventTypeType](#)  
[mailObjectTypeType](#)  
[recipientRoleType](#)  
[scanEventCodeType](#)

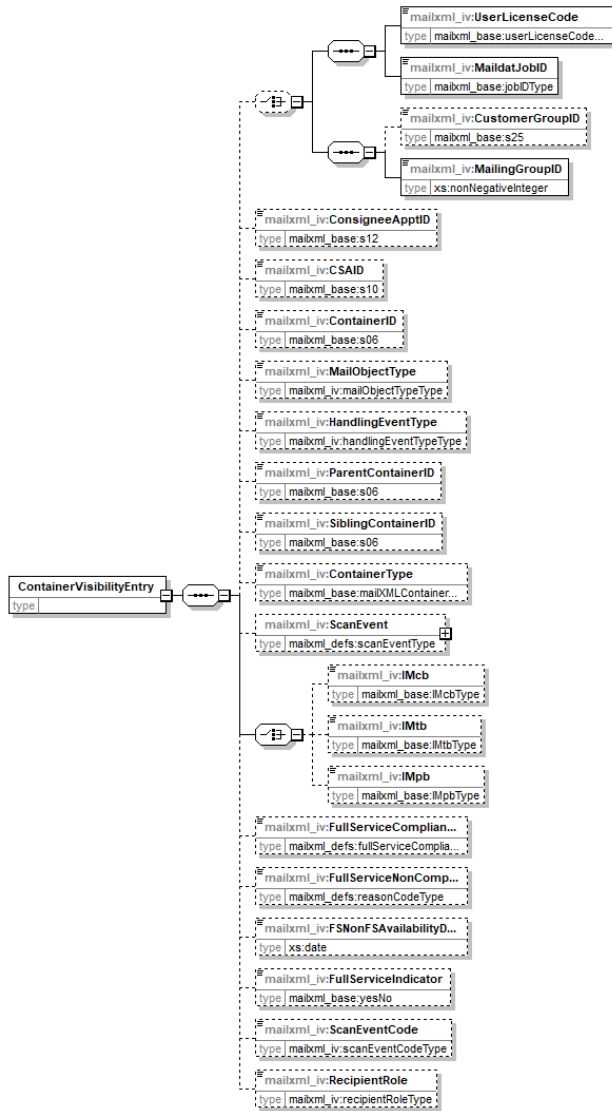
## 2 Elements

### element **ContainerVisibilityDelivery**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_defs:DataRecipient</b> <b>mailxml_iv:PushMessageID</b> <a href="#">mailxml_iv:ContainerVisibilityEntry</a>
annotation	documentation Delivery of full service container visibility information by uSPS.

## element ContainerVisibilityEntry

diagram



namespace [http://delivery-tech.org/Specs/mailxml24.0/mailxml\\_iv](http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv)

children **mailxml\_iv:UserLicenseCode** **mailxml\_iv:MaidatJobID** **mailxml\_iv:CustomerGroupID** **mailxml\_iv:MailingGroupID** **mailxml\_iv:ConsigneeApptID** **mailxml\_iv:CSAID** **mailxml\_iv:ContainerID** **mailxml\_iv:MailObjectType** **mailxml\_iv:HandlingEventType** **mailxml\_iv:ParentContainerID** **mailxml\_iv:SiblingContainerID** **mailxml\_iv:ContainerType** **mailxml\_iv:ScanEvent** **mailxml\_iv:IMcb** **mailxml\_iv:IMtb** **mailxml\_iv:IMpb** **mailxml\_iv:FullServiceComplianceIndicator** **mailxml\_iv:FullServiceNonComplianceReasonCode** **mailxml\_iv:FSNonFSAAvailabilityDate** **mailxml\_iv:FullServiceIndicator** **mailxml\_iv:ScanEventCode** **mailxml\_iv:RecipientRole**

used by elements [ContainerVisibilityDelivery](#) [ContainerVisibilityQueryResponse/QueryResults](#)

## element ContainerVisibilityNotification

diagram	<p><b>ContainerVisibilityNotification</b> type mailxml_base:ContainerVisibilityNotification</p> <p>Notification sent by USPS that full service container visibility information is ready for pickup.</p> <p>Children and their types:</p> <ul style="list-style-type: none"> <li>mailxml_iv:SubmittingParty (type mailxml_defs:participantIDType)</li> <li>mailxml_iv:SubmittingSoftware (type mailxml_defs:submittingSoftwareType)</li> <li>mailxml_iv:PushMessageID (type mailxml_base:s25)</li> <li>mailxml_iv:UserLicenseCode (type mailxml_base:userLicenseCodeType) OR mailxml_iv:MaildatJobID (type mailxml_base:jobIDType)</li> <li>mailxml_iv:CustomerGroupID (type mailxml_base:s25) OR mailxml_iv:MailingGroupID (type xs:nonNegativeInteger)</li> <li>mailxml_iv:FSNonFSAAvailabilityDate (type xs:date)</li> <li>mailxml_iv:AvailableRecordCount (type xs:nonNegativeInteger) OR mailxml_iv:CountType (type mailxml_defs:countTypeType)</li> <li>mailxml_iv:NotificationDate (type xs:date)</li> </ul>
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_iv:PushMessageID</b> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:FSNonFSAAvailabilityDate</b> <b>mailxml_iv:AvailableRecordCount</b> <b>mailxml_iv:CountType</b> <b>mailxml_iv:NotificationDate</b>
annotation	documentation Notification sent by USPS that full service container visibility information is ready for pickup.

## element ContainerVisibilityQueryRequest

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_iv:SubmitterTrackingID</b> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:DateRange</b> <b>mailxml_iv:ConsigneeApptID</b> <b>mailxml_iv:CSAID</b> <b>mailxml_iv:IMcb</b> <b>mailxml_iv:IMtb</b> <b>mailxml_iv:IMpb</b> <b>mailxml_iv:USPSFacilityLocaleKey</b> <b>mailxml_iv:ContainerScanState</b> <b>mailxml_iv:retrieveDataBy</b> <b>mailxml_iv:MailObjectType</b> <b>mailxml_iv:HandlingEventType</b> <b>mailxml_iv:ScanEventCode</b> <b>mailxml_iv:RecipientRole</b>
annotation	documentation Query request for for full service container visibility information.

## element ContainerVisibilityQueryResponse

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:TrackingID mailxml_iv:SubmitterTrackingID mailxml_iv:QueryResults mailxml_defs:QueryError
annotation	<p>documentation</p> <p>Response to the Query request for for full service container visibility information.</p>

## element IMbMailpieceScanData

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

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:MailBundleCount</b> <b>mailxml_iv:MPSCount</b> <b>mailxml_iv:IMcbAndIMtbPieceScanInfo</b> <b>mailxml_iv:IMcbPieceScanInfo</b> <b>mailxml_iv:IMtbPieceScanInfo</b> <b>mailxml_iv:IMbScanRec</b>
used by	elements <b>MPSVisQueryResponse/QueryResults</b> <a href="#">MPSVisDelivery</a>

## element MPSVisDelivery

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_iv:AssumedScans</b> <b>mailxml_iv:eDocType</b> <b>mailxml_defs:DataRecipient</b> <b>mailxml_iv:PushMessageID</b> <a href="#">mailxml_iv:IMbMailpieceScanData</a> <b>mailxml_iv:ManifestScanEvent</b> <b>mailxml_iv:UnManifestedScanEventDetail</b>
annotation	documentation Delivery of the Mail Piece Scanned Data to customer by USPS.

## element MPSVisNotification

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_iv:AssumedScans</b> <b>mailxml_iv:eDocType</b> <b>mailxml_defs:DataRecipient</b> <b>mailxml_iv:PushMessageID</b> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:AvailableRecordCount</b> <b>mailxml_iv:NotificationDate</b> <b>mailxml_iv:MPSNotificationData</b> <b>mailxml_iv:ManifestScanNotification</b>
annotation	documentation Notification from USPS that the Mail Piece Scanned Data is ready.

## element MPSVisQueryRequest

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

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:SubmittingParty mailxml_iv:SubmittingSoftware mailxml_iv:SubmitterTrackingID mailxml_iv:ManifestScanQuery mailxml_iv:MPSVisScanQueryType mailxml_iv:RetrieveDataBy

### element **MPSVisQueryResponse**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:TrackingID mailxml_iv:SubmitterTrackingID mailxml_iv:eDocType mailxml_iv:QueryResults mailxml_defs:QueryError

### element **StartTheClockBMEUBlock**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:StartTheClockBMEU
used by	complexType <a href="#">clockStartedType</a>

## element **StartTheClockDelivery**

diagram	<p>The diagram illustrates the structure of the <b>StartTheClockDelivery</b> element. It is a sequence of five child elements, all of which are optional (indicated by a circle with a plus sign). The first four elements are grouped together in a dashed box, and the fifth element is in a separate box. The sequence is indicated by a line with a circle and a plus sign, and a cardinality of 1..∞ is shown at the bottom.</p> <ul style="list-style-type: none"> <li><b>mailxml_iv:SubmittingParty</b> (type <code>mailxml_defs:participantIDType</code>)</li> <li><b>mailxml_iv:SubmittingSoftware</b> (type <code>mailxml_defs:submittingSoftwa...</code>)</li> <li><b>mailxml_defs:DataRecipient</b> (type <code></code>)</li> <li><b>mailxml_iv:PushMessageID</b> (type <code>mailxml_base:s25</code>)</li> <li><b>mailxml_iv:ClockStarted</b> (type <code>mailxml_iv:clockStartedType</code>)</li> </ul>
namespace	<a href="http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv">http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv</a>
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_defs:DataRecipient</b> <b>mailxml_iv:PushMessageID</b> <b>mailxml_iv:ClockStarted</b>
annotation	<p>documentation</p> <p>Delivery of start the clock information to customer by USPS.</p>

element **StartTheClockDropShipOrOrigin**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MailJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:ConsigneeApptID</b> <b>mailxml_iv:CSADispatchNumber</b> <b>mailxml_iv:PublicationNumber</b> <b>mailxml_iv:MailClass</b> <b>mailxml_iv:ProcessingCategory</b> <b>mailxml_iv:DropShipYesNo</b> <b>mailxml_iv:UspsFacilityName</b> <b>mailxml_iv:UspsFacilityLocaleKey</b> <b>mailxml_iv:City</b> <b>mailxml_iv:State</b> <b>mailxml_iv:ApptDateTime</b> <b>mailxml_iv:ArrivalDateTime</b> <b>mailxml_iv:UnloadStartDateTime</b> <b>mailxml_iv:UnloadEndDateTime</b> <b>mailxml_iv:ApptStatus</b> <b>mailxml_iv:StartTheClockDate</b> <b>mailxml_iv:FullServiceComplianceIndicator</b> <b>mailxml_iv:FullServiceNonComplianceReasonCode</b> <b>mailxml_iv:FSNonFSAvailabilityDate</b> <b>mailxml_iv:FullServiceIndicator</b> <b>mailxml_iv:ContainerID</b> <b>mailxml_iv:ContainerType</b> <b>mailxml_iv:IMcb</b> <b>mailxml_iv:IMtb</b> <b>mailxml_iv:IMpb</b>
used by	element <b>clockStartedType/StartTheClockDropShipOrOriginBlock</b>

## element **StartTheClockNotification**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_defs:DataRecipient</b> <b>mailxml_iv:PushMessageID</b> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:FSNonFSAvailabilityDate</b> <b>mailxml_iv:NotificationDate</b>
annotation	documentation Notification from USPS that start the clock information is ready to be picked up.

## element **StartTheClockPlantLoadBlock**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:StartTheClockPlantLoad</b>
used by	complexType <a href="#">clockStartedType</a>

## element **StartTheClockQueryRequest**

diagram	<p><b>StartTheClockQueryRequest</b> type</p> <p>Query request for start the clock information.</p> <p>mailxml_iv:SubmittingParty type mailxml_defs:participantIDType</p> <p>mailxml_iv:SubmittingSoftware type mailxml_defs:submittingSoftwa...</p> <p>mailxml_iv:SubmitterTrackingID type mailxml_base:s20</p> <p>mailxml_iv:ConsigneeApptID type mailxml_base:s12</p> <p>mailxml_iv:CSADispatchNumber type mailxml_base:s10</p> <p>mailxml_iv:UserLicenseCode type mailxml_base:userLicenseCode...</p> <p>mailxml_iv:MaildatJobID type mailxml_base:jobIDType</p> <p>mailxml_iv:CustomerGroupID type mailxml_base:s25</p> <p>mailxml_iv:MailingGroupID type xs:nonNegativeInteger</p> <p>mailxml_iv:CustomerAccount type mailxml_defs:permitPublication...</p> <p>mailxml_iv:LowerDateRange type xs:date</p> <p>mailxml_iv:UpperDateRange type xs:date</p> <p>mailxml_iv:retrieveDataBy type mailxml_defs:retrieveDataByType</p>
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:SubmittingParty</b> <b>mailxml_iv:SubmittingSoftware</b> <b>mailxml_iv:SubmitterTrackingID</b> <b>mailxml_iv:ConsigneeApptID</b> <b>mailxml_iv:CSADispatchNumber</b> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:CustomerAccount</b> <b>mailxml_iv:LowerDateRange</b> <b>mailxml_iv:UpperDateRange</b> <b>mailxml_iv:retrieveDataBy</b>
annotation	documentation Query request for start the clock information.

## element StartTheClockQueryResponse

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:TrackingID mailxml_iv:SubmitterTrackingID mailxml_iv:QueryResults mailxml_defs:QueryError
annotation	documentation Response to the query for start the clock information.

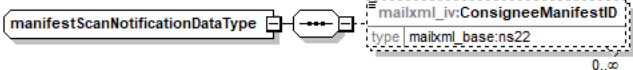
## complexType clockStartedType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<a href="#">mailxml_iv:StartTheClockBMEUBlock</a> <a href="#">mailxml_iv:StartTheClockDropShipOrOriginBlock</a> <a href="#">mailxml_iv:StartTheClockPlantLoadBlock</a>
used by	elements StartTheClockDelivery/ClockStarted StartTheClockQueryResponse/QueryResults/ClockStarted


# complexType manifestScanEventDetailType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:USPSEventExtractFileVersionNumber mailxml_iv:IMpb mailxml_iv:ElectronicFileNumber mailxml_iv:MailerID mailxml_iv:MailerName mailxml_iv:DestinationZipCode mailxml_iv:DestinationZipPlusFour mailxml_iv:ScanningFacilityZip mailxml_iv:ScanningFacilityName mailxml_iv:EventCode mailxml_iv:EventName mailxml_iv:EventDate mailxml_iv:EventTime mailxml_iv:MailerOwnerID mailxml_iv:CustomerReferenceID mailxml_iv:DestinationCountryCode mailxml_iv:RecipientName mailxml_iv:OriginalLabel mailxml_iv:UnitofMeasureCode mailxml_iv:Weight mailxml_iv:GuaranteedDeliveryDate mailxml_iv:GuaranteedDeliveryTime mailxml_iv:LogisticsManagerMailerID
used by	elements    MPSVisDelivery/ManifestScanEvent/ManifestScanEventDetail MPSVisQueryResponse/QueryResults/ManifestScanEvent/ManifestScanEventDetail MPSVisDelivery/UnManifestedScanEventDetail MPSVisQueryResponse/QueryResults/UnManifestedScanEventDetail

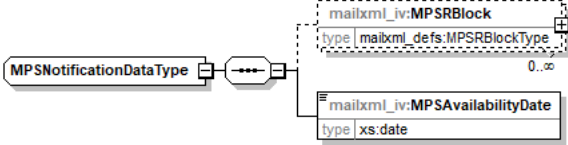
### complexType manifestScanNotificationDataType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:ConsigneeManifestID</b>
used by	element <b>MPSVisNotification/ManifestScanNotification</b>

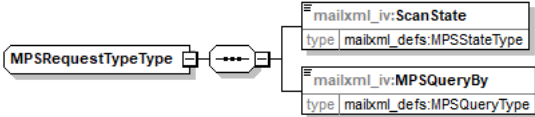
### complexType manifestScanQueryType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:ConsigneeManifestID</b>
used by	element <b>MPSVisQueryRequest/ManifestScanQuery</b>

### complexType MPSNotificationDataType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:MPSRBlock</b> <b>mailxml_iv:MPSAvailabilityDate</b>
used by	element <b>MPSVisNotification/MPSNotificationData</b>

### complexType MPSRequestTypeType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:ScanState</b> <b>mailxml_iv:MPSQueryBy</b>

# complexType **MPSVisScanQueryType**

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b> <b>mailxml_iv:ResultOptions</b> <b>mailxml_iv:RangeLowerDate</b> <b>mailxml_iv:RangeUpperDate</b> <b>mailxml_iv:MID6OnThePiece</b> <b>mailxml_iv:MID9OnThePiece</b> <b>mailxml_iv:FacilityLocaleKey</b> <b>mailxml_iv:EventType</b> <b>mailxml_iv:BundleScanType</b> <b>mailxml_iv:IMcb</b> <b>mailxml_iv:IMtb</b> <b>mailxml_iv:IMB</b> <b>mailxml_iv:BundleID</b> <b>mailxml_iv:FieldIncludedScanRecFlag</b>
used by	element <b>MPSVisQueryRequest/MPSVisScanQueryType</b>

# complexType **PSRBlockType**

diagram	<pre> xsd:complexType name="PSRBlockType" base="base"&gt;   <xsd:sequence>     <xsd:element name="PRID" type="s22"></xsd:element>     <xsd:element name="IMBLS" type=""></xsd:element>     <xsd:element name="IMBUS" type=""></xsd:element>     <xsd:choice>       <xsd:element name="STCode" type="ServiceTypeCode..."></xsd:element>       <xsd:element name="Class" type="mailClassType"></xsd:element>     </xsd:choice>     <xsd:element name="SLI" type="serviceLevelIndic..."></xsd:element>   </xsd:sequence>  </pre>
namespace	<a href="http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv">http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv</a>
children	<b>mailxml_iv:PRID mailxml_iv:IMBLS mailxml_iv:IMBUS mailxml_iv:STCode mailxml_iv:Class mailxml_iv:SLI</b>

# complexType scanEventQueryTypeType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	<p> <b>mailxml_iv:UserLicenseCode</b> <b>mailxml_iv:MaildatJobID</b> <b>mailxml_iv:CustomerGroupID</b> <b>mailxml_iv:MailingGroupID</b>  <b>mailxml_iv:ResultOptions</b> <b>mailxml_iv:RangeLowerDate</b> <b>mailxml_iv:RangeUpperDate</b> <b>mailxml_iv:MID6OnThePiece</b>  <b>mailxml_iv:MID9OnThePiece</b> <b>mailxml_iv:FacilityLocaleKey</b> <b>mailxml_iv:EventType</b> <b>mailxml_iv:BundleScanType</b>  <b>mailxml_iv:IMcb</b> <b>mailxml_iv:IMtb</b> <b>mailxml_iv:IMB</b> <b>mailxml_iv:BundleID</b> <b>mailxml_iv:FieldIncludedScanRecFlag</b> </p>

### complexType ScanEventResultOptionsType

diagram	
namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
children	mailxml_iv:IMcb mailxml_iv:IMtb mailxml_iv:IMB mailxml_iv:IMpb
used by	element scanEventQueryType/ResultOptions

### simpleType eDocType

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
type	restriction of <b>xs:string</b>
used by	elements MPSVisDelivery/eDocType MPSVisNotification/eDocType MPSVisQueryResponse/eDocType

### simpleType handlingEventType

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
type	restriction of <b>xs:string</b>
used by	elements ContainerVisibilityQueryRequest/HandlingEventType ContainerVisibilityEntry/HandlingEventType

### simpleType mailObjectType

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
type	restriction of <b>xs:string</b>
used by	elements ContainerVisibilityQueryRequest/MailObjectType ContainerVisibilityEntry/MailObjectType

### simpleType recipientRoleType

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
type	restriction of <b>xs:string</b>
used by	elements ContainerVisibilityQueryRequest/RecipientRole ContainerVisibilityEntry/RecipientRole

### simpleType scanEventCodeType

namespace	http://delivery-tech.org/Specs/mailxml24.0/mailxml_iv
type	restriction of <b>xs:string</b>
used by	elements ContainerVisibilityQueryRequest/ScanEventCode ContainerVisibilityEntry/ScanEventCode

