Postal Service Mail.XML Technical Specification

For

Profiles and Full-Service Feedback

November 2011 Release

Version 1.0.0

Prepared by
United States Postal Service

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Please note that the requirements in this document related to the price change in January 2012 are subject to change at any time up to the scheduled implementation date.

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Document Change History

These are the changes from RIBBS Version 9.3.8 (Aug 9, 2011) for release 29 (Jan 8) to RIBBS Version 9.3.8 (Aug 9, 2011).

These changes are being implemented to contribute to the goal of breaking down and editing the Postal Service Mail.XML technical specifications by Mail.XML supported versions to facilitate editing and enhance readability and navigation throughout the document.
In addition, to easier navigation, some sections such as the appendixes have been reorganized.

Previously the technical specifications were just divided by function (eDoc, Data Distribution, FAST). In that scheme, all supported Mail.XML for each release were all combined in one technical specification per function release. i.e. For Release 28 (November 2011) the Mail.XML eDoc technical specification included the supported Mail.XML versions 9.0B, 9.0C and 10.0C, as while the FAST technical specification containing Mail.XML 8.0B and 10.0 versions.
This approach resulted sometimes in bulky document that became difficult to edit, manage or read as with documents mounting up to sometimes 1000 pages.

With the new editing process, the technical guides are edited focusing on the Mail.XML supported version per function.
For instance, the FAST guide supporting Mail.XML 8.0B and 10.0 versions will have two different sub-Technical specifications for Release 29 (January 2012).

Each technical specification will also group all Mail.XML version and their respective supported errata versions.
For instance, 9.0B and 9.0C supported in eDoc technical specification for Release 28 are combined in one document since they are errata for Mail.XML 9.0. However if Mail.XML 8.0B and 8.1 were supported, they would have been in two different documents since they are not of the same Mail.XML version.
By convention, Mail.XML version name containing a letter, such as 7.0C, 9.0B, 10.0A are considered errata.
In contrast, Mail.XML 8.0 and 8.1 are considered two different versions.

Editor	Date	Section #	Title	Description
Mema Bamba	9/07/2011	6.0	Appendix B – Mail.XML 10.0A Simple Types Data Structure	Updated the rateCateoryType and DMLType, and mail.XMLContainerType based on Mail.XML 10.0A CRs as of 9/05/2011
Mema Bamba	9/01/2011		Change History	Added a new column “Date” to the table of Change History to record the dates of implemented changes.
Mema Bamba	8/31/2011	5.0	Appendix A	Added new headers to the tables of Complex and Attribute Data Types Data Structure for Mail.XML 10.0A
Mema Bamba	8/31/2011	5.0	Appendix A	Added new headers to the tables of Complex and Attribute Data Types Data Structure for Mail.XML 10.0A
Mema Bamba	8/31/2011	4.0	Mail.XML 10.0A Data Feedback and Profile Management and	Added headers to the table of Mail.XML 10.0A messages

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Editor	Date	Section #	Title	Description
			Miscellaneous Messages	
Mema Bamba	8/31/2011	4.0	Mail.XML 10.0A Data Feedback and Profile Management and Miscellaneous Messages	Added headers to the table of Mail.XML 10.0A messages
Mema Bamba	8/31/2011	5.0,6.0,7.0	Appendix A, B, C	Reorganized the appendixes order
Mema Bamba	8/24/2011		Footer	Updated the footer to include USPS® – Postal Service Mail.XML 10.0A Technical Specification Version 1.0
Mema Bamba	8/24/2011	All		Extracted Mail.XML Technical Specification from the previous Data Distribution Technical Specification submitted on RIBBS on August 9, 2011

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1. Postal Service Mail.XML Technical Specification

1.1 Program Overview

The *PostalOne!*® system is an electronic suite of services being developed for business mailers by the United States Postal Service® to improve the mailing process. The system takes advantage of the advances in technology and leverages them to continuously improve and simplify the mailing experience. Customers can electronically send detailed information to PostalOne! system using the mailing industry's standardized Mail.XML™ format. Mail.XML is an XML-based IDEAlliance® specification for web services. Web services use simple HTTP(s) protocols to communicate data over the Internet, bypassing technology-specific restrictions and avoiding network-related security rules. See the IDEAlliance Mail.XML specifications at http://www.idealliance.org

All business functions supported by the USPS as part of the Mail.XML implementation are based on SOA (Services Oriented Architecture). This architecture enables a mailer's software to manage the data transactions to query, create, update, and cancel various data sets representing business functions and subscription model. Additionally, mailers' software is able to receive synchronous and asynchronous transactions through Web Services protocol from the USPS in support of the just-in-time communication architecture.

The Postal Service's implementation of Mail.XML is a complements Mail.dat. Mailers using Mail.dat can continue to use it as a database, but can use Mail.XML for communication and automation of business to business processing. Mail.XML allows business function-specific communication and faster change management processes with little to no impact to other service providers. For example, you can add optional fields or new messages without requiring software in the mailing supply chain to change.

Mail.XML allows the support of electronic documentation and end-to-end mailing supply chain business process management for a multitude of business processes, including qualification reports, container and bundle reports, spoilage, eInduction, containerization nesting, postage statements, postage adjustments, postage status query information, piece detail, piece ranging, and many other business process related communications. Mail.XML also provides the ability to electronically access USPS full-service data and to perform business functions related to full-service. Mail.XML supports copalletization, mixed mailing, manifest mailing, and business processes specific to MLOCR and continuous mailing environments.

One fundamental difference between the Mail.dat files and Mail.XML messages is the information content. For example, for qualification reports and postage statements Mail.dat calculates from the raw data in several Mail.dat files, the copies and pieces at each price level in the qualification report and the postage statements. This sometimes leads to round-off differences as compared to qualification reports and postage statements calculated by the mailer using the same Mail.dat file. In Mail.XML, the mailer provides the numbers of copies and pieces for each price level directly and there are less round-off errors.

The *Postal Service Mail.XML Technical Specification*, is documented by subject matter into the following volumes:

- *Postal Service Mail.XML Technical Specification for Postage Payment & Reporting (eDoc)*
- *Postal Service Mail.XML Technical Specification for Appointment Scheduling (FAST)*
- *Postal Service Mail.XML Technical Specification for Profiles & Full-Service Feedback*

This document focuses solely on the data distribution message functionalities for full-service data.

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Mail.XML 10.0A

Mail.XML 10.0is a major release that corrects technical errors from the previous Mail.XML versions and introduces the schema modularization in an effort to streamline and modernize the USPS automation vision for 2011.

The Data Distribution system will continue to support Mail.XML 8.1. In Mail.XML 8.1, the messages in XSDs are tightly coupled to one main XSD and one base XSD. The main XSD covers all of the message sets of the eDoc, FAST, and Data Distribution. This tight coupling requires users to validate the complete XSD. In contrast, the introduction of modularization in Mail.XML 9.X and onwards, are designed to be stand-alone modules, which enables users to develop and validate one or more message sets without the hassle of validating the entire Mail.XML specification. For instance, a developer, implementing only the Data Distribution messages will only validate the DD XSDs and will ignore the eDoc and FAST XSDs.

Lastly, the changes or updates in Mail.XML 10.0Aspecifications are **not backward compatible** with previous versions of Mail.XML for Data Distribution i.e. v7.0C, v8.0B, 8.1.

Mail.XML 8.1 Change History

The Postal Service has made numerous changes In Mail.XML Version 8.1 to fix technical errors in previous Mail.XML versions. In addition, unused simple/complex types were removed, and new values were added to align the Mail.XML with the Mail.dat functionalities. The USPS system will continue to support all messages supported in previous Mail.XML versions pertaining to Profiles and full-service feedback functionalities.

1.2 General XML and Web Services Information

XML
XML stands for eXtensible Markup Language and it is designed to transport and store data. For general information on XML, please visit http://www.w3schools.com/xml/default.asp
XSD
An XSD is the XML Schema that describes the structure of an XML document. For general information on XSD, please visit http://www.w3schools.com/Schema/default.asp

Web Service
A Web Service is a feature that converts your software into internet-based software and publishes its functions/message to the users of the internet. For general information on Web Services, please visit:
http://www.w3schools.com/webservices/default.asp
http://www.w3schools.com/wsdl/default.asp
http://www.w3schools.com/soap/default.asp

1.3 About Schema Modularization

From Mail.XML 9.X and onward publications, Mail.XML messages will be grouped into six sets:

- Transportation Messages
- Mailing Messages
- Data Distribution Messages
- Identification Messages
- Supply Chain Messages
- System Messages

The underlying schemas have been modularized to reflect these distinct message sets. Additionally, three “shared” or “common” schemas have been developed and they are:

1. One stores simple Mail.XML Mailing Message Specification type definitions that can be shared across message sets.

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2. A second common module is made up of common elements and complex types that are shared across two or more message sets.
3. The final common module is made up of system messages and the attributes, elements and complex types that are *unique* to these messages.

Mail.XML schema modules are designed to stand alone, separated by business functions, enabling those interested in one or more message sets to develop and validate just those message sets without the requirement to address the entire Mail.XML specification. Each module will validate by itself or in combination with all other message sets when the entire Mail.XML Specification is considered. In addition, each module will be versioned separately.

Version numbers are contained within the namespace designation. Modules will be documented individually as well.

The following Mail.XML XSD modules/namespaces have been developed:

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

- **mailxml_dd.xsd**: This module contains all the data distribution messages with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_dd***

- **mailxml_id.xsd**: This module contains all the identification messages (CRID, MID etc.) with their 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 (Cross-functional container based and other Mail.dat/mail.XML update functions) with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_sc***

- **mailxml.xsd**: This module contains all the system messages with their attributes, elements and complex types that are *unique* to these messages. Note that in order for the MessageResponseRetrievalResponse to work, all the other message modules are included by the system.xsd. ***Namespace=mailxml***

- **mailxml_defs.xsd**: This module contains all the common definitions of attributes, elements and complex types that are used across one or more message types. **Namespace=mailxml_defs**

- **mailxml_base.xsd**: This module contains all the simple types that are used everywhere in the mailxml. These simple types are associated with every element of each message. ***Namespace=mailxml_base***

1.4 What Schemas Cover Data Distribution Functionality?

With the breakdown of XSD into multiple schemas – the Data Distribution functionality will be covered by mailxml_dd.xsd module and mailxml_id.xsd.

In addition to the above modules, mailxml_base.xsd and mailxml_defs are common/shared XSD that will be referred by each of these individual Data Distribution specific modules.

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Lastly, mailxml.xsd module will be the source XSD that will connect all messages to their system level attributes. For example – MessageResponseRetrievalResponse is shared attribute/complex type associated to almost every single Mail.XML message regardless of whether it is a Data Distribution functionality or FAST or eDoc functionality. The other examples are DeliveryResponse, NotificationResponse, Fault, etc.

1.5 USPS® Limitation Rule on Transaction Requests

USPS has recently encountered unordinary high volume with specific Mail.XML transactions by FAST and Full-service Data Distribution users, which is causing a serious performance impact on several USPS servers that deal with authorization of all of the Mail.XML transactions.

The Postal Service is requiring that the USPS Mail.XML customers update their Mail.XML software to query the USPS *PostalOne!*/FAST and Data Distribution systems no more than seven times per hour. Similarly, USPS customers are encouraged to avoid setting up their web services pull software to query the *PostalOne!* servers no more than 200 times in a given 24-hour period for their eDoc, FAST, or Full-service related data queries. This change is required for all customers. It will greatly assist in avoiding performance issues that can hinder quality of service; users still have many opportunities to query necessary postal data within this limitation. Likewise, in order to improve overall experience for all customers it is absolutely necessary that customers program their software to query the USPS systems for different transactions at different times, i.e., configure some queries to occur at odd times, e.g., FAST queries to occur at odd times while eDoc and Data distribution to occur at even times.

1.6 Roadmap of Mail.XML

The table below shows the roadmap of the Mail.XML versions - starting from currently supported versions to versions that will be supported in January and June 2012 for Data Distribution.

Data Distribution Functionality	January 2011 Release 26.0.0	June 2011 Release 27.0.0	January 2012 Release 29.0
	Mail.XML 7.0C * Mail.XML 8.0B Mail.XML 8.1	Mai.XML 8.0B * Mail.XML 8.1 Mail.XML 10.0 **	Mail.XML 11.0**

The version(s) flagged with single asterisk (*) are planned for de-commissioning on October 28, 2011.
The version(s) flagged with double asterisk (**) are new version(s) which are planned for implementation with the release date.

The table below lists all Mail.XML Profiles and Full-Service Data Feedback related messages by version. The versions listed below are 8.1 (supported today), 10.0 A (shall be supported in June 2011)

Table 1-1: Profiles and Full-service Data Feedback Messages List By Mail.XML Versions

Note: Full Service Messages such as FullServiceAddressCorrectionQuery Request or FullServiceContainerVisibilityQueryResponse have been modified in Mail.XML 11.0 by dropping the prefix “FullService” in order for these messages to support both Full and Non-Full services data structures.

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- FullServiceStartTheClockDelivery
- FullServiceStartTheClockNotification
- FullServiceStartTheClockQueryRequest
- FullServiceStartTheClockQueryResponse

These FullServiceStartTheClock are being removed from the scope of Mail.XML 11.0 because there exist already a similar set of StartTheClock messages except without the prefixes “FullService”. These messages are being removed to avoid redundancy.

Message Name	**Supported in Mail.XML 11.0**	**Supported in Mail.XML 10.0 A**	**Supported in Mail.XML 8.1**
ByForConflictDelivery	**X**	**X**	
ByForConflictNotification	**X**	**X**	
ByForConflictQueryRequest	**X**	**X**	
ByForConflictQueryResponse	**X**	**X**	
CastofCharactersCancelRequest			
CastofCharactersCancelResponse			
CastofCharactersCreateRequest			
CastofCharactersCreateResponse			
CastofCharactersUpdateRequest			
CastofCharactersUpdateResponse			
DeliveryResponse	**X**	**X**	**X**
FullServiceAddressCorrectionDelivery		**X**	**X**
FullServiceAddressCorrectionNotification		**X**	**X**
FullServiceAddressCorrectionQueryRequest		**X**	**X**
FullServiceAddressCorrectionQueryResponse		**X**	**X**
FullServiceContainerVisibilityDelivery		**X**	**X**
FullServiceContainerVisibilityNotification		**X**	**X**
FullServiceContainerVisibilityQueryRequest		**X**	**X**
FullServiceContainerVisibilityQueryResponse		**X**	**X**
FullServiceDataQualityVerificationQueryReport Request		**X**	**X**
FullServiceDataQualityVerificationQueryReport Response		**X**	**X**
FullServiceDataQualityVerificationReportDeliver y		**X**	**X**
FullServiceDataQualityVerificationReport Notification		**X**	**X**
FullServiceNonComplianceDataWithOwedPosta geNotification		**X**	
FullServiceNonComplianceDataWithOwedPosta geDelivery		**X**	
FullServiceNonComplianceDataWithOwedPosta geQueryRequest		**X**	
FullServiceNonComplianceDataWithOwedPosta geQueryResponse		**X**	

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Message Name	Supported in Mail.XML 11.0	Supported in Mail.XML 10.0 A	Supported in Mail.XML 8.1
FullServiceNixieDetailDelivery		X	X
FullServiceNixieDetailNotification		X	X
FullServiceNixieDetailQueryRequest		X	X
FullServiceNixieDetailQueryResponse		X	X
~~FullServiceStartTheClockDelivery~~		X	X
~~FullServiceStartTheClockNotification~~		X	X
~~FullServiceStartTheClockQueryRequest~~		X	X
~~FullServiceStartTheClockQueryResponse~~		X	X
AddressCorrectionDelivery	X		
AddressCorrectionNotification	X		
AddressCorrectionQueryRequest	X		
AddressCorrectionQueryResponse	X		
ContainerVisibilityDelivery	X		
ContainerVisibilityNotification	X		
ContainerVisibilityQueryRequest	X		
ContainerVisibilityQueryResponse	X		
DataQualityVerificationQueryReport Request	X		
DataQualityVerificationQueryReport Response	X		
DataQualityVerificationReportDelivery	X		
DataQualityVerificationReport Notification	X		
NonComplianceDataWithOwedPostageNotification	X		
NonComplianceDataWithOwedPostageDelivery	X		
NonComplianceDataWithOwedPostageQueryRequest	X		
NonComplianceDataWithOwedPostageQueryResponse	X		
FullServiceNixieDetailDelivery	X		
FullServiceNixieDetailNotification	X		
FullServiceNixieDetailQueryRequest	X		
FullServiceNixieDetailQueryResponse	X		
StartTheClockDelivery	X	X	
StartTheClockNotification	X	X	
StartTheClockQueryRequest	X	X	
StartTheClockQueryResponse	X	X	
NotificationResponse	X	X	X
USPSCRIDCreateRequest	X	X	X
USPSCRIDCreateResponse	X	X	X
USPSMIDCreateRequest	X	X	X
USPSMIDCreateResponse	X	X	X
MessageResponseRetrievalRequest	X	X	X
MessageResponseRetrievalResponse	X	X	X

Differences between 8.1, and 10.0 and 11.0 messages:

▪

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- No new messages has been added or deleted in Mail.XML 8.1 version from Mail.XML 8.0B and Mail.XML 7.0C
- Four new messages FullServiceNonComplianceDataWithOwedPostageQueryRequest/Response/Notification/Delivery have been added for support in Mail.XML 10.0 A.

1.7 Purpose

The purpose of this Technical Specification is to supplement the IDEAlliance Mail.XML specification and to provide the Mail.XML users with specific information regarding the USPS implementation. This document serves as the collection of all specific rules, standards, accepted values, error messages, etc. regarding the USPS implementation of the Mail.XML specification. The content in this document is subject to change as IDEAlliance updates the Mail.XML Specification. This technical specification includes the return codes, error codes and their descriptions, as well the WSDLs links for the January 2011 USPS Mail.XML implementation. This specification also lists all of the return codes, error code with their description for each of message supported in Mail.XML 8.1, and Mail.XML 10.0 A.

1.8 Intended Audience

The intended audience for this specification is technical programmers and technical managers. Prior knowledge of XML language, Mail.XML and Mail.dat functionalities will greatly improve the understanding of this document. The majority of the codes used in the Mail.XML base XSD come from the Mail.dat specification, the USPS recommends reading the *Postal Service Mail.dat Technical Specification* to understand the meaning of the flags used by IDEAlliance in Mail.XML. The code descriptions for simple types that are coming from the Mail.dat specification have been added as part of the simple type table for added benefit to the reader.

1.9 About This Document

In the messages data structure table – complex types have been referenced. To properly implement the Mail.XML messages – USPS recommends the customer to study the complex types provided in the Appendix B of this specification to fully understand the structure of the Full-Service Data Distribution messages. The same functionality now supports FAST push messages for stale contents to the content providers, content updated by content providers data to Schedulers, and Closeout data, The FAST messages are not necessarily tied to Full-service. So from June 2011, you can subscribe to the StalecontentDelivery, StaleContentNotification, ContentUpdatedNotification, ContentUpdatedDelivery, CloseoutDelivery and CloseoutNotification messages.

Also in the messages data structure – simple types have been referenced under the acceptable values column. USPS recommends that the customer to study the simple types to fully understand the cryptic meaning of the code that are being used in the simple types. For example – “Mail Class” simple type allow values 1, 2, 3, 4 whereas the translation of these codes are ‘First-Class Mail’, ‘Periodicals’, ‘Standard Mail’, and ‘Package Services’ respectively. The USPS also recommends reading the *Postal Service Mail.dat Technical Specification* document located on RIBBS®.

In the data structure tables, some field names may contain spaces for readability purposes because the names of those fields are lengthy. In Mail.XML, spaces are not allowed in the element names. For example: “SubmittingParty” is the element name but in the data table it may have been written as Submitting Party”. If you are using this document to code your software then use the latest version of Mail.XML XSD located on RIBBS® to fully understand the name of the element, structure of every block and message to minimize the impact of incorrect coding.

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1.10 How to Read Data Structure

There are three possibilities for every element listed in the data structure table of each message. These possibilities are REQUIRED, OPTIONAL, and CONDITIONALLY REQUIRED. The Required option means that mailer/preparer or sender of the message must provide data for the element. Whereas Optional option means the sender of the message has a choice to include the data or omit it from submission. The third option of Conditionally Required means that if certain condition is met then the sender of the message must provide data for that particular element; for example - EntryPointEDPostalCode is conditionally required if EntryPointEDFacilityType is populated in the ContainerUpdateRequest message.

In addition to the above options, there are instances where the main block is marked as REQUIRED but the elements within the block are OPTIONAL or Vice Versa. This means that sender of the message must include the block when sending the message but can omit all elements within the block. A good example is 'SubmittingParty' block, which is a REQUIRED block, but all elements within this block are OPTIONAL.

1.11 Issue Resolution

All issues identified in the USPS software that may not correspond with the business rules identified in this specification and that require workarounds are listed in the critical issues list on the RIBBS Intelligent Mail site under Latest News. For example – In some cases the work around for Full-Service ACS data is to receive the data through OneCode ACS method instead of Full-Service method. In other cases for postage statements too big in size, the work-around is to divide the statements in multiple statements. The current Critical Issues list of the *PostalOne!* system is found at Intelligent Mail on the Latest News tab at:

http://ribbs.usps.gov/intelligentmail_latestnews/documents/tech_guides/PostalOneCriticalIssueExtCustomers.pdf

1.12 Environments supported by USPS

The USPS supports a test and production environment.

Testing Environment for Mailers (TEM): This environment is used for software approval processes for all mailers prior to moving into the production environment. Mailers must work with the *PostalOne!* Help Desk to start the approval process for their software, and must be approved in the TEM environment, prior to sending Mail.XML data transactions in the Production environment. The TEM environment for Mail.XML basic testing capabilities is available as of November 2009 and will be available for all future releases. For more information regarding TEM, see the *Test Environment for Mailers: Checklist and Troubleshooting Guide*

Production Environment: This Production environment will be used by all customers approved by USPS to start sending messages and transactions. These customers will be approved as a result of performing required tests in the TEM environment.

1.13 *PostalOne!* WSDL Information

All web services transactions that are made with the USPS should comply with the WSDL specification, which are posted on RIBBS® and can be downloaded from the following location:
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm

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A web services request must include a valid and active USPS User ID and Password as defined in the UserAuthenticationInfo.xsd file that is provided as part of the WSDL files. A typical web service message construct defined is as follows:

```
<wsdl:message name="DeliveryApptContentUpdateRequest">
        <wsdl:part name="authInfo" element="auth:AuthenticationInfo"/>
        <wsdl:part name="apptContentUpdate" element="tns:apptContentUpdate"/>
</wsdl:message>
```

With the following

String-typed WSDL:

```
        <wsdl:message name="StartTheClockQueryRequest">
                <wsdl:part element="auth:AuthenticationInfo" name="authInfo"/>
                <wsdl:part element="tns:startTheClockQuery" name="startTheClockQuery"/>
        </wsdl:message>
```

XSD-typed WSDL:

```
        <wsdl:message name="FullServiceStartTheClockQueryRequest">
                <wsdl:part element="uspsmxml:FullServiceStartTheClockQueryRequest"
                name="FullServiceStartTheClockQueryRequest"/>
        </wsdl:message>
```

USPS will validate and authenticate the user information before processing the request. An error message will be returned in response to the web service request for invalid user information.

Types of WSDLS

There are two types of WSDLs, the String-Type WSDL and Message-Type WSDL. The following is basic information on each of the WSDL types to help customers understand what are the advantages and disadvantages of consuming String versus Message Type WSDLs.

The USPS is no longer supporting the string type as of the Mail.XML 9.0X implementation. Currently, the USPS only accepts Message-Type WSDLs.

1. **Consuming String-Type WSDLs:**

   The string-type is a more generalized method, in which a customer needs to manually register each message type and register all services in their environment to later use for invoking the remote service. This is a manual process and cannot be automated easily. This is the major disadvantage of using this method. The advantage is that one string type WSDL can be used for any version of Mail.XML but is required to be manually registered in the code. The USPS no longer supports string-type WSDLs as of Mail.XML 9.0X implementation. The USPS only accepts Message-Type WSDLs.

2. **Consuming Message-Type WSDLs:**

   The message-type WSDL eliminates the need to manually register each service and message type. With this method, a customer can use an automated tool to setup their environment without manually registering each service. However, this approach requires updates to WSDLs every time a new Mail.XML version is released. In other words, it is tightly coupled with the Mail.XML Specification Version. The USPS is transitioning to this type of Message WSDLs to remove manual editing and registering of messages. USPS will stop supporting string-type WSDLs after a future Mail.XML 9.0 release. It is recommended that all users plan to move to the message-type WSDLs.

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Customer must use message-type URLs to consume these services. These URLs are provided in Appendix A.

1.14 Mail.XML Workflow

Full-service Feedback Messages Workflow
There are two ways a user receives Full-Service Feedback data, a) the Push Delivery and b) the Pull methods. All messages that end with a word 'Notification' or 'Delivery' are part of Push Delivery method and all messages that end with a word 'Request' or 'Response' are part of Pull method. To start receiving the data via Push Delivery method the user must subscribe to Push Delivery service via USPS – Business Customer Gateway accessible through the web at: *https://gateway.usps.com/bcg/login.htm*. The details on how to subscribe to Push Delivery and more description on the Pull and Pull method – refer to section 2.1.1 of this document.

1.1.1 Profile Management messages Workflow

All messages in the Profile Management families follow the Pull method where a user sends a request and expects to receive either data or an error/return code.

Messages, including CRID or MID creation messages, do not need to be requested or sent in any particular order.

1.15 Exceptions

The following is the list of exceptions identified by USPS.

Table 1-2: Mail.XML exceptions identified by USPS

Mail.XML Version	Exception Description
ALL	The customer should not zero pad their MID and CRID IDs
Mail.XML 8.0B	Address Correction messages in 8.0B contains Foreign address flag, however the foreign address data is not supported in Release 3 (March 2010) of Full-service.

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2. Full-Service Data Feedback and Profile Management

2.1.1 Full-service Data Feedback Overview

The Full-Service program will utilize the *PostalOne!* system to provide Start-the-Clock, Container Visibility, Confirm (Full-Service only), Address Correction Data, Nixie Detail data, and Full-service Data Quality reports to the customers identified as recipients of full-service feedback.

There are number of ways by which all of the Full-service data feedback messages will be exchanged through the *PostalOne!* System as described below:

2.1.1 Table 2-1: Full-service Data Exchange Options

FTP – File Transfer Protocol	Options for Data Exchange				
No	Data/ Service	Browser-based HTTPS Download (Compressed Files)	Browser-based Report (over HTTPS)	Mail.XML Pull (Customer Invokes USPS Web Service)	Mail.XML Push (USPS Invokes Customer Web Service)
1	Start-the-Clock	Yes	Yes	Yes	Yes
2	Container Visibility/Scan	Yes	Yes	Yes	Yes
3	ACS COA	Yes	No	Yes	Yes
4	ACS Nixie Detail	Yes	No	Yes	Yes
5	Full-service eDoc Data Quality Verification	No	Yes (Microstrategy Reports)	Yes	Yes
6	Full-service noncompliance postage	No	Yes (Microstrategy Reports)	Yes	Yes

otocol method. FTP support is phasing out to meet USPS Security standards for secured, guaranteed solutions. Any USPS services that currently provide data through the FTP protocol to its customers will provide ample time and communication to the USPS customers and collaborate with the customers to help with transition before transitioning to the non-FTP protocol data communication methods.

Browser-based HTTPS (Hyper Text Transport Protocol - Secure) Download (Compressed Files) – Online web page allowing customers to download ‘compressed data’ over HTTPS protocol in a CSV or Excel format.

Browser-based HTTPS Reports – Online web page allowing customers to view ‘reports’ over HTTPS.

Mail.XML Pull (Customer Invokes USPS Web Service) -Web Services Pull model where a customer sends a Web Services-based Mail.XML Request message invoking USPS Web Services to pull data in XML format through a Mail.XML Web Service method.

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On the response provided, it would include TrackingID as part of 'LargeTransactionDividerResult'. Whenever a mailer application sees this element, they need to send MessageResponseRetrievalRequest (using the correct Mail.XML version XSD) and use the TrackingID provided to get the response.

For example, if a mailer sends 'FullServiceNixieDetailQueryRequest' and the *PostalOne!* system has to send a large result set as a response (1000 messages broken down into 200 messages per transaction). The *PostalOne!* system will return a response with the first 200 messages and include five TrackingIDs as part of the 'LargeTransactionDividerResult'.

Mailer can send TrackingID request and get the remaining data. Additionally, the element 'LargeTransactionDividerGroupType' can give more information on what is included on each transmission.

Refer to Section 2.1.5 for more information.

Mail.XML Push (USPS Invokes Customer Web Service)-Web Services Mail.XML Push model where the USPS invokes a customer's Web Service method/URL and pushes XML data to the customer's web service when the data is available or a notification is sent to the customer by the USPS that customer's data is available for download. Refer to Section 2.1.4 for more information.

In support of Full-service feedback messages that larger are in size, the Mail.XML specification has an element 'LargeTransactionDividerResult' to support such transactions. The *PostalOne!* system will divide the large result set into smaller chunks.

2.1.1 2.1.1 What you need to receive your data through the data exchange methods identified

Step 1
The customers must be registered *PostalOne!* users and must registered Business Customer Gateway users with a valid username and password. For information on the Business Customer Gateway, refer to the *User Access to Electronic Mailing Information and Reports Guide,* Volume 1 from RIBBS at

http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/user_access/user_access.htm

Visit the *Business Customer Gateway* home page at https://gateway.usps.com to begin participating in Mail.XML and to obtain access to *the PostalOne!* system. If you have questions, call the *PostalOne!* systems Help Desk at (800) 522-9085.

Once you are a registered user and have the ability to access the *PostalOne!* system you will have access to the browser-based HTTPS reports and data download options as well, you will have the ability to perform electronic data exchange with the *PostalOne!* system through approved methods.

Step 2
The customers interested in automated electronic data exchange currently have four options available to them for receiving electronic data from the USPS for full-service mailings.

- Browser-based HTTPS Download (Compressed Files) - The first available data exchange option is secure browser-based **compressed file download**. No other information for full-service will be available through browser-based download method, other than Address Correction and Nixie Detail data.
- Browser-based HTTPS Reports - The second option available to customers is viewable browser-based reports. The only data that is currently available through browser-based reports is Start-The-Clock and Container Visibility data.

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- Mail.XML Pull (Customer Invokes USPS Web Services) – The Mail.XML is an IDEAlliance specification and does not require any IDEAlliance fee to use/implement the specification. The latest version of Mail.XML 10.0 is available at the http://www.mailxml.org site. Customers can pull their information whenever they desire, using Request and Response methods for StartTheClock, Container Scans, ACS, and Nixie data.
- Mail.XML Push (USPS Invokes the Customer's Web Services) – USPS provides online push subscription pages as well as web services methods so that the customer can register with the *PostalOne!* system as a subscriber of detail data (Delivery messages) or as a subscriber of notifications (Notification messages) that tell the customer, when data is ready to be pulled. The customer can register to receive automatically, either a) the detail data, or b) the notifications as they pertain to StartTheClock, Container Scans, Full-service ACS COA, and Full-service ACS Nixie data.

The Mail.XML specification is a USPS/industry agreed to strategic and future communication method for data exchange. It is bi-directional, near real time and can convert large data transactions into smaller transactions while providing guaranteed delivery, verification and near real time conflict resolution capabilities. The sender and receiver can validate the data, verify guaranteed delivery and actually converse intelligently both ways to report any issues with data transfer or with business issues found within the data.

2.1.1 2.1.2 How do you implement/use the Mail.XML available for Full-Service Data Feedback

The user should download the XSD, the data dictionary and support documents from the following link.
http://www.mailxml.org.

Check for the versions supported by the USPS at
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm under Intelligent Mail Services -> Guides links.

2.1.1 2.1.3 Why Mail.XML based Data Feedback?

Mail.XML version 6.0D was created to enhance efficiency and ease of transmission for the small and large data volume communications. The message sets were designed with an attribute that allows all large data volume messages to be broken up in as many unique child transactions as the USPS and the industry feel will be supported by the existing network infrastructure. In other words, a 10 MB file can be broken up in ten 1MB transactions or twenty 500KB in size transactions except for Address Correction and Nixie messages where the messages will be broken between 450-600KB. The Mail.XML allows for verification and thorough validation of the data, right away, in near real time. More importantly, with Mail.XML, your software can respond back to the *PostalOne!* system right away to let the USPS know if you successfully received all the data or not. You can also let the USPS know, right away, if the data sent by the USPS to you had problems, the data was bad or incomplete or did not belong to you, etc., so automatic conflict resolution triggers can result in immediate action by the USPS. Mail.XML 7.0C expands the same capabilities to other data types. Mail.XML 8.0B adds more validation by introducing changes to simple types and Mail.XML 8.1 further streamlines the XSD structure to fix the previously identified exceptions such as making the SubmittingParty and other elements as optional in all data distribution messages. Starting from Mail.XML 9.X versions and onward – modularization of XSD has been introduced which will streamline the process of implementing the code.

Other important thing for your business is that unlike Mail.dat, there are almost no wait times for you to file your postage, qualification, and container and bundle reports with the USPS since you are filing final documents.

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Prerequisite:

All customers who want to receive Full-Service data feedback must be registered *Business Customer Gateway* users. The customer must have gone through the *Gateway* approval and activation process for this business function and must establish push subscription profiles in the Push Subscription user interface to provide data distribution guidance for their data. The data distribution authorization is driven by the data provided in the eDocumentation to the *PostalOne!* system about the By/For relationship. The MID profiles if setup by the customer, take precedence on authorization rules over the eDoc data.

The Full-Service data is provided electronically to the USPS customers in two ways. One method is through manual download of data in CSV (Comma Separated Values) and Microsoft Excel application formats available through Business Customer Gateway online pages. Second method is of an automated data exchange, using IDEAlliance Mail.XML specification and web services technology. With Mail.XML method, the customer can periodically query USPS *PostalOne!* system for their information or can subscribe for their data and receive it automatically from the USPS *PostalOne!* server to their (customer's) server. Mail.XML based data exchange requires that the customer buy software that is capable of exchanging information with the USPS through SOAP protocol or that the customer code (programs) the software with Mail.XML capabilities.

Customers can login through Business Customer Gateway, go to Full-Service reports link to search for specific ACS and StartTheClock data for their mailings, and download the data in a CSV or Excel format.

Note: The Data Quality reports are available through manual download format, online reports, and through Mail.XML format, however we do not encourage manual download of this detail data because the data would only make sense once merged/linked with the mailing eDoc data in customer's systems.

Customers also have the ability to conduct all Full-Service data exchange electronically and automatically through IDEAlliance Mail.XML web services implementation by the USPS.

2.1.1 2.1.4 What is Push Model/Subscription method?

If you want to automatically receive the data as soon as it is ready (Push model), you must have registered your Web Services URL, implemented a WSDL for push (Delivery and Notification) Mail.XML messages, and implemented Authentication and Authorization to authenticate and authorize transactions sent by the *PostalOne!* system to your server. You also must have installed a signed SSL certificate from VeriSign or Comodo on your server, which is setup to receive push transactions form the USPS. You will also be asked to provide your IP address, server's physical address and other pertinent information to the Help Desk in the TEM Full-service Data Feedback using Push Messages – Customer Identification Form that can be downloaded from RIBBS at

http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/xmlspec.htm

With the Mail.XML Push or subscription method, the USPS customers can login to the USPS Business Customer Gateway and under Full-service subscription link can provide a user id, password, and a URL that the *PostalOne!* system can use to connect and send data to the customer's server.

On the Business Customer Gateway, the USPS customer can schedule how often they want to receive their Full-Service data. They have the choice to get the data every 6, 12, or 24 hours.

The WSDLs and XSDs available at the end of this document MUST be used to ensure conformity and standardization of data exchange between the *PostalOne!* system and customers. Within the Gateway system, a user interface allows you to provide the information and indicate which

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messages you want to receive as a Push model. You must have also checked the type of data you want to receive as a Push. All push messages **end** in the word "Delivery" or in the word "Notification." Messages that **start** with the word "Delivery" are usually specific to the FAST system.

The messages that end with the word "Delivery" mean that the message has all the detail data and the customer is receiving the data because the customer registered with the USPS *PostalOne!* system to receive the detail data as it becomes available.

The messages that end with the word "Notification" mean that the message will notify the customer that the "data is ready" to be pulled through Pull Mail.XML mechanism or another approved method. Notification messages will not have detail data. The customer will have the option to choose the push messages that they want the *PostalOne!* system to use and send the data to the customer. e.g., a customer may decide to use Pull messages for ACS, but may decide to receive continuous feeds of data for StartTheClock "Delivery" message or Nixie "Delivery" message and may choose to receive the notifications through the Notification messages.

Getting Ready for Push Data Distribution Checklist

The details about 'How to Subscribe to Mail.XML Push Messages' is outlined in the *Refer to the 'Test Environment for Mailers (TEM) Checklist and Troubleshooting* document on RIBBS. In this section – high-level steps are provided for an overall understanding of the workflow:

1. Enable SSL communication with USPS® TEM and Production environment. *Refer to the 'Test Environment for Mailers (TEM) Checklist and Troubleshooting* document.

2. Customer must acquire signed certificate to enable SSL (secure socket layer) communication with USPS®, which allows secure data exchange between USPS® and customers server on port 443.

3. Through Business Customer Gateway – access the Push Subscription Profile user interface and setup Subscription profile

    a. During Subscription profile setup – user has two options i.e. Subscribe to Notification and Subscribe to Delivery. Customer can subscribe to one push type.

    b. Customer must determine during the subscription setup process, on how frequent they would like to receive the notification or delivery

    c. Customer must provide their servers web service URL, User Name, and Password. This will allow USPS® *PostalOne!* system to connect to customer's server and start pushing the notification or deliver the message.

4. Customer must setup their Web Service to access USPS® TEM and USPS® Production environment and provide the Web Service URL during the subscription process.

5. Download and implement USPS® provided WSDLs. *See WSDL Information below for more details*

2.1.1 2.1.5 What is Pull Model?

If a customer wants to get the data based upon their own needs and wants to pull the data from the *PostalOne!* system, they will not need to host their own Web Services URL. They will need the software that can send a message request to the *PostalOne!* system for any available data and the *PostalOne!* system will respond back with the data. The customer will need to be approved and activated by the USPS to be able to use this software in production.

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With the Mail.XML Pull method, the USPS customers can have their software query the USPS *PostalOne!* System for their ACS, Start-the-Clock, and Data Quality reporting data. The Query filters include job id information and other mail owner or appointment information as applicable for the type of data being pulled. There are Query Request and Response messages where the Query request is done by the USPS customer's software and the USPS responds back with the Query Response message with the data.

2.1.1 2.1.6 Message Response Retrieval Request (MRRR) Processing

Fault and Fault Recovery Messages
This series of messages is primarily used to support the Asynchronous communication when the response from the USPS may not be within a 7 seconds period and the USPS gives out a tracking ID to the customer. The customer then uses the Tracking ID to get his message response back using the MRRR message set that includes:

- Message Response Retrieval Request
- Message Response Retrieval Response

Customer will have the ability to retrieve the responses of all of the messages documented in this specifications using TrackingID in the MRRR messages. Tracking IDs become stale after 24 hours.

2.1.1 2.1.7 Full-service Data Feedback Messages Supported in 8.1 Mail.XML Specification

The Mail.XML 8.1 will continue to support the same set of Mail.XML messages that are part of the Mail.XML 8.0B and Mail.XML 7.0C. Therefore, refer section 2.1.6 above to learn about the supported messages list for the Mail.XML 8.1 version.

Below is the summary of the changes in the Mail.XML 8.1 speciation:

1) Allow the following fields/elements to be annullable in the FullServiceAddressCorrectionQueryRequest, FullServiceAddressCorrectionQueryResponse, FullServiceNixieDetailQueryRequest, FullServiceNixieDetailQueryResponse, FullServiceNixieDetailDelivery, and FullServiceAddressCorrectionDelivery messages

Submitting Party
Submitting Software
Job ID
User License Code
Mailing Group ID
Customer Group ID

2) Add the following fields/elements to FullServiceAddressCorrectionQueryResponse, FullServiceNixieDetailQueryResponse, FullServiceNixieDetailDeliveryand FullServiceAddressCorrectionDelivery messages:

Bill Reason Code
Free Charge Flag

3) Support for Foreign Addresses in FullServiceAddressCorrectionQueryResponse and FullServiceAddressCorrectionDelivery messages:

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2.1.1 2.1.8 Full-service Data Feedback Messages Supported in 10.0X Mail.XML Specification

- The Mail.XML 10.0 A will continue to support all of the message that are being supported in previous versions except that in this version four new messages FullServiceNonComplianceDataWithOwedPostageQueryRequest/Response/Notification/Delivery have been added for support in Mail.XML 10.0 A.

2.1.1 2.1.9 Error/ Return Codes

Faults, such as a message timeout or invalid XML are to be communicated using the <fault element and returned within the detail section of the SOAP fault. The fault is made up of a tracking ID and one or more fault codes and optional fault descriptions. Note all of the Error/Return Codes listed below are supported in versions of the Mail.XML

Below is the list of fault codes that are applicable to all Mail.XML messages, they are sent whenever a fault occurs in the transmission of the message.

Table 2-3: Fault Codes

Code	Description	Messages
402	Not Well Formed XML	Fault (All Mail.XML Messages)
403	Validation Failure – {specific error message thrown by parser}	Fault (All Mail.XML Messages)
412	Unauthorized – Required SubmittingParty	Fault (All Mail.XML Messages)
412	Unauthorized – User does not have access to specified SubmittingParty	Fault (All Mail.XML Messages)
412	Unauthorized – User does not have access to “Manage Mailing Activity” service	Fault (All Mail.XML Messages)
412	Unauthorized - Invalid user ID	Fault (All Mail.XML Messages)
412	Unauthorized - Invalid user password	Fault (All Mail.XML Messages)
412	Unauthorized - Account disabled	Fault (All Mail.XML Messages)
412	Unauthorized - Maximum password retries reached	Fault (All Mail.XML Messages)
412	Unauthorized - Profile not found	Fault (All Mail.XML Messages)
440	Sorry - Mail.XML version is not supported	Fault (All Mail.XML Messages)
500	Generic Internal Responder Error	Fault (All Mail.XML Messages)
500	Your request has been accepted for processing by USPS. Use the attached Tracking ID with a MessageResponseRetrievalRequest message to get the status of your request.	Fault (All Mail.XML Messages)
500	Generic Internal Responder Error (Authentication Service Failed)	Fault (All Mail.XML Messages)
503	Not Implemented - Mail.XML message received is not supported (MessageName)	Fault (All Mail.XML Messages)

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Below is the list of the codes to be returned by the Customer to the *PostalOne!* system in the Delivery Response message to indicate the success or the failure of the delivery messages to the Customer's web services end point

2.1.1 Table 2-4: PostalOne! – Data Distribution – Delivery Response Return Code Values

Code	Description	Messages
5800	Successful Push Delivery Receipt	DeliveryResponse NotificationResponse
5801	Push Authentication failed: Invalid Username	DeliveryResponse NotificationResponse
5802	Push Authentication failed: Incorrect Password	DeliveryResponse NotificationResponse
5803	Push Account Disabled	DeliveryResponse NotificationResponse
5804	Push Delivery Processing Failed	DeliveryResponse NotificationResponse

Below is the list of the return codes that the *PostalOne!* system will communicate to the customer in response to the Push Subscription request message to indicate the success or the failure of the subscription request

2.1.1 Table 2-5*: PostalOne!* Subscription Request Return Code Values

Code	Description	Messages
5805	Push Subscription Error: Invalid CRID.	ProfileResponse
5806	Push Subscription Error: Invalid message type.	ProfileResponse
5807	Push Subscription Error: Invalid Push type.	ProfileResponse
5808	Push Subscription Error: Invalid user ID and/or password.	ProfileResponse
5809	The web service URL format is invalid.	ProfileResponse
5810	Push Subscription Error: Push Start date is invalid.	ProfileResponse
5811	Push Subscription Error: Invalid frequency.	ProfileResponse
5812	Push Subscription created successfully.	ProfileResponse
5813	Push Subscription updated successfully.	ProfileResponse
5814	Push Subscription cancelled successfully.	ProfileResponse
5815	Push Subscription Error: Database error occurred,	ProfileResponse

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Code	Description	Messages
	subscription not saved/updated.	
5816	Push Subscription Error: Database error occurred, subscription already exists.	ProfileResponse
5817	Push Subscription Error: Database error occurred, subscription does not exist.	ProfileResponse
5900	No records found for the given search criteria	FullServiceAddressCorrectionQueryResponse FullServiceContainerVisibilityQueryResponse FullServiceDataQualityVerificationReportQueryResponse FullServiceNixieDetailQueryResponse FullServiceStartTheClockQueryResponse ByForConflictQueryResponse
5901	Full-service data feedback has been deactivated to one or more Mail Owner CRIDS	FullAddressCorrectionQueryResonse FullAddressNixieDetailQueryResponse
5902	Please limit the date range in the search criteria to one week	FullAddressCorrectionQueryResonse FullAddressNixieDetailQueryResponse FullServiceStartTheClockQueryResponse
5903	Either Mailer ID6 or Mailer ID9 is required to use lower/upper IMB ranges in search criteria	FullAddressCorrectionQueryResonse FullAddressNixieDetailQueryResponse
1500	Invalid Tracking ID	FullServiceAddressCorrectionQueryResponse FullServiceContainerVisibilityQueryResponse FullServiceDataQualityVerificationReportQueryResponse FullServiceNixieDetailQueryResponse FullServiceStartTheClockQueryResponse ByForConflictQueryResponse
1502	Come Back Later	FullServiceAddressCorrectionQueryResponse FullServiceContainerVisibilityQueryResponse FullServiceDataQualityVerificationReportQueryResponse FullServiceNixieDetailQueryResponse FullServiceStartTheClockQueryResponse ByForConflictQueryResponse

Below is the list of the return codes that the *PostalOne!* system will communicate to the customer in response to the Cast of Characters Create, Cast of Characters Update, or Cast of Characters Cancel message to indicate the failure of a request message:

2.1.1 Table 2-6*: PostalOne!* – Cast of Characters Response Return Code Values

Code	Description	Message
6000	Success	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6001	Invalid Mailer ID	CastofCharactersCreateResponse, CastofCharactersCancelResponse

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Code	Description	Message
		CastofCharactersUpdateResponse
6002	Missing Required Field	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6003	Invalid Participant ID	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6004	Invalid Submitting CRID ID	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6005	For Future Use	
6006	Submitting Software Version is not supported	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6007	Unknown Error	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6008	Mail XML version is not supported	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6009	Mailing Piece Group Range does not exist	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6010	For Future Use	
6011	Cannot update record, original record does not exist	CastofCharactersCancelResponse
6012	Cannot cancel record, original record does not exist	CastofCharactersCancelResponse
6013	XML Not well formed	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6014	Data distribution profile has not been established by the mailer	CastofCharactersCreateResponse
6015	Invalid Mailing Piece Group Range which overlaps with an existing profile	CastofCharactersUpdateResponse
6016	Cannot update record, mailpiece group has not been defined previously	CastofCharactersUpdateResponse
6017	Cannot perform request, mailer is blocked	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6018	Invalid Mailer ID in IMb	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6019	Invalid Mailer ID in Piece Range	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse

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Code	Description	Message
6020	Invalid Submitting Mailer ID	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6021	Invalid Participant Mailer ID	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse
6022	Inactive Mailer ID in IMb	CastofCharactersCreateResponse, CastofCharactersCancelResponse CastofCharactersUpdateResponse

Below is the list of return codes that the *PostalOne!* System will communicate to the customer in response to Data Distribution Messages:

Table 2-7: PostalOne! – Mail Quality Verification Response Return Code Value

ERROR CODE	REPORT TYPE	FUNCTIONAL DESCRIPTION
7106	By/For Verification	The Mail Preparer was not identified for the physical piece due to an invalid Mailer ID(.mpa)
7107	By/For Verification	The Mail Preparer was not identified for the physical piece due to an invalid CRID(.mpa)
7108	By/For Verification	The Mail Preparer was not identified for the physical piece due to an invalid Mailer ID(QualReport)
7109	By/For Verification	The Mail Preparer was not identified for the physical piece due to an invalid CRID(QualReport)
7110	By/For Verification	The Mail Preparer was not identified for the physical piece due to no Mail Preparer identifiers in the eDoc
7111	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid Mailer ID(.cpt)
7112	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid Mailer ID(.mpa)
7113	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid CRID(.cpt)
7114	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid CRID(.mpa)
7115	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid Mailer ID(MailPiece)
7116	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid CRID(MailPiece)
7117	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid CRID(QualReport)
7118	By/For Verification	The Mail Owner was not identified for the physical piece due to no Mail Owner identifiers in the eDoc

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7119	By/For Verification	The Mail Owner was not identified for the physical piece due to invalid permit information(.mpa)
7120	By/For Verification	The Mail Owner was not identified for the physical piece due to invalid permit information(MailPiece)
7121	By/For Verification	The Mail Preparer was not identified for the physical piece due to invalid permit information(QualReport)
7122	By/For Verification	The Mail Preparer was not identified for the piece range due to invalid permit information(QualReport)
7123	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid publication number(.mpa)
7124	By/For Verification	The Mail Owner was not identified for the physical piece due to an invalid publication number(MailPiece)
7125	By/For Verification	The Mail Preparer was not identified for the physical piece due to an invalid publication number(QualReport)
7126	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid publication number(QualReport)
7127	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid Mailer ID(.imr)
7128	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid CRID(.imr)
7129	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid Mailer ID(PieceRange)
7130	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid Mailer ID(QualReport)
7131	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid CRID(PieceRange)
7132	By/For Verification	The Mail Preparer was not identified for the piece range due to an invalid CRID(QualReport)
7133	By/For Verification	The Mail Preparer was not identified for the piece range due to no Mail Preparer identifiers in the eDoc
7134	By/For Verification	The Mail Owner was not identified for the piece range due to an invalid Mailer ID(.imr)
7135	By/For Verification	The Mail Owner was not identified for the piece range due to an invalid CRID(.imr)
7136	By/For Verification	The Mail Owner was not identified for the piece range due to an invalid Mailer ID(Piece Range)
7137	By/For Verification	The Mail Owner was not identified for the piece range due to an invalid CRID(PieceRange)
7138	By/For Verification	The Mail Owner was not identified for the piece range due to an invalid CRID(QualReport)
7139	By/For Verification	The Mail Owner was not identified for the piece range due to no Mail Owner identifiers in the eDoc

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7239	CSA Verification	The CSA ID was not provided in the eDoc(.seg/.csm or QualReport) for the Origin entered Container when a First Class CSA exists in FAST based on the Mail Facility ID and Processing Category
7240	CSA Verification	The CSA from the eDoc(.seg/.csm or QualReport) is invalid or a match cannot be found in FAST for the associated container record(.csm or QualReport)
7242	CSA Verification	The CSA associated to an eDoc Container record(.csm or QualReport) does not have an Active status in FAST
7243	CSA Verification	The eDoc Scheduled Ship/Induction Date(.csm or QualReport) is before the CSA Effective Date in FAST for the associated container record(.csm or QualReport)
7244	CSA Verification	The eDoc Principal Processing Category(.seg or QualReport) does not match the CSA Processing Category in FAST for the associated eDoc container record(.csm or QualReport)
7245	CSA Verification	The eDoc Container Level Code(.csm or QualReport) does not match the CSA Processing Code in FAST for the associated eDoc container record(.csm or QualReport)
7246	CSA Verification	The eDoc Container Destination ZIP(.csm or QualReport) does not match the CSA Container Destination ZIP in FAST for the associated eDoc container record(.csm or QualReport)
7247	CSA Verification	The eDoc Entry Point Locale Key(.csm or QualReport) does not match the CSA Facility Locale Key in FAST for the associated eDoc container record(.csm or QualReport)
7248	CSA Verification	The eDoc Scheduled Ship/Induction Date(.csm or QualReport) does not match the CSA Day of Week in FAST for the associated eDoc container record(.csm or QualReport)
7301	Mailer ID Verification	The Mailer ID in the IMcb from the eDoc container record (.csm or QualReport) is invalid or cannot be found for the associated container.
7302	Mailer ID Verification	The Mailer ID in the IMtb from the eDoc handling unit record (.csm or QualReport) is invalid or cannot be found for the associated container
7304	Mailer ID Verification	The Mailer ID in the IMb from the eDoc piece record (.pdr or MailPiece) is invalid or cannot be found for the associated piece
7303	Mailer ID Verification	The Mailer ID in the Piece Range Serialization from the eDoc piece range (.imr or PieceRange) is invalid or cannot be found for the associated piece range
7401	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece record (.pdr or MailPiece) is invalid

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7402	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece record (.pdr or MailPiece) indicates the piece is Basic for a Full-Service Piece as part of a Full-Service or Mixed Job
7403	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece record (.pdr or MailPiece) indicates a Mail Class that does not match the Mail Class in the eDoc (.seq or QualReport)
7404	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece range record (PieceRange) is invalid
7405	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece range record (PieceRange) indicates the piece is Basic for a Full-Service Piece as part of a Full-Service or Mixed Job
7406	Service Type ID Verification	The Service Type Identifier in the IMb from the eDoc piece range record (PieceRange) indicates a Mail Class that does not match the Mail Class in the eDoc (QualReport)
7502	Unique Container Barcode Verification	The same Container Barcode(IMcb) from the eDoc(.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs and Mail Facility IDs
7503	Unique Container Barcode Verification	The same Container Barcode (IMcb) from the eDoc (.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, within the same Job and Mail Facility ID
7504	Unique Container Barcode Verification	The same Container Barcode (IMcb) from the eDoc (.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs with the same Mail Facility ID
7605	Unique Handling Unit Barcode Verification	The same Tray Barcode(IMtb) from the eDoc(.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs and Mail Facility IDs
7603	Unique Handling Unit Barcode Verification	The same Tray Barcode (IMtb) from the eDoc (.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, within the same Job and Mail Facility ID
7604	Unique Handling Unit Barcode Verification	The same Tray Barcode (IMtb) from the eDoc (.csm or QualReport) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs with the same Mail Facility ID
7703	Unique Piece Barcode Verification	The same Piece Barcode(IMb) from the eDoc(.csm or MailPiece) was used more than once within the 45 days from the Postage Statement Mailing Date, across Jobs and Mail Facility IDs
7704	Unique Piece Barcode Verification	The same Piece Barcode (IMb) from the eDoc (.pdr or MailPiece) was used more than once within 45 days from the Postage Statement Mailing Date, within the same Job and Mail Facility ID

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7705	Unique Piece Barcode Verification	The same Piece Barcode (IMb) from the eDoc (.pdr or MailPiece) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs with the same Mail Facility ID
7706	Unique Piece Range Barcode Verification	The same Piece Range Serialization(IMb) from the eDoc(.imr or PieceRange) was used more than once within the 45 days from the Postage Statement Mailing Date, across Mail Facility IDs
7707	Unique Piece Range Barcode Verification	The same Piece Range Serialization(IMb) from the eDoc(.imr or PieceRange) was used more than once within 45 days from the Postage Statement Mailing Date, within the same Job and Mail Facility ID
7708	Unique Piece Range Barcode Verification	The same Piece Range Serialization(IMb) from the eDoc(.imr or PieceRange) was used more than once within 45 days from the Postage Statement Mailing Date, across Jobs with the same Mail Facility ID
7901	Delivery Point Verification	IMb does not have a valid 11, 9, or 5 digit delivery point or the 11, 9, or 5 digit delivery point was not active within allowable period of time from the postage statement mailg date
7902	Delivery Point Verification	IMb has a value of '0000' within positions 6-9 of the delivery point
7903	Delivery Point Verification	IMb has a value of '9999' within positions 6-9 of the delivery point and the address record type is not 'General Delivery'
7904	Delivery Point Verification	IMb within the range does not have a valid 11, 9, or 5 digit delivery point or the 11, 9, or 5 digit delivery point was not active within allowable period of time from the postage statement mailg date
7905	Delivery Point Verification	IMb within the range has a value of '0000' within positions 6-9 of the delivery point
7906	Delivery Point Verification	IMb within the range has a value of '9999' within positions 6-9 of the delivery point and the address record type is not 'General Delivery'
7602	Default IMtb Code Error	The eDoc tray barcode(.csm or QualReport) provided is 24 characters and consists entirely of the digit 9 (i.e. 999999999999999999999999)
7016	Entry Facility Verification	The entry facility identified by the Locale Key within the container was unknown in FDB
7017	Entry Facility Verification	The entry facility identified by the Postal Code within the container was unknown in FDB
7018	Entry Facility Verification	The entry facility identified by the Locale Key within the orphan handling unit was unknown in FDB
7019	Entry Facility Verification	The entry facility identified by the Postal Code within the orphan handling unit was unknown in FDB

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7020	Service Performance Verification	The Postage Statement Finalization Date is 2 or more days after the Scheduled Ship Date for the DMU Verified, USPS Transported Physical Container
7021	Service Performance Verification	The Postage Statement Finalization Date is 2 or more days after the Scheduled Ship Date for the DMU Verified, USPS Transported Physical Handling Unit
7022	Service Performance Verification	The Orphan Handling Unit does not have an induction method of BMEU.

2.2 Profile Management Overview

As part of the Mail.XML 8.1, and Mail.XML 10.0 Web Services messages, USPS will allow mailers with the capability to manage their corporate identification. Following is the list of Mail.XML messages that are supported now and will be supported in January 2011 and onward releases.

2.2.1 Table 2-8: Profile Management Messages Supported in Mail.XML

Following messages will be supported in all version of the Mail.XML i.e. 8.1, and 10.0

Message Name	Message Description
USPSMIDCreateRequest	This message will allow Mailers to request the *PostalOne!* system to create the Mailer ID (MID).
USPSMIDCreateResponse	This is a response message that notifies the requestor whether the request for creating the MID has been accepted or rejected. If the request is accepted than the MID will be sent back to mailer in the response message
USPSCRIDCreateRequest	This message will allow mailers to request the *PostalOne!* system to create the CRID for their corporation
USPSCRIDCreateResponse	This is a response message that informs the requestor whether the request for creating the CRID has been accepted or rejected. If the request is accepted than the CRID will be sent back to the mailer in the response message

2.2.1 Profile Management Error/ Return Codes

Below is the list of the return codes that the *PostalOne!* system will communicate to the customer in response to the MID/CRID Create request messages to indicate the success or the failure of the request. These error/return codes are applicable to all current and future version of the Mail.XML except Mail.XML 6.0D and previous versions.

2.2.1 Table 2-9: PostalOne! – MID CRID Return Code Values

Code	Description	Messages
5000	FULLSERVICE-EDOC: REQUEST SERVED SUCCESSFULLY.	USPSCRIDCreateResponse
5001	FULLSERVICE-EDOC: Not Valid Schema.	USPSCRIDCreateResponse
5007	FULLSERVICE-EDOC: Internal System error message. Please contact *PostalOne!* Help Desk	USPSCRIDCreateResponse

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Code	Description	Messages
5008	FULLSERVICE-EDOC: Empty Message. Please Contact *PostalOne!* Help Desk.	USPSCRIDCreateResponse
5009	FULLSERVICE-EDOC: Request is not XML Message. Please Contact *PostalOne!* Help Desk.	USPSCRIDCreateResponse
5012	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock' must be specified when 'ApplyingForSelf' is 'No'.	USPSCRIDCreateResponse
5013	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > UnderstandLegalLiabilityForApplyingForSomeOneElse' must be 'Yes" when 'ApplyingForSelf' is 'No'.	USPSCRIDCreateResponse
5014	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > AcknowledgeNotifyingTheMailOwner' must be 'Yes' when 'ApplyingForSelf' is 'No'.	USPSCRIDCreateResponse
5015	FULLSERVICE-EDOC: The text in the 'USPSLegalAgreement' element does not match the text defined in the Mail.XML specification.	USPSCRIDCreateResponse
5017	FULLSERVICE-EDOC: The address provided is not a valid USPS address	USPSCRIDCreateResponse
5018	FULLSERVICE-EDOC: Multiple locations were found for the given address. Please be more specific with the address you provide so that it maps to a single location.	USPSCRIDCreateResponse
5000	FULLSERVICE-EDOC: REQUEST SERVED SUCCESSFULLY.	USPSMIDCreateResponse
5001	FULLSERVICE-EDOC: Not Valid Schema.	USPSMIDCreateResponse
5007	FULLSERVICE-EDOC: Internal System error message. Please contact *PostalOne!* Help Desk	USPSMIDCreateResponse
5008	FULLSERVICE-EDOC: Empty Message. Please Contact *PostalOne!* Help Desk.	USPSMIDCreateResponse
5009	FULLSERVICE-EDOC: Request is not XML Message. Please Contact *PostalOne!* Help Desk.	USPSMIDCreateResponse
5012	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock' must be specified when 'ApplyingForSelf' is 'No'.	USPSMIDCreateResponse
5013	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > UnderstandLegalLiabilityForApplyingForSomeOneElse' must be 'Yes" when 'ApplyingForSelf' is 'No'.	USPSMIDCreateResponse
5014	FULLSERVICE-EDOC: 'LegalAcknowledgementBlock > AcknowledgeNotifyingTheMailOwner' must be 'Yes' when 'ApplyingForSelf' is 'No'.	USPSMIDCreateResponse
5015	FULLSERVICE-EDOC: The text in the 'USPSLegalAgreement' element does not match the text defined in the Mail.XML specification.	USPSMIDCreateResponse
5016	FULLSERVICE-EDOC: The specified 'CustomerCRID' could not be found.	USPSMIDCreateResponse

2.3 Fulfillment of Unassociated ACS records

Currently, when ACS generates COA and Nixie records with a Full Service STID, these records are sent to SASP for fulfillment. SASP attempts to associate these records to electronic documentation for a period of

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35 days. If the ACS records are unable to be associated within the 35-day period, SASP discards the records.
SASP sends reports for records with electronic documentation to the *PostalOne!* system. Additionally, for ACS records that are unable to be associated within the 35-day period, SASP determines the mail owner and data recipient CRID based on the MID in the IMb, determine the uniqueness of each unassociated mailpiece, and send the records to the *PostalOne!* system for fulfillment.
SASP calculates charges for unassociated and multiple notification records and sends ACS billing information. This information is used to create Mailer paper invoices. Within the *PostalOne!* system, mail owners and their delegates will be able to access the ACS records generated. The *PostalOne!* system supports Full Service ACS push/pull requests/responses, notifications, and downloads for mailers with no associated electronic documentation.

2.4 ACS Billing

Currently ACS does not bill for records that include a Full Service STID. These records are fulfilled for free through the Full Service platform.
ACS updates the mailpiece records with billing data after receiving the billing files from SASP. As per established ACS billing policies, ACS will generate monthly invoices to send to mailers when account balances are over a configurable value (currently set to $50); otherwise, invoices will be sent to mailers on March 24th or October 24th.
ACS will send a monthly file to Customer Registration containing all CRIDs to be invoiced. Customer Registration will use this information to retrieve billing contact information for the BSA of managed mailing activity based on the mail owner CRID and will send this information back to ACS in order to generate invoices.

2.5 Disabling Full Service Data Feedback for Delinquent Accounts

Currently, the only established method for disabling mailers from accessing their ACS records is to manually deactivate their MIDs in the ACS system. A mail owner that does not make a payment within 30 days of the invoice creation date will be considered a delinquent account. Implementing a new interface between SASP and the *PostalOne!* system will update a Mail Owner's delinquent account status.
ACS sends Mail Owner CRIDs for delinquent accounts to the *PostalOne!* system, which will deactivate the Mail Owner’s access to Full Service ACS feedback. Accounts can be reactivated when ACS sends activation records for mail owner CRIDs after a payment has been received.

2.6 General Considerations when using Full-service Query Request messages

To allow USPS to support unassociated ACS records and to provide flexibility for customers, especially third party agents, to access and retrieve Full-service data feedback, the IDEAlliance Mail.XML 8.1 specification has been updated to make Job ID and Mailing Group ID optional in the ACS and NIXIE Full-service Pull requests. These changes are scheduled to be supported in November 2010.

With all key fields in Full-service ACS and NIXIE requests annullable in the Mail.XML 8.1 Specification, there is a chance that very huge datasets may be returned which could potentially cause some performance and timeout issues. Mailers are expected to provide one of the following fields in the Mail.XML request message (Mail.dat Job ID/User License Code or Mailing Group ID or MID on Piece) and are required to limit the date range search to one week only.

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3. Message Choreography for Data Distribution

No	Message Name	Description	Customer	USPS *PostalOne!*
1	StartTheClockQueryRequest	The customer requests the Start-the-Clock data by providing appointment and job information for which Start-the-Clock data is needed. The date range of upper and lower is necessary to receive data from the USPS.	From	
2	StartTheClockQueryResponse	The USPS responds with the Start-the-Clock data for the job and provides the data for plant loaded mail in the plan loaded XML block, data for drop Shipped mail in the drop shipped XML block, and BMEU entered mail data in the BMEU XML block.		From
3	ContainerVisibilityQueryRequest	The customer can request container visibility information from the USPS by providing the job information, appointment/trip information, facility id, and container information or container barcodes.	From	
4	ContainerVisibilityQueryResponse	The USPS responds with the Container Induction detail data by providing scan dates and times as well as any conflicts with the container back to the customer.		From
5	AddressCorrectionQueryRequest	The customer can request address correction information from the USPS by providing the job information and date ranges and optional piece barcode range information.	From	
6	AddressCorrectionQueryResponse	The USPS, in response to the requests, sends all the address correction data pertinent to the request.		From
7	NixieDetailQueryRequest	The customer can request Nixie information from the USPS by providing the CRID, MID, and by providing the job information, class of mail, date ranges and optional piece barcode range information.	From	
8	NixieDetailResponse	The USPS, in response to the requests, sends all the Nixie detail data by MID and Job information back to the customer.		From
10	StartTheClockNotification	The USPS sends this notification to the customer and provides the Job information for which the Start-the-Clock data is ready		From

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No	Message Name	Description	Customer	USPS *PostalOne!*
11	StartTheClockDelivery	The USPS sends this detail data delivery to the customer with all the data available in the StartTheClockQueryResponse message		From
12	ContainerVisibilityNotification	The USPS sends this notification to the customer and provides the Job information for which the ContainerVisibility data is ready		From
13	ContainerVisibilityDelivery	The USPS sends this detail data delivery to the customer with all the data available in the FullServiceContainerVisibilityQueryResponse message		From
14	AddressCorrectionNotification	The USPS sends this notification to the customer and provides the Job information for which the AddressCorrection data is ready		From
15	AddressCorrectionDelivery	The USPS sends this detail data delivery to the customer with all the data available in the FullServiceAddressCorrectionQueryResponse message		From
16	NixieDetailNotification	The USPS sends this notification to the customer and provides the Job information for which the NixieDetail data is ready		From
17	NixieDetailDelivery	The USPS sends this detail data delivery to the customer with all the data available in the FullServiceNixieDetailQueryResponse message		From
18	FullServcieNonComplianceDataWithPostageOwedQueryNotification	The USPS sends this notification to the customer providing information on data availability		From
19	FullServcieNonComplianceDataWithPostageOwedQueryDelivery	The USPS send the detail data to customer server		From
20	FullServcieNonComplianceDataWithPostageOwedQueryRequest	The USPS customer constructs the message and send it to USPS servers	From	
21	FullServcieNonComplianceDataWithPostageOwedQueryResponse	The USPS responds to the Query Request message with either data or error code through this message.		From
22	NotificationResponse	This message is used in response to all messages that end in the word 'Notification'	From	
23	DeliveryResponse	This message is used in response to all messages that end in the word 'Delivery'	From	

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4. Mail.XML 10.0A Data Feedback and Profile Management and Miscellaneous Messages

The section below lists all messages that will be supported in the Mail.XML 10.0 A specification. This section spells out the business rules and data structure for each of those messages.

4.1 ByForConflictNotification

This message is sent by USPS to customer end server notifying them with the availability of By/For conflict data
* - Bugs have been identified with the By/For messages which shall be fixed in Fall 2011.

NOTE: THIS MESSAGE WILL NOT BE SUPPORTED IN JUNE 2011 RELEASE, due to issues previously identified and planned for a fix in fall of 2011.

Prerequisites

- Mailer has subscribed to receive By/For Conflict Notification messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS checks the availability of By/For Conflict data about discrepancy within the eDoc at different levels for the owner and preparer information.
- USPS pushes the notification message to the Mailer's web service end point

Business Rules

- If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a date of notification and will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.

4.1.1 ByForConflictNotification Data Structure

Field Description

ByForConflictNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingParty	ParticipantIDType complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	SubmittingSoftware complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-

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ByForConflictNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGINS			Optional choice block. Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID can be provided.	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Required when Mail.XML version is used	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	-
NotificationDate	Date	YYYY-MM-DD	Required	-

4.2 ByForConflictDelivery

This message is pushed by USPS to customer end server providing By/For conflict data

NOTE: This message will not be supported in June 2011, however it will be supported in a future release, which is to be determined.

Prerequisites

- Mailer has subscribed to receive ByForConflictDelivery messages
- Mailer has subscribed to receive By/For Conflict Notification messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS checks the availability of By/For Conflict data about discrepancy within the eDoc at different levels for the owner and preparer information.
- USPS pushes the notification message to the Mailer's web service end point
- USPS pushes ByForConflictDelivery message to the Mailer's web service end point

Business Rules

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- If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the By/For Conflict detail data to the customer about By For Conflicts if the customer has registered for By For Conflict Delivery messages and shall send a delivery message to the customer

4.2.1 ByForConflictDelivery Data Structure

Field Description

ByForConflictDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
LargeTransactionDividerGroup OptionalType	LargeTransactionDividerGroup OptionalType Attribute block	-	Required	Refer this attribute block in Appendix C
SubmittingParty	participantID Type complex type		Optional	Refer this complex type in Appendix A
SubmittingSoftware	SubmittingSoftware complex type		Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient Complex Type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	
ByForConflict	byForConflict Type complex type	-	Required 1 to many allowed	Refer this complex type in Appendix A

4.3 ByForConflictQueryRequest

This message is sent by customer to pull By/For conflict data.

NOTE: This message will not be supported in June 2011, however it will be supported in a future release, which is to be determined.

Prerequisites

- Customer uses Mail.XML 10.0 spec.
- USPS validâtes Mail.XML message.
- USPS retrieves the data based on the search criteria provided in the request.
- USPS returns response to the Customer.

Business Rules

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With each ByForConflictQueryRequest message, the customer needs to provide information for all required blocks.

1. SubmittingParty – The *PostalOne!* system for all data distribution for full-service messages, i.e., non-FAST, non-eDoc messages, will only accept a MID or a CRID as a valid id.
2. SubmittingSoftware – The *PostalOne!* system for messages that it receives from the customer for the Mail.XML will always require
   a. A valid software name in the SoftwareName element
   b. A valid software vendor company name in the vendor element
   c. The most current version number of the software in the Version element
   d. A valid Approval Date and a valid Approval Key in the ApprovalDate and ApprovalKey elements. The approval date is the date when the USPS approved the software usage in the USPS production environment and a valid Approval Key is what the USPS provided to the Software Vendor or Mailer (who may have developed their own software) as authorization to use in all messages.

4.3.1 ByForConflictQueryRequest Data Structure

Field Description

ByForConflictQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
byForConflictQueryRequest BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	SubmittingSoftware complex type	-	Optional	Refer this complex type in Appendix A
Choice Block BEGINS	-	-	Either userlicensecode/MaildatJobID OR CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B

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ByForConflictQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Required when Mail.XML version is used	
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	
Choice Block ENDS				
byForConflictQueryRequest ENDS				

4.4 ByForConflictQueryResponse

This message contains By/For data and is sent upon receiving the request message by customer

NOTE: This message will not be supported in June 2011, however it will be supported in a future release, which is to be determined.

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

The ByForConflictQueryResponse has two major choice blocks one is QueryResults and the other is QueryErrors.

1. In QueryResults,
   - Data will be filtered based on the request criteria
   - The job information will be returned by the USPS *PostalOne!* system, and the Mail.dat Job information will be returned or Mail.XML job information will be returned. The Mail.dat Job ID and User License Code elements represent Mail.dat information and the Customer Group ID and MailingGroupID represent the Mail.XML/Postal Wizard information.
   - The customer will receive one or more ByForConflict blocks
   - The USPS as part of the QueryResults to communicate any issues can return an optional ReturnCode and Description.
2. The QueryError Block provides zero or more return codes and descriptions to communicate any issues with the response of the query.

4.4.1 ByForConflictQueryResponse Data Structure

Field Description

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ByForConflictQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ByForConflictQueryResponse BEGINS				
LargeTransactionDividerGroupType	LargeTransactionDividerGroupType Attribute	-	Required	Refer this attribute block in Appendix C
TrackingID	String 12	-	Optional Allows user to retrieve the data without resending the request message by using tracking ID in MRRR message	
Choice Block BEGINS			Either QueryResult or QueryError block is returned.	
QueryResult Block BEGIN			Required	
LargeTransactionDividerResult Block BEGIN			Optional	
LargeTransactionDivider BEGINS	-	-	Required. 1 to many allowed	-
TrackingID	String 12		Required	
LargeTransactionDivider ENDS				
LargeTransactionDividerResult Block END				
ByForConflict	byForConflictType complex type		Optional 0 to many allowed	Refer this complex type in Appendix A
QueryResult Block END				
QueryError Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
QueryError Block END				

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ByForConflictQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ByForConflictQueryResponse ENDS				

4.5 DeliveryResponse

The purpose of this message is to receive an acknowledgment from the customer when they receive a delivery message pushed by USPS

Prerequisites

- USPS pushes data to the customer's web service end point using delivery messages
- Customer send an acknowledgment using the DeliveryResponse Message

Business Rules:

- USPS expected a "DeliveryResponse" message from all customers who have been subscribed to receive "Delivery" messages from the USPS. This response confirms that delivery message has been successfully received by the customer.

- Every Delivery Message will have a unique message identifier (PushMessageID) that will be sent to the customer. Customer are encouraged to return the same PushMessageID in the DeliveryResponse message so that the *PostalOne!* system can reconcile the message delivery information.

4.5.1 DeliveryResponse Data Structure

Field Description

DeliveryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
deliveryResponse BEGINS				
Choice Block BEGINS			Optional. UserLicenseCode/MaildatJobID OR CustomerGroupID/MalingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B

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DeliveryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
CustomerGroupID	String, 25 character	-	Optional but required when Mail.XML version is used	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
Push Message ID	String, Length 25	-	Optional	
Delivery Type	String	-	Required	
ReturnInfo	basicReturnInfoType complex type	-	Required	Refer this complex type in Appendix A
deliveryResponse ENDS				

4.6 NotificationResponse

The purpose of this message is to receive an acknowledgment from the customer when they receive a notification message sent by USPS

Prerequisites

- USPS sends a Notification message to the customer's web service end point regarding the availability of data to be pulled by the customer
- Customer send an acknowledgment using the NotificationResponse Message

Business Rules

- USPS expected a "NotificationResponse" message from all customers who have been subscribed to receive "Notification" messages from the USPS. This response confirms that notification message has been successfully received by the customer.

4.6.1 NotificationResponse Data Structure

Field Description

NotificationResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
NotificationResponse BEGINS				

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NotificationResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGINS			Optional. UserLicenseCode/MaildatJobID OR CustomerGroupID/MalingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
PushMessageID	String 25	-	Optional	-
NotificationDate	Date	YYYY-MM-DD	Required	-
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
NotificationResponse ENDS				

4.7 FullServiceAddressCorrectionNotification

This is the Notification message to customer for availability of address correction information.

Prerequisites

- Mailer has subscribed to receive FullServiceAddressCorrectionNotification messages
  ACS Data Recipient Determination Process
  - Mailer submits eDOC for a Job, Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS looks up Data Distribution Profile by Mailer Owner's MID
  - USPS verifies whether Data Distribution Profile Exists
  - USPS determines Data Recipient CRID based on Profile

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- USPS attaches the Data Recipient CRID to the Piece/Piece Range Record

ACS Association and Feedback Process

- USPS receives ACS COA records
- USPS associates ACS COA records with Piece/Piece Range records
- USPS provides ACS Feedback to Data Recipient CRID attached to the Piece/Piece Range record
- USPS pushes the FullServiceAddressCorrectionNotification message to the Mailer's web service end point

Business Rules

With each FullServiceAddressCorrectionNotification message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the

1. SubmittingParty – The *PostalOne!* system for all Notification and Delivery messages will always put a value of 'USPS' in the MaildatUserLicense field.
2. SubmittingSoftware – The *PostalOne!* system for all Notification and Delivery messages will always put:
   a. The value of 'PostalOne' in the SoftwareName element
   b. The value of 'USPS' in the vendor element
   c. The most current version number available, such as 19.0 or 20.0 in the Version element
   d. The *PostalOne!* system will not fill any values in the ApprovalDate and ApprovalKey elements

3. The CRID element is for industry usage and is optional. For the Delivery messages, the *PostalOne!* system will not populate this element.

4. The *PostalOne!* system will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.

5. The *PostalOne!* system will provide the NotificationDate, which is the date when the message is transmitted.

4.7.1 FullServiceAddressCorrectionNotification Data Structure

Field Description

FullServiceAddressCorrectionNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceAddressCorrectionNotification BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A

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FullServiceAddressCorrectionNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingSoftware	SubmittingSoftware compelx type	-	Optional	Refer this complex type in Appendix A
CRID	CRIDType simple type	-	Optional	Refer this simple type in Appendix B
PushMessageID	String 25	-	Optional	-
Choice Block BEGINS			Optional Choice Block.	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
Notification Date	Date	YYYY-MM-DD	Required	-
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	-
FullServiceAddressCorrectionNotification ENDS				

4.8 FullServiceAddressCorrectionDelivery

This is a push message to provide address correction

Prerequisites

- Mailer has subscribed to receive FullServiceAddressCorrectionDelivery messages
  ACS Data Recipient Determination Process
  - Mailer submits eDOC for a Job, Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS looks up Data Distribution Profile by Mailer Owner's MID
  - USPS verifies whether Data Distribution Profile Exists

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- USPS determines Data Recipient CRID based on Profile
- USPS attaches the Data Recipient CRID to the Piece/Piece Range Record

ACS Association and Feedback Process

- USPS receives ACS COA records
- USPS associates ACS COA records with Piece/Piece Range records
- USPS provides ACS Feedback to Data Recipient CRID attached to the Piece/Piece Range record

- USPS pushes the FullServiceAddressCorrectionDelivery message to the Mailer's web service end point

Business Rules

With each FullServiceAddressCorrectionDelivery message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the

1. OPTIONAL LargeTransactionDivideroptionalGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions and records to expect and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.
   a. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10, indicating all the transactions with MessageGroupID 10 are one business transaction.
   b. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.
   c. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the first, second, or third transaction from the TotalMessageCount and for the same MessageGroupID.
   d. TransmittedRecordCount – is count of records in the current message transaction.
   e. TotalRecordsAccrossMessages – This is the total expected record count when the receiver of the MessageGroupID has received all messages.
   f. LastMessage – is a Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID e.g., MessageGroupID 10.
2. SubmittingParty – The *PostalOne!* system for all Notification and Delivery messages will always put a value of 'USPS' in the MaildatUserLicense field.
3. SubmittingSoftware – The *PostalOne!* system for all Notification and Delivery messages will always put:
   a. The value of 'PostalOne' in the SoftwareName element
   b. The value of 'USPS' in the vendor element
   c. The most current version number available, such as 19.0 or 20.0 in the Version element
   d. The *PostalOne!* system will not fill any values in the ApprovalDate and ApprovalKey elements
4. The CRID element is for industry usage and is optional. For the Delivery messages, the *PostalOne!* system will not populate this element.
5. The *PostalOne!* system will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.
6. The *PostalOne!* system will send one or more FullServiceAddressCorrection blocks.

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a. The *PostalOne!* system will provide Move Type to identify the type of move for Individual, Family or Business (indicated by values 'I', 'F', or 'B' respectively).

b. The COAName element will be used to identify the following:

- Individual/Family Move Type = Last Name, First Name, Prefix and Suffix
- Business Move Type = BusinessName will be utilize to provide business name information

c. The ClassNotificationType element will be used to identify the mail class of the mail piece that generated the ACS COA notification for the following values:

- 'A' = Package Services (Bound Printed Matter)
- 'B' = First-Class
- 'C' = Periodicals Initial
- 'D' = Standard Mail
- 'F' = Periodicals Follow-up

d. The DeliverabilityCodeType element will be used to identify the deliverability status of the mailpiece that generated the ACS COA notification for the following values:

- <blank> = COA Match with new address
- 'K' = COA Match, no forwarding address
- 'G' = COA Match, PO Box Closed, no forwarding address
- 'W' = COA Match with a temporary COA

e. The AddressType element will be used to identify the type of address from which the customer is moving for the following values:

- 'G' = General Delivery
- 'H' = Highway Contract Route
- 'P' = Post Office Box
- 'R' = Rural Route
- 'S' = Street Address

4.8.1 FullServiceAddressCorrectionDelivery Data Structure

Field Description

FullServiceAddressCorrectionDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceAddressCorrectionDelivery BEGINS				
LargeTransactionDividerGroupOptionalType	LargeTransactionDividerGroupOptionalType Attribute block	-	Attribute block	Refer this attribute block in Appendix C

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FullServiceAddressCorrectionDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	SubmittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String, Length 25	-	Optional	-
FullServiceAddressCorrection	FullServiceAddressCorrectionType Complex type	-	Required 1 to many	Refer this complex type in Appendix A
FullServiceAddressCorrectionDelivery ENDS				

4.9 FullServiceAddressCorrectionQueryRequest

This is request message to pull COA data

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

With each FullServiceAddressCorrectionQueryRequest message, the customer needs to provide information for all required blocks. The business rules defined below are not necessarily for required elements.

1. SubmittingParty – The *PostalOne!* system for all data distribution for full-service messages, i.e., non-FAST, non-eDoc messages, will only accept a MID or a CRID as a valid id.
2. SubmittingSoftware – The *PostalOne!* system for messages that it receives for the Mail.XML will always require
   a. A valid software name in the SoftwareName element
   b. A valid software vendor company name in the vendor element

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c. The most current version number of the software in the Version element
d. A valid Approval Date and a valid Approval Key in the ApprovalDate and ApprovalKey elements. The approval date is the date when the USPS approved the software usage in the USPS production environment and a valid Approval Key is what the USPS provided to the Software Vendor or Mailer (who may have developed their own software) as authorization to use in all messages.

3. The OwningParty information can also be provided optionally, if the data is requested by third parties based upon existing profiles or cast of characters messages.
4. The customer shall also provide piece information such as optional piece ranges and job info, as well as date ranges by providing one or more PieceRequest blocks.

4.9.1 FullServiceAddressCorrectionQueryRequest Data Structure

Field Description

FullServiceAddressCorrectionQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceAddressCorrectionQueryRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
OwningParty	participantIDType complex type	-	Optional	Refer this complex type in Appendix A
Piece Request Block BEGIN			Required 1 to many allowed	
Mail Class	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
Choice Block BEGIN			Optional	
LowerIMBRange	iMBType simple type	-	Required	Refer this simple type in Appendix B

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FullServiceAddressCorrectionQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
UpperIMBRange	iMBType simple type	-	Required	Refer this simple type in Appendix B
Choice Block END				
Choice Block BEGINS			Optional Choice block. Either UserLicenceCode/MaildatJobID OR CustomerGroupID/MailingGroupID	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
Date Range Block BEGIN			Required block	

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FullServiceAddressCorrectionQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
LowerDateRange	Date	YYYY-MM-DD	Required	This date is a *PostalOne!* date starting in March 2010 to make sure time delay issues when the data is received by PostalOne! don't have any impact to the customer querying the data.
UpperDateRange	Date	YYYY-MM-DD	Required	-See Lower Date Range comment above.
Date Range Block END				
Piece Request Block END				
FullServiceAddressCorrectionQueryRequest ENDS				

4.10 FullServiceAddressCorrectionQueryResponse

This message sends the actual COA data back to the requestor

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rule

With each FullServiceAddressCorrectionQueryResponse message, the *PostalOne!* system will provide the

1. Mandatory LargeTransactionDividerGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions and records to expect, and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.
    a. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10 and until the last transaction is received on this business transaction, the MessageGroupID will

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remain 10 for all transactions, so the receiver knows that all the transactions with MessageGroupID 10 are one business transaction.

b. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.

c. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the 1st, 2nd, 3rd transaction from the TotalMessageCount and for the same MessageGroupID.

d. TransmittedRecordCount – is count of records in the current message transaction.

e. TotalRecordsAccrossMessages – This is the total expected record count when all transactions have been received by the receiver for the MessageGroupID.

f. LastMessage – is an optional Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID e.g., MessageGroupID 10.

The FullServiceAddressCorrectionQueryResponse has two major choice blocks one is QueryResults and the other is QueryErrors.

- In QueryResults,
  - The customer will receive zero or more FullServiceAddressCorrection blocks with job information and address correction information.
  - The customer may also optionally receive Return Codes and Descriptions as part of the Query Results.
- The QueryError Block provides zero or more return codes and descriptions to communicate any issues with the response of the query.

4.10.1 FullServiceAddressCorrectionQueryResponse Data Structure

Field Description

FullServiceAddressCorrectionQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceAddressCorrectionQueryResponse BEGINS				
LargeTransactionDividerGroupType	LargeTransactionDividerGroupType attribute		Required	Refer this attribute group in Appendix C
TrackingID	String 12	-	Optional Required when the block data is provided	
Choice Block BEGIN			Either QueryResults block or QueryError block will be returned	

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FullServiceAddressCorrectionQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
QueryResult Block BEGINS				
LargeTransactionDividerResult	LargeTransactionDividerResult attribute	-	Optional	Refer this attribute block in Appendix C
FullServiceAddressCorrection	FullServiceAddressCorrectionType Complex Type	-	Optional 0 to many	Refer this complex type in Appendix A
Query Result Block END				
Query Error Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
Query Error Block END				
Choice Block ENDS				
FullServiceAddressCorrectionQueryResponse ENDS				

4.11 FullServiceContainerVisibilityNotification

This is the Notification message to customer providing them information on their container.

Prerequisites

- Mailer has subscribed to receive FullServiceContainerVisibilityNotification messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS validates Mail.XML messages
- USPS processes the Mail.dat jobs or Mail.XML messages, generates postage, and reports
- Postage statement finalization exposes data to SASP
- USPS interprets eDoc information, and performs Full-service verification
- USPS determines Data Recipients
- USPS sends Mailer Feedback to *PostalOne!*
- USPS Checks the availability of data to the Mailer
- USPS pushes the notification message to the Mailer's web service end point

Business Rules

With each FullServiceContainerVisibilityNotification message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a

- Date of notification **AND**

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- Provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML to the customer, so the customer can use the Job information in his/her Query request.

4.11.1 FullServiceContainerVisibilityNotification Data Structure

Field Description

FullServiceContainerVisibilityNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceContainerVisibilityNotification BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-
Choice Block BEGINS			Optional	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
NotificationDate	Date	YYYY-MM-DD	Required	-
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	-
FullServiceContainerVisibilityNotification ENDS				

4.12 FullServiceContainerVisibilityDelivery

This is a push message to provide container visibility

Prerequisites

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- Mailer has subscribed to receive FullServiceContainerVisibilityDelivery messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS validates Mail.XML messages
- USPS processes the Mail.dat jobs or Mail.XML messages, generates postage, and reports
- Postage statement finalization exposes data to SASP
- USPS interprets eDoc information, and performs Full-service verification
- USPS determines Data Recipients and Start-the-Clock
- USPS sends Mailer Feedback to *PostalOne!*
- USPS checks the availability of data to the Mailer
- USPS pushes the Container Visibility message to the Mailer's web service end point

Business Rules

With each FullServiceContainerVisibilityDelivery message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the

- OPTIONAL LargeTransactionDivideroptionalGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions, records to expect, and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.

  b. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10 and until the last transaction is received on this business transaction, the MessageGroupID will remain 10 for all transactions, so the receiver knows that all the transactions with MessageGroupID 10 are one business transaction.

  c. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.

  d. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the 1st, 2nd, 3rd transaction from the TotalMessageCount and for the same MessageGroupID.

  e. TransmittedRecordCount – is a count of records in the current message transaction.

  f. TotalRecordsAccrossMessages – This is the total expected record count when the receiver for the MessageGroupID has received all transactions.

  g. LastMessage – is a Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID. For example: MessageGroupID 10.

- SubmittingParty – The *PostalOne!* system for all Notification and Delivery messages will always put a value of 'USPS' in the MaildatUserLicense field.

- SubmittingSoftware – The *PostalOne!* system for all Notification and Delivery messages will always put

  a. The value of 'PostalOne' in the SoftwareName element

  b. The value of 'USPS' in the vendor element

  c. The most current version number available, such as 19.0 or 20.0 in the Version element

  d. The *PostalOne!* system will not fill any values in the ApprovalDate and ApprovalKey elements

- The CRID element is for industry usage and is optional. For the Delivery messages, the *PostalOne!* system will not populate this element.

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- The *PostalOne!* system will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML to the customer.
- The *PostalOne!* system will send one or more FullServiceContainerVisibility blocks.
- Full-service ACS™ COA and Nixie data grouping: All XML Messages for the Full-service ACS COA and Full-service ACS Nixie data are grouped by Mail.dat Job ID/User License Code OR Mailing Group/Container Group AND Data Recipient CRID. The data recipient CRID is attached to the Full-service ACS transactions by the SASP system based upon the eDoc By/For and/or the MID profile/Cast of Characters communication.

4.12.1 FullServiceContainerVisibilityDelivery Data Structure

Field Description

FullServiceContainerVisibilityDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceContainerVisibilityDelivery BEGINS				
LargeTransactionDividerGroup OptionalType	LargeTransactionDividerGroup OptionalType Attribute	-	Required	Refer this attribute block in Appendix C
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	SubmittingSoftware complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-
ContainerVisibilityEntry	ContainerVisibilityEntry complex type	-	Required 1 to many	Refer this complex type in Appendix A
FullServiceContainerVisibilityDelivery ENDS				

4.13 FullServiceContainerVisibilityQueryRequest

This message is sent by customer to pull container visibility data

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Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

With each FullServiceContainerVisibilityQueryRequest message, the customer needs to provide information for all required blocks.

1. SubmittingParty – The *PostalOne!* system for all data distribution for full-service messages, i.e., non-FAST, non-eDoc messages, will only accept a MID or a CRID as a valid id.
2. SubmittingSoftware – The *PostalOne!* system for messages that it receives for the Mail.XML will always require
   a. A valid software name in the SoftwareName element
   b. A valid software vendor company name in the vendor element
   c. The most current version number of the software in the Version element
   d. A valid Approval Date and a valid Approval Key in the ApprovalDate and ApprovalKey elements. The approval date is the date when the USPS approved the software usage in the USPS production environment and a valid Approval Key is what the USPS provided to the Software Vendor or Mailer (who may have developed their own software) as authorization to use in all messages.
3. The job information can also be provided optionally, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML by the customer.
4. The FAST appointment ID or the CSA Dispatch ID, created by the FAST system, can be provided optionally in the ConsigneeApptID or CSADispatchNumber elements respectively.
5. The customer can also optionally provide the 21 digit Pallet IMCB barcodes in the UniqueContainerBarcode element tied to the Mail.XML job information or Mail.dat Job information and can optionally provide the Locale Key of the Induction facility in the USPSInductionFacilityLocaleKey element.
6. The customer can also optionally provide the Mail.XML Container ID in the CustomerContainerID element tied to the Mail.XML job information or can optionally provide the Mail.dat ContainerID in the ContainerID element.

4.13.1 FullServiceContainerVisibilityQueryRequest Data Structure

Field Description

FullServiceContainerVisibilityQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceContainerVisibilityQuery Request BEGINS				

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FullServiceContainerVisibilityQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwarType complex type	-	Optional	Refer this complex type in Appendix A
Choice Block BEGIN			Optional	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
Choice Block BEGINS			Optional	
ConsigneeApptID	Numeric String, 9	-	Optional between this field and CSA Dispatch Number	-
CSADispatchNumber	String, 10	-	Optional between this field and Consignee Appt ID	
Choice Block END				
IMcb	IMcbType simple type	-	Optional 0 to many	Refer this simple type in Appendix B
USPSInductionFacilitylocaleKey	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceContainerVisibilityQuery Request ENDS				

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4.14 FullServiceContainerVisibilityQueryResponse

This message contains container visibility data and is sent upon receiving the request message

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

With each FullServiceContainerVisibilityQueryResponse message the *PostalOne!* system will provide the

1. Mandatory LargeTransactionDividerGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions and records to expect, and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.
   a. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10 and until the last transaction is received on this business transaction, the MessageGroupID will remain 10 for all transactions, so the receiver knows that all the transactions with MessageGroupID 10 are one business transaction.
   b. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.
   c. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the 1st, 2nd, 3rd transaction from the TotalMessageCount and for the same MessageGroupID.
   d. TransmittedRecordCount – is count of records in the current message transaction.
   e. TotalRecordsAccrossMessages – This is the total expected record count when the receiver of the MessageGroupID has received all messages.
   f. LastMessage – is an optional Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID e.g., MessageGroupID 10.

The FullServiceContainerVisibilityQueryResponse has two major choice blocks one is QueryResults and the other is QueryErrors.

- In QueryResults,
  - The job information will be returned by the USPS *PostalOne!* system, and the Mail.dat Job information will be returned or Mail.XML job information will be returned. The Mail.dat Job ID and User License Code elements represent Mail.dat information and the Customer Group ID and MailingGroupID represent the Mail.XML.
  - The customer will receive zero or more ContainerVisibilityEntry blocks with container unload and scan information.

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- The customer may also optionally receive Return Codes and Descriptions as part of the Query Results.

- The QueryError Block provides zero or more return codes and descriptions to communicate any issues with the response of the query.

4.14.1 FullServiceContainerVisibilityQueryResponse Data Structure

Field Description

FullServiceContainerVisibilityQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceContainerVisibilityQuery Response BEGINS				
LargeTransactionDividerGroupType	LargeTransactionDividerGroupType attribute	-	Required	Refer this attribute block in Appendix C
Tracking ID	String 12	-	Optional. Allows the user to retrieve the date without requerying	-
Choice Block BEGINS			Either QueryResult or QueryError will be returned	
QueryResult block BEGINS			1 to many allowed	
LargeTransactionDividerResult	LargeTransactionDividerResult attribute	-	Optional	Refer this attribute block in Appendix C
ContainerVisibilityEntry	ContainerVisibilityEntry complex type	-	Optional 0 to many allowed	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A
Query Result Block END				
Query Error Block BEGIN				

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FullServiceContainerVisibilityQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
Query Error Block END				
FullServiceContainerVisibilityQuery Response ENDS				

4.15 FullServiceDataQualityVerificationReportNotification

This is notification message sent by USPS to customer

Prerequisites

- Mailer has subscribed to receive *FullServiceDataQualityVerificationReportNotification* messages

  eDoc Data Quality Data Recipient Determination Process
  - Mailer submits eDOC for a Job,
  - Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS identifies Mail Preparer

  eDoc Data Quality Logging and Feedback Process
  - USPS performs verifications on eDoc submitted
  - USPS associates error records with eDoc containers, handling units, piece or piece range records
- USPS pushes the *FullServiceDataQualityVerificationReportNotification* message to the Mailer's web service end point

Business Rules:
If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a date of notification and will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer, and report type

4.15.1 FullServiceDataQualityVerificationReportNotification Data Structure

Field Description

FullServiceDataQualityVerificationReportNotification				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**

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FullServiceDataQualityVerificationReportNotification				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
FullServiceDataQualityVerificationReport Notification BEGINS				
SubmittingParty	participantIDType complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-
Choice Block BEGINS			Required.	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
eDocSenderCRID	CRIDType simple type		Optional	Refer this simple type in Appendix B
VerificationReport Type	verificationReportType simple type	-	Required 1 to many allowed	Refer this simple type in Appendix B
FullServiceAvailability Date	Date	YYYY-MM-DD	Required	-
NotificationDate	Date	YYYY-MM-DD	Required	
FullServiceDataQualityVerificationReport Notification ENDS				

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4.16 FullServiceDataQualityVerificationReportDelivery

This message is pushed by USPS and contains data quality verification report

Prerequisites

- Mailer has subscribed to receive *FullServiceDataQualityVerificationReportDelivery* messages

  eDoc Data Quality Data Recipient Determination Process
  - Mailer submits eDOC for a Job,
  - Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS identifies Mail Preparer

  eDoc Data Quality Logging and Feedback Process
  - USPS performs verifications on eDoc submitted
  - USPS associates error records with eDoc containers, handling units, piece or piece range records
- USPS pushes the FullServiceDataQualityVerificationReportDelivery message to the Mailer's web service end point

Business Rules:
If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a date of notification and will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer, report type, and details about the error

4.16.1 FullServiceDataQualityVerificationReportDelivery Data Structure

Field Description

FullServiceDataQualityVerificationReportDelivery				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
FullServiceDataQualityVerificationReportDelivery BEGINS				
LargeTransactionDividerGroupOptionalType	LargeTransactionDividerGroupOptional Type Attribute	-	Required	Refer this attribute block in Appendix C
SubmittingParty	participantIDType complex type		Optional	Refer this complex type in Appendix A

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FullServiceDataQualityVerificationReportDelivery				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
SubmittingSoftware	submittingSoftwareType complex type		Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
Choice Block BEGINS				
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
eDocSenderCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
PushMessageID	String 25	-	Optional	-
TotalJobContainerCount	nonnegative Integer		Optional	
TotalJobHandlingUnitCount	nonnegative Integer		Optional	
TotalJobPieceCount	nonnegative Integer		Optional	
TotalJobContainerHUErrorCount	nonnegative Integer		Optional	
TotalJobPieceErrorCount	nonnegative Integer		Optional	
Sequence BEGIN			0 to many	
PreparerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
TotalPreparerContainerCount	nonnegative Integer		Required	

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FullServiceDataQualityVerificationReportDelivery				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
TotalPreparerHandling UnitCount	xs:nonNegativeInteger		Required	
TotalPreparerPiece Count	nonnegative Integer		Required	
TotalPreparerContainer HUErrorCount	nonnegative Integer		Required	
TotalPreparerPieceError Count	nonnegative Integer		Required	
Sequence END				
Sequence BEGIN			Optional 0 to many allowed	
OwnerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
TotalOwnerContainer Count	nonnegative Integer		Required	
TotalOwnerHandlingUnit Count	nonnegative Integer		Required	
TotalOwnerPieceCount	nonnegative Integer		Required	
TotalOwnerContainerHU ErrorCount	nonnegative Integer		Required	
TotalOwnerPieceErrorC ount	nonnegative Integer		Required	
Sequence END			-	
Sequence BEGIN			Required 1 to many allowed	

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FullServiceDataQualityVerificationReportDelivery				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
VerificationReportType	verificationReport Type simple type	-	Required	Refer this simple type in Appendix B
FullServiceDataQuality ContainerInfo	fsdqrContainerInf oType complex type		Required 1 to many allowed	Refer this complex type in Appendix A
Sequence END				
FullServiceDataQuality VerificationReportDeliv ery ENDS				

4.17 FullServiceDataQualityVerificationReportQueryRequest

Customers send this message to USPS for the pull data quality verification error report.

Prerequisites

- Mailer submits Mail.dat jobs, Mail XML or Postal Wizard eDoc to *PostalOne!*
- USPS validates Mail.XML messages
- USPS processes the Mail.dat jobs, Mail.XML messages or Postal Wizard
- USPS generates postage and reports
- Postage statement has been finalized by USPS
- USPS interprets eDoc information, and performs Full-service verification
- USPS checks the availability of eDoc data quality information to the Mailer
- USPS responds to the FullServiceDataQualityVerificationReportQueryRequest message to the Mailer's web service end point.

Business Rules

The customer must provide job information, submitting party, submitting software, facility id, and the report type to retrieve the data quality verification report.

4.17.1 FullServiceDataQualityVerificationReportQueryRequest Data Structure

Field Description

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FullServiceDataQualityVerificationReportQueryRequest				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
FullServiceDataQualityVerificationReportQueryRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
Choice Block BEGINS			Required	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
eDocSenderCRID	CRIDType simple type		Optional	Refer this simple type in Appendix B
VerificationReportType	verificationReportType simple type	-	Required 1 to many	Refer this simple type in Appendix B
FullServiceDataQualityVerificationReportQueryRequest ENDS				

4.18 FullServiceDataQualityVerificationReportQueryResponse

This message is sent by USPS in response to query request

Prerequisites

- Mailer sends FullServiceDataQualityVerificationReportQueryRequest message to USPS
- USPS validates Mail.XML message and processes request

Error/Return Code

Refer Section 2 for the list of Error/Return code tied to this message and all shared error/return codes

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Business Rules
If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a date of notification and will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer, report type, and details about the error

4.18.1 FullServiceDataQualityVerificationReportQueryResponse Data Structure

Field Description

FullServiceDataQualityVerificationReportQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
FullServiceDataQualityVerificationReportQueryResponse BEGINS				
LargeTransactionDividerGroupOptionalType	LargeTransactionDividerGroupOptional Type Attribute block	-	Required	Refer this attribute block in Appendix C
TrackingID	String 12	-	Optional Allows the user to retrieve the data without requerying	-
Choice Block BEGINS			Either QueryResult or QueryError block is returned	
QueryResult Block BEGIN			Required	
SubmittingParty	participantIDType complex type		Required	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type		Required	Refer this complex type in Appendix A
Choice Block BEGINS			Required Choice Block	

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FullServiceDataQualityVerificationReportQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
UserLicenseCode	userLicenseCode Type simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
LargeTransactionDivider Result	LargeTransaction DividerResult attribute	-	Optional	Refer this attribute block in Appendix C
eDocSenderCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
TotalJobContainerCount	nonnegative Integer		Optional	
TotalJobHandlingUnitCo unt	nonnegative Integer		Optional	
TotalJobPieceCount	nonnegative Integer		Optional	
TotalJobContainerHU ErrorCount	nonnegative Integer		Optional	
TotalJobPieceError Count	nonnegative Integer		Optional	
Sequence BEGIN			Optional 0 to many allowed	
PreparerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
TotalPreparerContainer Count	nonnegative Integer		Required	
TotalPreparerHandling UnitCount	xs:nonNegativeIn teger		Required	
TotalPreparerPiece Count	nonnegative Integer		Required	
TotalPreparerContainer HUErrorCount	nonnegative Integer		Required	

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FullServiceDataQualityVerificationReportQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
TotalPreparerPieceError Count	nonnegative Integer		Required	
Sequence END				
Sequence BEGIN			Optional 0 to many allowed	
OwnerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
TotalOwnerContainer Count	nonnegative Integer		Required	
TotalOwnerHandlingUnit Count	nonnegative Integer		Required	
TotalOwnerPieceCount	nonnegative Integer		Required	
TotalOwnerContainerHU ErrorCount	nonnegative Integer		Required	
TotalOwnerPieceError Count	nonnegative Integer		Required	
Sequence END			Required	
Sequence BEGIN			Required 1 to many	
VerificationReportType	verificationReport Type	-	Required	Refer this simple type in Appendix B
FSDQRContainerInfo	fsdqrContainerInf oType complex type		Required	Refer this complex type in Appendix A
Sequence END				

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FullServiceDataQualityVerificationReportQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
QueryResult Block END				
QueryError Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
QueryError block END				
Choice Block ENDS				
FullServiceDataQuality VerificationReportQuery yResponse ENDS				

4.19 FullServiceNixieDetailNotification

This is the Notification message to customer for Nixie information.

Prerequisites

- Mailer has subscribed to receive FullServiceNixieDetailNotification messages
  ACS Data Recipient Determination Process
  - Mailer submits eDOC for a Job, Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS looks up Data Distribution Profile by Mailer Owner's MID
  - USPS verifies whether Data Distribution Profile Exists
  - USPS determines Data Recipient CRID based on Profile
  - USPS attaches the Data Recipient CRID to the Piece/Piece Range Record

  ACS Association and Feedback Process
  - USPS receives ACS and Nixie records
  - USPS associates ACS and Nixie records with Piece/Piece Range records
  - USPS provides ACS Feedback to Data Recipient CRID attached to the Piece/Piece Range record
- USPS pushes the FullServiceNixieDetailNotification message to the Mailer's web service end point

Business Rules

With each FullServiceNixieDetailNotification message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the

1. SubmittingParty – The *PostalOne!* system for all Notification and Delivery messages will always put a value of 'USPS' in the MaildatUserLicense field.
2. SubmittingSoftware – The *PostalOne!* system for all Notification and Delivery messages will always put
   a. The value of 'PostalOne' in the SoftwareName element
   b. The value of 'USPS' in the vendor element

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c. The most current version number available, such as 19.0 or 20.0 in the Version element
d. The *PostalOne!* system will not fill any values in the ApprovalDate and ApprovalKey elements

3. The CRID element is for industry usage and is optional. For the Delivery messages, the *PostalOne!* system will not populate this element.
4. The *PostalOne!* system will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.
5. The *PostalOne!* system will provide the NotificationDate, which is the date when the message is transmitted.

4.19.1 FullServiceNixieDetailNotification Data Structure

Field Description

FullServiceNixieDetailNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNixieDetailNotification BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
CRID	CRIDType simple type	-	Optional	Refer this simple type in Appendix B
PushMessageID	String 25	-	Optional	-
Choice Block BEGINS			Optional. Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	

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FullServiceNixieDetailNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	-
Notification Date	Date	YYYY-MM-DD	Required	-
FullServiceNixieDetailNotification ENDS				

4.20 FullServiceNixieDetailDelivery

This is a push message to provide Nixie information

Prerequisites

- Mailer has subscribed to receive FullServiceNixieDetailDelivery messages
  ACS Data Recipient Determination Process
  - Mailer submits eDOC for a Job, Postage Statement is Finalized
  - USPS performs By/For Verification
  - USPS validate whether Mail Owner MID provided in CPT/MPA/IMR record in eDOC.
  - USPS identifies Mail Owner by MID based on Order of Preference
  - USPS looks up Data Distribution Profile by Mailer Owner's MID
  - USPS verifies whether Data Distribution Profile Exists
  - USPS determines Data Recipient CRID based on Profile
  - USPS attaches the Data Recipient CRID to the Piece/Piece Range Record

  ACS Association and Feedback Process
  - USPS receives ACS and Nixie records
  - USPS associates ACS and Nixie records with Piece/Piece Range records
  - USPS provides ACS Feedback to Data Recipient CRID attached to the Piece/Piece Range record
- USPS pushes the FullServiceNixieDetailDelivery message to the Mailer's web service end point

Business Rule

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With each FullServiceNixieDetailDelivery message, if the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the

1. OPTIONAL LargeTransactionDivideroptionalGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions and records to expect and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.
    a. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10 and until the last transaction is received on this business transaction, the MessageGroupID will remain 10 for all transactions, so the receiver knows that all the transactions with MessageGroupID 10 are one business transaction.
    b. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.
    c. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the 1st, 2nd, 3rd transaction from the TotalMessageCount and for the same MessageGroupID.
    d. TransmittedRecordCount – is count of records in the current message transaction.
    e. TotalRecordsAccrossMessages – This is the total expected record count when the receiver of the MessageGroupID has received all messages.
    f. LastMessage – is a Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID e.g., MessageGroupID 10.
2. SubmittingParty – The *PostalOne!* system for all Notification and Delivery messages will always put a value of ‘USPS’ in the MaildatUserLicense field.
3. SubmittingSoftware – The *PostalOne!* system for all Notification and Delivery messages will always put
    a. The value of ‘PostalOne’ in the SoftwareName element
    b. The value of ‘USPS’ in the vendor element
    c. The most current version number available, such as 19.0 or 20.0 in the Version element
    d. The *PostalOne!* system will not fill any values in the ApprovalDate and ApprovalKey elements
4. The CRID element is for industry usage and is optional. For the Delivery messages, the *PostalOne!* system will not populate this element.
5. The *PostalOne!* system will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.
6. The *PostalOne!* system will send one or more FullServiceNixieDetail blocks.
    a. The ActionCode element will be used to identify the action taken for the returned mail for the following values:
        - ‘F’ = Forwarded
        - ‘W’ = Wasted
        - ‘R’ = Returned
        - ‘U’ = Unable to determine action
    b. The ClassNotificationType element will be used to identify the mail class of the mail piece that generated the ACS COA notification for the following values:

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- ‘A’ = Package Services (Bound Printed Matter)
- ‘B’ = First-Class
- ‘C’ = Periodicals Initial
- ‘D’ = Standard Mail
- ‘F’ = Periodicals Follow-up

c. Reason Code - Reason mail element will be used to identify the reason for the returned mail for the following values:

- ‘A’ = Attempted, not known
- ‘B’ = Returned for better address
- ‘D’ = Outside delivery limits
- ‘E’ = In dispute
- ‘I’ = Insufficient Address
- ‘L’ = Illegible
- ‘M’ = No mail receptacle
- ‘N’ = No such number
- ‘P’ = Deceased
- ‘Q’ = Not deliverable as addressed/unable to forward
- ‘R’ = Refused
- ‘S’ = No such street
- ‘U’ = Unclaimed
- ‘V’ = Vacant
- ‘X’ = No such office

4.20.1 FullServiceNixieDetailDelivery Data Structure

Field Description

FullServiceNixieDetailDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNixieDetailDelivery BEGINS				
LargeTransactionDividerGroup OptionalType	LargeTransactionDividerGroup OptionalType Attribute	-	Required	Refer this attribute block in Appendix C
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A

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FullServiceNixieDetailDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
Push Message ID	String, Length 25	-	Optional	-
FullServiceNixieDetail	FullServiceNixieDetailType Complex type	-	Required 1 to many allowed	Refer this complex type in Appendix A
FullServiceNixieDetailDelivery ENDS				

4.21 FullServiceNixieDetailQueryRequest

This is request message to pull Nixie data

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

With each FullServiceNixieDetailQueryRequest message, the customer needs to provide information for all required blocks. See below the business rule specific to fields.

1. SubmittingParty – The *PostalOne!* system for all data distribution for full-service messages, i.e., non-FAST, non-eDoc messages, will only accept a MID or a CRID as a valid id.
2. SubmittingSoftware – The *PostalOne!* system for messages that it receives for the Mail.XML will always require
   a. A valid software name in the SoftwareName element
   b. A valid software vendor company name in the vendor element
   c. The most current version number of the software in the Version element
   d. A valid Approval Date and a valid Approval Key in the ApprovalDate and ApprovalKey elements. The approval date is the date when the USPS approved the software usage in the USPS production environment and a valid Approval Key is what the USPS provided to the Software Vendor or Mailer (who may have developed their own software) as authorization to use in all messages.

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3. The RequestorCRID can be used to identify the requestor through the company CRID.
4. The customer can also provide the 6-digit or 9-digit OriginalMailerID.
5. The customer shall also provide one or more PieceRequests with piece ranges, class, date range and job information.

4.21.1 FullServiceNixieDetailQueryRequest Data Structure

Field Description

FullServiceNixieDetailQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNixieDetailQueryRequest BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingPartyType complex type	-	Optional	Refer this complex type in Appendix A
Requester CRID	CRIDType simple type	-	Optional	Refer this simple type in Appendix B
Choice Block BEGIN			Optional Block	
OriginalMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
OriginalMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B
Choice Block END				
Piece Request Block BEGIN			Required 1 to many allowed	
Mail Class	mailClassType simple type	-	Optional	Refer this simple type in Appendix B

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FullServiceNixieDetailQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGIN			Optional Either Lower or Upper IMBRange is required	
LowerIMBRange	iMBType simple type	-	Required	Refer this simple type in Appendix B
UpperIMBRange	iMBType simple type	-	Required	Refer this simple type in Appendix B
Choice Block END				
Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
Date Range Block BEGIN			Required	

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FullServiceNixieDetailQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
LowerDateRange	Date	YYYY-MM-DD	Required	This date is a *PostalOne!* date starting in March 2010 to make sure time delay issues when the data is received by PostalOne! Do not have any impact to the customer querying the data.
UpperDateRange	Date	YYYY-MM-DD	Required	-See Lower Date Range comment above.
Date Range Block END				
Piece Request Block ENDs				
FullServiceNixieDetailQueryRequest ENDS				

4.22 FullServiceNixieDetailQueryResponse

This message sends the actual Nixie data back to the requestor

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

With each FullServiceNixieDetailQueryResponse message, the *PostalOne!* system will provide the

1. Mandatory LargeTransactionDividerGroupType. This type is created to allow breaking up of any large data into multiple transactions, with Feet Ahead concept, where the sender of the large data is providing information about how many total transactions and records to expect, and what is the current transaction number among the total expected transactions etc. as part of this one business transaction.
    a. MessageGroupID – It is a Sequence Number and will remain the same until all the transactions are completed, e.g., MessageGroupID is 10 and until the last transaction is received on this business transaction, the MessageGroupID will

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remain 10 for all transactions, so the receiver knows that all the transactions with MessageGroupID 10 are one business transaction.

b. TotalMessageCount - This element tells the receiver that for MessageGroupID of 10 expect a total of X transactions, the X is a positive integer.

c. MessageSerialNumber – Is a serial number that will always start with 1 for every MessageGroupID, so the receiver always know if this is the 1st, 2nd, 3rd transaction from the TotalMessageCount and for the same MessageGroupID.

d. TransmittedRecordCount – is count of records in the current message transaction.

e. TotalRecordsAccrossMessages – This is the total expected record count when the receiver of the MessageGroupID has received all messages LastMessage – is an optional Yes or No indicator confirming for the receiver that this transaction is the last transaction of the MessageGroupID e.g., MessageGroupID 10.

The FullServiceNixieDetailResponse has two major choice blocks one is QueryResults and the other is QueryErrors.

- In QueryResults,
  - The customer will receive zero or more FullServiceNixieDetail blocks with job info, original MID information and Nixie address information.
  - The customer may also optionally receive Return Codes and Descriptions as part of the Query Results.
- The QueryError Block provides zero or more return codes and descriptions to communicate any issues with the response of the query.

4.22.1 FullServiceNixieDetailQueryResponse Data Structure

Field Description

FullServiceNixieDetailQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNixieDetailQueryRespo nse BEGINS				
LargeTransactionDividerGroupType	LargeTransa ctionDividerG roupType Attribute	-	Required	Refer this attribute block in Appendix C
TrackingID	String 12	-	Optional. Allows the user to retrieve the data without requerying it again	-

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FullServiceNixieDetailQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGINS			Required Either QueryResult or QueryError will be returned	
Query Result Block BEGIN				
LargeTransactionDividerResult	LargeTransactionDividerResult Attribute	-	Optional	Refer this attribute block in Appendix C
FullServiceNixieDetail	fullServiceNixieDetailType complex type	-	Optional. 0 to many allowed	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A
Query Result Block END				
Query Error Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
Query Error Block END				
FullServiceNixieDetailQueryResponse ENDS				

4.23 FullServiceStartTheClockNotification

The purpose of this message is to provide notification to customers with the StartTheClock information

Prerequisites

- Mailer has subscribed to receive StartTheClock Notification messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS validates Mail.XML messages
- USPS processes the Mail.dat jobs or Mail.XML messages, generates postage, and reports
- Postage statement finalization exposes data to SASP
- USPS interprets eDoc information, and performs Full-service verification
- USPS determines Data Recipients and Start-the-Clock
- USPS sends Mailer Feedback to *PostalOne!*

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- USPS Checks the availability of Start the Clock data to the Mailer
- USPS pushes the notification message to the Mailer's web service end point

Business Rules

- If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide a date of notification and will provide the job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer, so the customer can use the Job information in his/her Query request.

4.23.1 FullServiceStartTheClockNotification Data Structure

Field Description

FullServiceStartTheClockNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceStartTheClockNotification BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-
Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B

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FullServiceStartTheClockNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	
Notification Date	Date	YYYY-MM-DD	Required	
FullServiceStartTheClockNotification ENDS				

4.24 FullServiceStartTheClockDelivery

The purpose of this message is to deliver the StartTheClock data to recipient server i.e. customer's server

Prerequisites

- Mailer has subscribed to receive StartTheClock Delivery messages
- Mailer submits Mail.dat jobs or Mail XML eDoc messages to *PostalOne!*
- USPS validates Mail.XML messages
- USPS processes the Mail.dat jobs or Mail.XML messages, generates postage, and reports
- Postage statement finalization exposes data to SASP
- USPS interprets eDoc information, and performs Full-service verification
- USPS determines Data Recipients and Start-the-Clock
- USPS sends Mailer Feedback to *PostalOne!*
- USPS Checks the availability of Start the Clock data to the Mailer
- USPS pushes Start The Clock delivery data to the Mailer's web service end point

Business Rules

If the customer has registered with the *PostalOne!* system to receive the message, the *PostalOne!* system will provide the:

- Job information, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard to the customer.
- Zero or more StartTheClockBMEUBlock blocks for the job
- Zero or more StartTheClockDropShipBlock blocks for the job
- Zero or more StartTheClockPlantLoadBlock blocks for the job
- In addition, optional return Info block in case of issues or no data found. All return codes and their descriptions for the Response messages will be made available by the USPS

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for implementation based upon the schedule made available in the External Timeline for IM implementation document.

4.24.1 FullServiceStartTheClockDelivery Data Structure

Field Description

FullServiceStartTheClockDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceStartTheClockDelivery BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
Push Message ID	String 25	-	Optional	-
ClockStarted	clockStartedType complex type	-	Required 1 to many allowed	Refer this complex type in Appendix A
FullServiceStartTheClockDelivery ENDS				

4.25 FullServiceStartTheClockQueryRequest

This message is sent by customer to pull StartTheClock data

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

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With each StartTheClockQueryRequest message, the customer needs to provide information for all required blocks. Business rule for some of the fields are given below – some of them are optional fields.

1. SubmittingParty – The *PostalOne!* system for all data distribution for full-service messages, i.e., non-FAST, non-eDoc messages, will only accept a MID or a CRID as a valid id.
2. SubmittingSoftware – The *PostalOne!* system for messages that it receives from the customer for the Mail.XML will always require
   a. A valid software name in the SoftwareName element
   b. A valid software vendor company name in the vendor element
   c. The most current version number of the software in the Version element
   d. A valid Approval Date and a valid Approval Key in the ApprovalDate and ApprovalKey elements. The approval date is the date when the USPS approved the software usage in the USPS production environment and a valid Approval Key is what the USPS provided to the Software Vendor or Mailer (who may have developed their own software) as authorization to use in all messages.
3. The FAST appointment ID or the CSA Dispatch ID, created by the FAST system, can be provided optionally in the ConsigneeApptID or CSADispatchNumber elements respectively.
4. The job information can also be provided optionally, either the Mail.dat Job ID and User License Code, OR the Customer Group ID and MailingGroupID for Mail.XML/Postal Wizard by the customer.
5. The customer can also optionally provide the Permit information or publication number information to receive the StartTheClock data in PermitNumber, PermitType, and PermitZip4 elements or in the PublicationNumber element.
6. The customer must provide a date range in the LowerDateRange and UpperDateRange elements for all query requests.

4.25.1 FullServiceStartTheClockQueryRequest Data Structure

Field Description

FullServiceStartTheClockQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceStartTheClockQueryRequest BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer this complex type in Appendix A

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FullServiceStartTheClockQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGIN			Optional If provided then either ConsigneeApptID or CSADispatchNumber is required	
ConsigneeApptID	String 12	-	Required	-
CSADispatchNumber	String 10	-	Required	-
Choice Block END				
Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID or CustomerAccount block is required	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
CustomerAccount	permitPublicationDataType complex type	-	Required	Refer this complex type in Appendix A
Choice Block END				

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FullServiceStartTheClockQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
LowerDateRange	Date	YYYY-MM-DD	Required	This date is a *PostalOne!* date starting in March 2010 to make sure time delay issues when the data is received by PostalOne! Do not have any impact to the customer querying the data.
UpperDateRange	Date	YYYY-MM-DD	Required	-See Lower Date Range comment above.
FullServiceStartTheClockQueryRequest ENDS				

4.26 FullServiceStartTheClockQueryResponse

This message contains StartTheClock data and is sent upon receiving the request message

Prerequisites

- Customer uses Mail.XML 10.0 spec
- USPS validates the request messages
- USPS retrieves the data based on the search criteria provided in the request
- USPS returns response to the Customer

Business Rules

The StartTheClockQuery Response has two major choice blocks one is QueryResults and the other is QueryErrors.

1. In QueryResults,
   - Data will be filtered based on the request criteria
   - The job information will be returned by the USPS *PostalOne!* system, and the Mail.dat Job information will be returned or Mail.XML job information will be returned. The Mail.dat Job ID and User License Code elements represent Mail.dat information and the Customer Group ID and MailingGroupID represent the Mail.XML/Postal Wizard information.

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- The customer will receive one or more ClockStarted blocks. The block includes StartTheClockBMEUBlock, StartTheClockPlantLoadBlock, and StartTheClockDropShipBlock.
- The USPS as part of the QueryResults to communicate any issues can return an optional ReturnCode and Description.

2. The QueryError Block provides zero or more return codes and descriptions to communicate any issues with the response of the query.

4.26.1 FullServiceStartTheClockQueryResponse Data Structure

Field Description

FullServiceStartTheClockQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceStartTheClockQueryResponse BEGINS				
LargeTransactionDividerGroupType	LargeTransactionDividerGroupType attribute		Required	-
TrackingID	String 12	-	Optional Allows user to retrieve data without requerying again.	-
Choice Block BEGINS			Either QueryResult or QueryError block is returned	
Query Result Block BEGIN	-	-	-	
Sequence Block # 1 BEGIN			1 to many	
LargeTransactionDividerResult	LargeTransactionDividerResult attribute	-	Optional	Refer this attribute block in Appendix C
Sequence Block #2 BEGIN			1 to many	
ClockStarted	clockStartedType complex type	-	Required	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A

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FullServiceStartTheClockQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Sequence Block # 2 ENDS				
Sequence Block # 1 ENDS				
QueryResults Block END				
Query Error Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
Query Error Block END				
FullServiceStartTheClockQueryResponse ENDS				

4.27 FullServiceNonComplianceDataWithPostageOwedReportNotification

The purpose of this message is to provide users with notification that their Full-service Non Complinance data, which may affect their postage statement and FS discounts, is ready to be picked up.

4.27.7.1FullServiceNonComplianceDataWithPostageOwedReportNotification Data Structure

Field Description

FullServiceNonComplianceDataWithPostageOwedReportNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNonCOmplianceDataWithPostageOwedReportNotification BEGINS				
SubmittingParty	participantIDType complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
PushMessageID	String 25	-	Optional	-

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FullServiceNonComplianceDataWithPostageOwedReportNotification				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGINS			Required Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
eDocSenderCRID	CRIDType simple type	-	Optional. This is the eDoc Sender's CRID information to be able for POSTALONE! to track who actually sent the eDoc data.	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Required	
Notification Date	Date	YYYY-MM-DD	Required	
FullServiceNonCOmplianceDataWithPostageOwedReportNotification ENDS				

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4.28 FullServiceNonComplianceDataWithPostageOwedReportDelivery

This is an automated generated message that is pushed from USPS servers to the user's server, if they have subscribed to a PUSH service. This message pushes the actual Noncompliance data to user's servers.

4.28.7.1FullServiceNonComplianceDataWithPostageOwedReportDelivery Data Structure

Field Description

FullServiceNonComplianceDataWithPostageOwedReportDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNonComplianceDataWithPostageOwedReportDelivery BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
DataRecipient	dataRecipient complex type	-	Optional	Refer this complex type in Appendix A
Push Message ID	String 25	-	Optional	-
FullServiceNonComplianceDataWithPostageOwedReport	fullServiceNonComplianceDataWithPostageOwedReportType complex type	-	Required 1 to many allowed	Refer this complex type in Appendix A
LargeTransactionDividerGroupOptionalType	LargeTransactionDividerGroupOptionalType attribute	-	Required	Refer this attribute block in appendix C
FullServiceNonComplianceDataWithPostageOwedReportDeliverty ENDS				

4.29 FullServiceNonComplianceDataWithPostageOwedQueryRequest

This message allows the user to query the POSTALONE! system to retrieve the noncompliance data that may affect the postage statement and FS Discounts.

4.29.1 FullServiceNonComplianceDataWithPostageOwedQueryRequest Data Structure

Field Description

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FullServiceNonComplianceDataWithPostageOwedQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNonComplianceDataWithPostageOwedQueryRequest BEGINS				
SubmittingParty	participantID Type complex type	-	Optional	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Optional	Refer this complex type in Appendix A
Choice Block BEGINS			Required Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID or CustomerAccount block is required	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				

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FullServiceNonComplianceDataWithPostageOwedQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
eDocSenderCRID	CRIDType simple type	-	Optional This is the eDoc Sender's CRID information to allow POSTALONE! to track who actually sent the eDoc data.	Refer this simple type in Appendix B
Start Date	Date	-	Required	-
EndDate	Date	-	Required	-
FullServiceNonComplianceDataWithPostageOwedQueryRequest ENDS				

4.30 FullServiceNonCompliancePostageOwedQueryResponse

This is a response message to the FullServiceNonCompliancePostageOwedQueryRequest message that provides the actual data to the requestor.

4.30.1 FullServiceNonCompliancePostageOwedQueryResponse Data Structure

Field Description

FullServiceNonCompliancePostageOwedQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
FullServiceNonCompliancePostageOwedQueryResponse BEGINS				
LargeTransaction DividerGroupType	LargeTransaction DividerGroup Type Attribute block	-	Required	Refer this attribute block in Appendix C
TrackingID	String 12	-	Optional Allows the user to retrieve the data without requerying	-

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FullServiceNonCompliancePostageOwedQueryResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
Choice Block BEGINS			Either QueryResult or QueryError block is returned	
QueryResult Block BEGIN			Required	
LargeTransactionDividerResult	LargeTransactionDividerResult attribute	-	Optional	Refer this attribute block in Appendix C
FullServiceNonComplianceDataWithPostageOwedReport	fullServiceNonComplianceDataWithPostageOwedReportType		Required 1 to many allowed	Refer this complex type in Appendix A
QueryResult Block END				
QueryError Block BEGIN				
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
QueryError block END				
Choice Block ENDS				
FullServiceNonCompliancePostageOwedQueryResponse ENDS				

4.31 USPSMIDCreateRequest

The purpose of this message is to send a request for creating Mailer ID

Prerequisites

- Mailer requests the creation of one or more MIDs.
- Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested): :
  - CRID
  - ApplyingForSelf
- *PostalOne!* will provide feedback to the mailer using USPSMIDCreateResponse Message

If successful:

- Response is returned to mailer
- Response will include per MID requested:
  a) One 9-digit MID if newly created
  b) One or more MIDs if existing

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If not successful:

- Response is returned to mailer:
- Response will indicate the problem per MID requested

Business Rules
For each USPSMIDCreateRequest message, the customer needs to provide the information for all of the required blocks.

Submitting Party
Submitting Software
Customer CRID
Customer Name (Optional_
Optional to provide Permit Info
Company HQ Indicator – The accepted values are 'Yes' or 'No' (Optional)
Address Information (optional)
Sequence Number (Optional)
Applying for Self Indicator. Accepted values are 'Yes' or 'No' - Required
Required to provide Legal Acknowledgment Block when Self Indicator is 'No'. The block requires following info:

UnderstandLegalLiabilityForApplyingForSomeOneElse
AcknowledgementNotifyingTheMailOwner
USPSLegalAgreement

4.31.1 USPSMIDCreateRequest Data Structure

Field Description

USPSMIDCreateRequest				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
USPSMIDCreateRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Required	Refer this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer this complex type in Appendix A
MIDEntry **USPSMIDCreateRequest ENDS**	midEntryType complex type	-	Required 1 to many	Refer this complex type in Appendix A

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4.32 USPSMIDCreateResponse

The message is sent by USPS to customer in response to MID Create request

Prerequisites

- Mailer requests the creation of one or more MIDs.
- Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested): :
  - CRID
  - ApplyingForSelf
- *PostalOne!* will provide feedback to the mailer using USPSMIDCreateResponse Message

If successful:

- Response is returned to mailer
- Response will include per MID requested:
  One 9-digit MID if newly created
  One or more MIDs if existing

If not successful:

- Response is returned to mailer:
- Response will indicate the problem per MID requested

Business Rules

The USPSMIDCreateResponse message returns one of the two messages block i.e. MID Accepted or MID Reject Block.

In ACCEPT block

Returns all of the data blocks/elements that were sent in the USPSMIDCreateRequest message AND

MID information, which is either MID6 or MID9 AND

OPTIONAL return info block that contains return code and return description

in REJECT block

Returns all of the data blocks/elements that were sent in the USPSMIDCreateRequest message AND

REQUIRED return info block that contains return code and return description to communicate the issue

4.32.1 USPSMIDCreateResponse data Structure

Field Description

USPSMIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
USPSMIDCreateRespo nse BEGINS				

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USPSMIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
TrackingID	String 12	-	Optional Allows the user to retrieve the data without requerying again.	
Choice Block BEGINS			1 to many allowed Either Accept or Reject block is returned	
USPSMIDCreateAccept Block BEGIN				
MID	MIDType complex type	-	Required 1 to many	Refer this complex type in Appendix A
MIDStatus	mIDStatus Type simple type	-	Required	Refer this simple type in Appendix B
MIDEntry	midEntryType complex type	-	Required	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type		Optional	Refer this complex type in Appendix A
USPSMIDCreateAccept Block END				
USPSMIDCreateReject Block BEGIN				
MIDEntry	midEntryType complex type	-	Required	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Required	Refer this complex type in Appendix A
USPSMIDCreateReject Block END				

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USPSMIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
Choice Block ENDS				
USPSMIDCreateRespo nse ENDS				

4.33 USPSCRIDCreateRequest

The purpose of this message is to send a request for creating Mailer ID

Prerequisites

- Mailer requests the creation of one or more CRIDs using USPSCRIDCreateRequest Message.
- Mailer passes the required information per CRID requested
- *PostalOne!* provides feedback to the mailer using USPSCRIDCreateResponse Message

If successful:
Response is returned to mailer
Response will indicate whether the included CRID is new or existing
There will always be exactly one CRID returned for a given CRID requested

If not successful:
Response is returned to mailer:
Response will indicate the problem per CRID requested

4.33.1 USPSCRIDCreateRequest Data Structure

Field Description

USPSCRIDCreateRequest				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
USPSCRIDCreateReq uest BEGINS				
SubmittingParty	participantID Type complex type	-	Required	Refer this complex type in Appendix A
SubmittingSoftware	submittingSof twareType complex type	-	Required	Refer this complex type in Appendix A
CRIDEntry	CRIDEntryTy pe complex type	-	Required 1 to many allowed	Refer this complex type in Appendix A

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USPSCRIDCreateRequest				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
USPSCRIDCreateRequest ENDS				

4.34 USPSCRIDCreateResponse

This message is sent by USPS to customer with the CRID number

Prerequisites

- Mailer requests the creation of one or more CRIDs using USPSCRIDCreateRequest Message.
- Mailer passes the required information per CRID requested
- *PostalOne!* provides feedback to the mailer using USPSCRIDCreateResponse Message

  If successful:

  Response is returned to mailer
  Response will indicate whether the included CRID is new or existing
  There will always be exactly one CRID returned for a given CRID requested

  If not successful:

  Response is returned to mailer:
  Response will indicate the problem per CRID requested

Business Rules

The USPSCRIDCreateResponse message returns one of the two messages block i.e. MID Accepted or MID Reject Block.

1. In ACCEPT block
   - Returns all of the data blocks/elements that were sent in the USPSCRIDCreateRequest message AND
   - CRID number AND
   - OPTIONAL return info block that contains return code and return description to communicate the issues
2. In REJECT block
   - Returns all of the data blocks/elements that were sent in the USPSCRIDCreateRequest message AND
   - REQUIRED return info block that contains return code and return description to communicate the issue

4.34.1 USPSCRIDCreateResponse Data Structure

Field Description

USPSCRIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**

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USPSCRIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
USPSCRIDCreate Response BEGINS				
TrackingID	String 12	-	Optional Allows the user to retrieve the data without requerying it.	-
Choice Block BEGINS			Required 1 to many allowed. Either Accept or Return block is returned	
USPSCRIDCreate Accept BEGINS			Required	
CRID	CRIDType	-	Required	Refer this simple type in Appendix B
CRIDStatus	cRIDStatusType simple type	-	Required	Refer this simple type in Appendix B
CRIDEntry	cridEntryType complex type	-	Required	Refer this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A
USPSCRIDCreate Accept Block END				
USPSCRIDCreate Reject Block BEGIN				
CRIDEntry	cridEntryType complex type		Required	Refer this complex type in Appendix A

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USPSCRIDCreateResponse				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
ReturnInfo	basicReturnInfo complex type		Required	Refer this complex type in Appendix A
USPSCRIDCreate Reject Block END				
USPSCRIDCreate Response ENDS				

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5. Appendix A – Mail.XML 10.0A Complex and Attribute Groups Definitions

5.1 Complex Type: AddressType

Complex Type: AddressType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
addressType BEGINS				
CommunicationRole (as attribute)	communicationRoleType simple type	-	Optional Attribute	Refer this simple type in Appendix B
Address1	String 64		Required	
Address2	String 64		Optional	
Address3	String 40		Optional	
Address4	String 40		Optional	
City	String 45		Required	
County	String 45		Optional	
State	stateCode simple type	-	Required	Refer this simple type in Appendix B
ZipCode	zipCode simple type		Required	Refer this simple type in Appendix B
GPSCoordinates	gPSCoordinates complex type	-	Optional	Refer this complex type in Appendix A
addressType ENDS				

5.2 Complex Type: addressCorrectionAddressType

Complex Type: addressCorrectionAddressType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
addressCorrectionAddressType BEGINS				
AddressType	addressType simple type	-	Optional	Refer this simple type in Appendix B
UrbanizationName	String 28	-	Optional	-
PrimaryNumber	String 10	-	Optional	-

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Complex Type: addressCorrectionAddressType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
PreDirectional	String 2	-	Optional	-
StreetName	String 28	-	Optional	-
StreetSuffix	String 4	-	Optional	-
PostDirectional	String 2	-	Optional	-
UnitDesignator	String 4	-	Optional	-
SecondaryNumber	String 10	-	Optional	-
City	String 28	-	Optional	-
State	stateCode simple type	-	Optional	Refer this simple type in Appendix B
Choice block BEGIN			Optional Choice block. Either ZipCode and ZipCodePlus4 OR DeliveryPoint11DigitZip is required.	
ZipCode	Numeric String 5	-	Required	This element will be return when *PostalOne!* Received 5 digit ZipCode from SASP
ZipCodePlus4	Numeric String 4	-	Optional	When Nine digit ZipCode is received from SASP
DeliveryPoint11DigitZip	Numeric String 11	-	Required	When 11 Digit ZipCode is received from SASP
Choice Block END				
addressCorrectionAddressType ENDS				

5.3 Complex: ByForConflictType

Complex: ByForConflictType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**

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Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type	-	Required	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required	Refer this simple type in Appendix B
CustomerGroupID	String 25	-	Optional	-
MailingGroupID	nonNegativeInteger	-	Required	-
Choice Block ENDS				
MailOwnerConflict Block BEGINS			Optional. 0 to many allowed	
Choice Block BEGINS			One of the following blocks is required. ▪ MailOwnerCRID ▪ MailOwnerMailerID6 ▪ MailOwnerID9 ▪ PermitInfo block	
MailOwnerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
MailOwnerMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
MailOwnerMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B

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PermitInfo	permitPublicationDataType complex type	-	Required	Refer this complex type in Appendix A
Choice Block ENDS				
MailOwnerConflictError block BEGINS			Required 1 to many allowed	
Choice Block BEGINS			Required Maximum 2 occurrence allowed	
MailOwnerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
MailOwnerMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
MailOwnerMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B
PermitInfo	permitPublicationDataType complex type	-	Required	Refer this complex type in Appendix A
Choice Block ENDS				
ConflictReasonCode	String 2	-	Required	-
ConflictReasonDescription	String 50	-	Required	-
MailOwnerConflictError block ENDS				
MailOwnerConflict block ENDS				
MailPreparerConflict Block BEGINS			Optional. 0 to many allowed	
Choice Block BEGINS			One of the following blocks is required. ▪ MailOwner CRID ▪ MailOwner MailerID6 ▪ MailOwnerID9 ▪ PermitInfo block	

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MailPreparerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
MailPreparerMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
MailPreparerMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B
PermitInfo	permitPublicationDataType complex type	-	Required	Refer this complex type in Appendix A
Choice Block ENDS				
MailPreparerConflictError block BEGINS			Required 1 to many allowed	
Choice Block BEGINS			Required Maximum 2 occurrence allowed	
MailPreparerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
MailPreparerMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
MailPreparerMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B
PermitInfo	permitPublicationDataType complex type	-	Required	Refer this complex type in Appendix A
Choice Block ENDS				
ConflictReasonCode	String 2	-	Required	-
ConflictReasonDescription	String 50	-	Required	-
MailPreparerConflictError block ENDS				
MailPreparerConflict block ENDS				
FullServiceAvailabilityDate	Date	-	Optional	-
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A

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5.4 Attribute: CastOfCharacterResponseHeaderInfo

Attribute: CastOfCharacterResponseHeaderInfo				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Original Sender Msg ID	String, 12	-	Required	-
Receiver Msg ID	String, 12	-	Required	-

5.5 Complex Type: ContainerVisibilityEntry

Complex Type: ContainerVisibilityEntry				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ContainerVisibilityEntry BEGINS				
Choice Block BEGIN	-	-	Optional	-
UserLicenseCode	userLicenseCodeType simple type	-	Required	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required	Refer this simple type in Appendix B
CustomerGroupID	String 25	-	Optional	-
MailingGroupID	nonNegativeInteger	-	Required	-
Choice Block ENDS				
Choice Block BEGINS			Optional Choice Block	
ConsigneeApptID	String 12	-	Required when CSADispatch Number is not provided.	-
CSADispatchNumber	String 10	-	Required when ConsigneeApptID is not provided	
Choice Block END				
USPSInductionFacilityLocaleKey	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
USPSInductionFacilityName	String 50	-	Optional	-
IntelligentMailContainerBarcode	IMcbType simple type	-	Optional	Refer this simple type in Appendix B

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Complex Type: ContainerVisibilityEntry				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ContainerScanDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Required	-
InductionStatus	inductionStatusType simple type	-	Optional	Refer this simple type in Appendix B
InductionIssueDescription	mailxml_base:s50	-	Optional	-
InductionIssueResolution	mailxml_base:s50	-	Optional	-
FullServiceCompliance Indicator	fullServiceComplianceIndicatorType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNon ComplianceReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	-	Optional	-
ContainerVisibilityEntry ENDS				

5.6 Complex Type: clockStartedType

Complex Type: clockStartedType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
clockStartedType BEGIN				
StarttheclockBEMUBlock BEGINS	-	-	Optional 0 to many allowed	-
Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	

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UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
PublicationNumber	String 8	-	Optional	-
MailClass	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
ProcessingCategory	processingCategoryType simple type	-	Optional	Refer this simple type in Appendix B
OriginFacilityName	String 50	-	Optional	
OriginFacilityLocaleKey	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
ArrivalDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
StartTheClockDate	xs:date	YYYY-MM-DD	Required	-
FullServiceComplianceIndicator	fullServiceComplianceIndicatorType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNonComplianceReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Optional	-
Sequence Block BEGINS			Optional	

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ContainerID	String 6	-	Optional 0 to many allowed	-
ContainerType	mailXMLContainerType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block BEGINS			Optional Only one of the following can be provided IMcb IMtb IMpb	
IMcb	IMcbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
IMtb	IMtbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
IMpb	IMpbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block ENDS				
Sequence Block ENDS				
StarttheclockBEMUBlock End				
StarttheclockDropShipOrOrigin Block BEGIN			Optional 0 to many allowed	

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Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
Choice Block BEGINS			Optional Either ConsigneeApptID or CSADispatchNumber is returned	
ConsigneeApptID	Mailxml_base:s10	String 10	Required when CSA Dispatch Number not provided	-

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CSADispatchNumber	String 10	-	Required when ConsigneeApptID is not provided	-
Choice Block ENDS				
PublicationNumber	String 8	-	Optional	-
MailClass	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
ProcessingCategory	processingCategoryType simple type	-	Optional	Refer this simple type in Appendix B
DropShipYesNo	yesNo simple type	-	Required	Refer this simple type in Appendix B
UspsInductionFacilityName	String 50	-	Optional	-
UspsInductionFacilityLocaleKey	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
ApptDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
ArrivalDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
UnloadStartDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
UnloadEndDateTime	xs:dateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
ApptStatus	apptStatusType simple type	-	Optional	Refer this simple type in Appendix B
StartTheClockDate	xs:date	YYYY-MM-DD	Optional	-

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FullServiceCompliance Indicator	fullServiceComplianceIndicator Type simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNonCompliance ceReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	xs:date	YYYY-MM-DD	Optional	-
Sequence Block BEGINS			Optional	
ContainerID	String 6	-	Optional 0 to many allowed	-
ContainerType	mailXMLContainerType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block BEGINS			Optional Only one of the following can be provided IMcb IMtb IMpb	
IMcb	IMcbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
IMtb	IMtbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
IMpb	IMpbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block ENDS				
Sequence Block ENDS				

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StarttheclockDropShip Origin Block END				
StarttheclockPlantLoad Block BEGINS			Optional 0 to many allowed	
Choice Block BEGINS			Optional Either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID be provided	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
CSADispatchNumber	String 10	-	Optional	-
PublicationNumber	String 8	-	Optional	-
MailClass	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
ProcessingCategory	processingCategoryType simple type	-	Optional	Refer this simple type in Appendix B
OriginFacilityName	String 50	-	Optional	

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OriginFacilityLocaleKey	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
MailReleasedDateTime	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	-
StartTheClockDate	Date	YYYY-MM-DD	Optional	-
FullServiceCompliance Indicator	fullServiceComplianceIndicator Type simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNonCompliance ReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	YYYY-MM-DD	Optional	-
Sequence Block BEGINS			Optional	
ContainerID	String 6	-	Optional 0 to many allowed	-
ContainerType	mailXMLContainerType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block BEGINS			Optional Only one of the following can be provided IMcb IMtb IMpb	
IMcb	IMcbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B

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IMtb	IMtbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
IMpb	IMpbType simple type	-	Optional 0 to many allowed	Refer this simple type in Appendix B
Choice Block ENDS				
Sequence Block ENDS				
StarttheclockPlantLoad Block ENDS				
clockStartedType ENDS				

5.7 Complex Type: CofCCreateRejectType

Complex Type: CofCCreateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGIN			Choice is to either to return the MailPiece Group or Container Group block data or job info	
Choice Block Begin				
User License Code	String		Required when 8-02 version is used	-
Maildat Job ID	String	-	Required when 8-02 version is used	-
Customer Group ID	String, 25 character	-	Required when Mail.XML version is used	-
Mailing Group ID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block END				
MailPieceGroup	Complex	-	Required System can return 1 to many MailPiece Group block data	Refer 'mailPiece Group Create Type' complex in appendix A

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Complex Type: CofCCreateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ContainerGroup			Required system can return 1 to many Container Group block data	Refer 'group Container IDType' complex in appendix A
Choice Block END				
ReturnInfo	Complex	-	Optional	Refer 'ReturnInfo' complex in appendix A

5.8 Complex Type: containerGroupType

Complex Type: containerGroupType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Attribute Block BEGIN				
SenderMailPieceGroupID	String 12	-	-	-
ReceiverMailPieceGroupID	String 12	-	-	-
Attribute Block END				

5.9 Complex Type: ContainerErrorWarningBlockType

Complex Type: ContainerErrorWarningBlockType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
ContainerErrorWarning BlockType BEGINS				
ConsigneeContainerGroupingID	String 16		Optional	-
ConsigneeContentID	String 12	-	Optional	-
ShipperContainerGroupingID	String 16	-	Optional	-
IMcb	IMcbType simple type	-	Optional	Refer to this simple type in Appendix B
IMtb	IMtbType simple type	-	Optional	Refer to this simple type in Appendix B
IMpb	IMpbType simple type	-	Optional	Refer to this simple type in Appendix B
MailContentName	String 30	-	Optional	-
SchedulerContentID	String 12	-	Optional	-

5.10 Complex Type: CRIDEntryType

Complex Type: CRIDEntryType

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Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				
CompanyName	String 40		Required	-
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer this complex type in Appendix A
CompanyHQIndicator	yesNo simple type	-	Optional	Refer this simple type in Appendix B
Address	addressType complex type	-	Required	Refer this complex type in Appendix A
AddressMatch	yesNo simple type	-	Required	Refer this simple type in Appendix B
ApplyingForSelf	yesNo simple type	-	Required	Refer this simple type in Appendix B
LegalAcknowledgement Block	legalAcknowledgement BlockCRIDtype complex type	-	Optional	Refer this complex type in Appendix A
CRIDEntryType BEGINS				

5.11 Complex Type: DataRecipient

Complex Type: DataRecipient				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
CRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
Roles	roleType simple type	-	Required	Refer this simple type in Appendix B

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5.12 Complex Type: ForeignAddressType

Complex Type: ForeignAddressType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
AddressLine1	String 37		Optional	
AddressLine2 AddressLine3 CountryCode	String 37 String 37 String 3	 -	Optional Optional Optional	 -

5.13 Complex Type: fullServiceNonComplianceDataWithPostageOwedReportType

Complex Type: fullServiceNonComplianceDataWithPostageOwedReportType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
fullServiceNonComplianceDataWithPostageOwedReportType BEGINS				
Choice Block BEGINS			Required block. Either ULC/MaildatJobID OR CustomerGroupID/ MailingGroupID are required.	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
eDocSenderCRID	CRIDType simple type	-	Optional	Refer this simple type in Appendix B
Sequence Block BEGINS			Optional 0 to many allowed	

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Complex Type: fullServiceNonComplianceDataWithPostageOwedReportType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
TotalFSPieces	nonNegativeInteger	-	Optional	-
TotalAffectedPieces	nonNegativeInteger	-	Optional	-
TotalDiscountAssessment	Double	-	Optional	-
MailClass	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
DiscountFinalized	yesNo simple type	-	Optional Yes indicates that discount has been finalized.	Refer this simple type in Appendix B
Sequence Block ENDS				
MailingIDDetail Block BEGINS			Optional 0 to many allowed	
ContainerID	String 6	-	Optional	-
ContainerType	mailXMLContainerType simple type	-	Optional	Refer this simple type in Appendix B
SiblingRefContainerID	String 6	-	Optional	-
ParentContainerID	String 6	-	Optional	-
IMcb	IMcbType simple type	-	Optional	Refer this simple type in Appendix B
IMtb	IMtbType simple type	-	Optional	Refer this simple type in Appendix B
Sequence Block BEGINS			Optional 0 to many allowed	
VerificationReportType	verificationReportType simple type	-	Optional	Refer this simple type in Appendix B
TotalAffectedPieceCnt	nonNegativeInteger	-	Optional	-
Sequence Block ENDS				
fullServiceNonComplianceDataWithPostageOwedReportTyp				

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Complex Type: fullServiceNonComplianceDataWithPostageOwedReportType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
e ENDS				

5.14 Complex Type: fsdqrContainerInfoType

Complex Type: fsdqrContainerInfoType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
fsdqrContainerInfoType BEGINS				
ContainerID	String 6		Optional	
SiblingRefContainerID	String 6	-	Optional	-
ParentContainerID	String 6		Optional	
ProcessingCategory	processingCategoryType simple type	-	Optional	Refer this simple type in Appendix B
MailClass	mailClassType simple type	-	Optional	Refer this simple type in Appendix B
USPSInductionFacilityLocale Key	localeKeyType simple type	-	Optional	Refer this simple type in Appendix B
MailingDate	Date	YYYY-MM-DD	Optional	
ContainerType	mailXMLContainerType simple type	-	Optional	Refer this simple type in Appendix B
IMcb	IMcbType simple type	-	Optional	Refer this simple type in Appendix B
IMtb	String 25		Optional	
CSAID	String 10		Optional	
ConsigneeApptID	String 12		Optional	
FullServiceAvailabilityDate	Date	-	Optional	-
VerificationError	verificationErrorType complex type		Optional 0 to many	Refer this complex type in Appendix A
Sequence BEGIN			Optional 0 to many allowed	

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Complex Type: fsdqrContainerInfoType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
PreparerCRID	CRIDType simple type		Optional	Refer this simple type in Appendix B
OwnerCRID	CRIDType simple type		Optional	Refer this simple type in Appendix B
Sequence END				
Choice Block BEGIN		0 to many Either ieceInfo block or PieceRangeI nfo block		
PieceInfo Block BEGIN		0 to many		
PhysicalPieceID	String 22		Required	
MailerPostageAccountID	String 10	-	Optional	-
MPADescription	String 30	-	Optional	-
IMB	iMBType simple type	-	Required	Refer this simple type in Appendix B
OwnerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
PreparerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
VerificationError	verificationErrorType simple type	1 to many	Required	Refer this complex type in Appendix A
PieceInfo Block END				
PieceRangeInfo Block BEGIN			Optional	
PieceRangeID	String 22		Required	
IMBUpperSerialization	iMBUpperSerializationTy pe simple type	-	Required	Refer this simple type in Appendix B

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Complex Type: fsdqrContainerInfoType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
IMBLowerSerialization	iMBLowerSerializationType simple type	-	Required	Refer this simple type in Appendix B
MailClass	mailClassType simple type	-	Required	Refer this simple type in Appendix B
ProcessingCategory	processingCategoryType simple type	-	Optional	Refer this simple type in Appendix B
PieceCountInRange	nonNegativeInteger	-	Optional	-
AffectedPieceCount	nonNegativeInteger	-	Optional	-
OwnerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
PreparerCRID	CRIDType simple type		Required	Refer this simple type in Appendix B
VerificationError	verificationErrorType simple type	1 to many	Required	Refer this simple type in Appendix B
PieceRangeInfo Block END				
Choice Block END				
fsdqrContainerInfoType ENDS				

5.15 Complex Type: FullServiceAddressCorrectionType

Complex Type: FullServiceAddressCorrectionType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceAddressCorrection BEGINS				
Choice Block BEGINS			Optional	
UserLicenseCode	userLicenseCodeType simple type		Required when 8-02 version is used	Refer this simple type in Appendix B

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Complex Type: FullServiceAddressCorrectionType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MaildatJobID	jobIDType simple type	-	Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Required when Mail.XML is used	-
Choice Block ENDS				
Choice Block BEGINS			Optional. When provided; one of the following is required: MailerID6 or MailerID9	
OriginalMailerID6	mailerID6Type simple type	-	Required	Refer this simple type in Appendix B
OriginalMailerID9	mailerID9Type simple type	-	Required	Refer this simple type in Appendix B
Choice Block ENDS				
OriginalIMB	iMBType simple type	-	Optional	Refer this simple type in Appendix B
RecordCreationDate	Date	YYYY-MM-DD	Optional	-
MoveEffectiveDate	Date	YYYY-MM-DD	Optional	-
MoveType	addressCorrectionMoveType simple type	-	Optional	Refer this simple type in Appendix B
DeliverabilityCodeType	deliverabilityCodeType simple type	-	Optional	Refer this simple type in Appendix B

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Complex Type: FullServiceAddressCorrectionType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceComplianceIndicator	fullServiceComplianceIndictorType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNon ComplianceReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
COAName block BEGINS			Optional Block	
Choice Block BEGIN			Either provide Business Name or everything else in this block	
BusinessName	String 50	-	Required	-
LastName	String, Length 50	-	Required	-
FirstNameMiddleName	String, Length 15	-	Required	-
Prefix	String, Length 15	-	Optional	
Suffix	String, Length 15	-	Optional	-
Choice Block END				
COAName Block ENDs				
KeylineFromEDoc	String	-	Optional	-
OldAddress	addressCorrectionAddressType complex type		Optional	Refer this complex type in Appendix A
NewAddress Block BEGIN	-		Optional	
Choice Block BEGIN				
NewDomesticAddress	addressCorrectionAddressType complex type	-	Required when block info is provided and no foreign address	Refer this complex type in Appendix A
NewForeignAddress	foreignAddressType complex type	-	Required when block info is provided and no domestic address correction	Refer this complex type in Appendix A
Choice Block END				
NewAddress Block END				
PrivateMailbox	String, Length 37		Optional	-

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Complex Type: FullServiceAddressCorrectionType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ClassNotificationType	classNotificationType	-	Optional	Refer this simple type in Appendix B
FeeNotification	FeeNotificationType simple type	-	Optional	Refer this simple type in Appendix B
BillReasonCode	billReasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
FreeChargeFlag	yesNo simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	-	Optional	-
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A
FullServiceAddressCorrection ENDS				

5.16 Complex Type: FullServiceNixieDetailType

Complex Type: FullServiceNixieDetailType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
FullServiceNixieDetailType BEGINS				
Choice Block BEGINS			Optional Choice block. If provided then: either UserLicenseCode/MaildatJobID or CustomerGroupID/MailingGroupID are required	

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Complex Type: FullServiceNixieDetailType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
UserLicenseCode	userLicenseCodeType simple type		Conditionally Required when 8-02 version is used	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type	-	Conditionally Required when 8-02 version is used	Refer this simple type in Appendix B
CustomerGroupID	String, 25 character	-	Optional	-
MailingGroupID	Non Negative Integer	-	Conditionally Required when Mail.XML is used	-
Choice Block END				
Choice Block BEGINS			Optional block. If provided then one of the following element is required: OriginalMailerID6 or OriginalMailerID9	
OriginalMailerID6	mailerID6Type simple type	-	Required.	Refer this simple type in Appendix B
OriginalMailerID9	mailerID9Type	-	Required	Refer this simple type in Appendix B
Choice Block END				
OriginalIMB	iMBType simple type	-	Optional	Refer this simple type in Appendix B
RecordCreationDate	Date	YYYY-MM-DD	Optional	-

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Complex Type: FullServiceNixieDetailType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ActionCode	actionCodeType simple type	-	Optional	Refer this simple type in Appendix B
ParsedAddressOnPiece	String	-	Optional	-
OnPieceCityStateZip	String	-	Optional	-
ReturnedToAddress	String	-	Optional	
ReturnedtoCityStateZip	String	-	Optional	-
ReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
KeylineFromEDoc	String	-	Optional	-
ClassNotificationType	classNotificationType simple type	-	Optional	Refer this simple type in Appendix B
FeeNotification	FeeNotificationType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceComplianceIndicator	fullServiceComplianceIndicatorType simple type	-	Optional	Refer this simple type in Appendix B
FullServiceNon ComplianceReasonCode	reasonCodeType simple type	-	Optional	Refer this simple type in Appendix B
BillReasonCode	billReasonCodeType simple type	-	Optional	Refer to this simple type in Appendix B
FreeChargeFlag	yesNo simple type	-	Optional	Refer this simple type in Appendix B
FullServiceAvailabilityDate	Date	-	Optional	-

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Complex Type: FullServiceNixieDetailType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer this complex type in Appendix A
FullServiceNixieDetailType ENDS				

5.17 Complex Type: GPSCoordinates

Complex Type: GPSCoordinates				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
gPSCoordinates BEGINS				
GPSSystem (as attribute)	gPSSystemType simple type	-	Optional Attribute	Refer this simple type in Appendix B
Latitude	mailxml_base:dec18-8	-	Required	Refer this simple type in Appendix B
Longitude	mailxml_base:dec18-8	-	Required	Refer this simple type in Appendix B
Height bock BEGIN	-		Optional	
Value block BEGIN	-	-	Required	
UOM	mailxml_Base:UOMType	-	Required Attribute	Refer this simple type in Appendix B
Value Block END				
RangeMin Block BEGIN	-	-	Optional	
UOM	mailxml_Base:UOMType	-	Required Attribute	Refer this simple type in Appendix B
RangeMin Block END				
RangeMax Block BEGIN	-	-	Optional	

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Complex Type: GPSCoordinates				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
UOM	mailxml_Base:UOMType	-	Required Attribute	Refer this simple type in Appendix B
RangeMax Block END				
Height bock END				
gPSCoordinates ENDS				

5.18 Complex Type: groupContainerIDType

Complex Type: groupContainerIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Attribute Block BEGIN				
SenderMailPieceGroupID	String 12	-	Required	-
ReceiverMailPieceGroupID	String 12	-	Optional	-
Attribute Block END				
Choice Block BEGIN			1 to many	
MailDatContainer	MailDatContainer complex type		Required	Refer this complex type in Appendix A
Mail.XML Container	mailXMLContainerIDType complex type		Required	Refer this complex type in Appendix A
ContainerBarcode	IMcbType simple type		Required	Refer this simple type in Appendix B
Choice Block END				

5.19 Complex Type: intelligentMailBarcodeType

Complex Type: intelligentMailBarcodeType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
BarcodeID	iMBarcodeIDType	Numeric string 2	Optional	Refer this simple type in Appendix B
Choice Block BEGIN			Optional	
ServiceTypeCode	ServiceTypeCodeType simple type	Numeric string 3	Required	Refer this simple type in Appendix B

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Complex Type: intelligentMailBarcodeType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
OR				
MailClass	mailClassType simple type	Refer 'mailClassType' simple type	Required	Refer this simple type in Appendix B
Choice Block END				
Choice Block BEGIN				
MailerID6	mailerID6Type	String 6	Required	Refer this simple type in Appendix B
SerialNumber9	iMBSerialNumber9Type	Numeric string 9	Required	Refer this simple type in Appendix B
OR				
MailerID9	mailerID9Type	String 9	Required	Refer this simple type in Appendix B
SerialNumber6	:iMBSerialNumber6Type	Numeric string 6	Required	Refer this simple type in Appendix B
Choice Block END				
DeliveryPointZIP	RoutingZipCodeType	String 11	Optional	Refer this simple type in Appendix B

5.20 Attribute Group: LargeTransactionDividerResult

Attribute Group: LargeTransactionDividerResult				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
LargeTransactionDividerResult BEGINS	-	-	-	-
TrackingID	String 12	-	Required	-
LargeTransactionDividerResult ENDS	-	-	-	-

5.21 Attribute Group: LargeTransactionDividerGroupType

Attribute Group: LargeTransactionDividerGroupType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**

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Attribute Group: LargeTransactionDividerGroupType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MessageGroupID	String, Length 20	-	Required	-
TotalMessageCount	Positive Integer	-	Required	-
MessageSerialNumber	Positive Integer	-	Required	-
TransmittedRecordCount	Positive Integer	-	Required	-
TotalRecordsAcrossMessages	Positive Integer	-	Required	-
LastMessage	yesNo simple type	-	Optional Default is set to "NO"	Refer this simple type in Appendix B

5.22 Attribute Group: LargeTransactionDividerGroupOptionalType

Attribute Group: LargeTransactionDividerGroupOptionalType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MessageGroupID	String, Length 20	-	Optional	-
TotalMessageCount	Positive Integer	-	Optional	-
MessageSerialNumber	Positive Integer	-	Optional	-
TransmittedRecordCount	Positive Integer	-	Optional	-
TotalRecordsAcrossMessage	Positive Integer	-	Optional	-
LastMessage	yesNo simple type	-	Optional Default is set to "NO"	Refer this simple type in Appendix B

5.23 Complex Type: LegalAknowledgmentBlockCRIDType

Complex Type: LegalAknowledgmentBlockCRIDType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
LegalAcknowledgementBlockCRIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeOneElse	yesNo simple type	-	Required	Refer this simple type

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Complex Type: LegalAknowledgmentBlockCRIDType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
				in Appendix B
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer this simple type in Appendix B
USPSLegalAgreement	String		**Required.** * There is some default language	-
LegalAcknowledgementBlockCRIDType ENDS				

5.24 Complex Type: LegalAknowledgmentBlockMIDType

Complex Type: LegalAknowledgmentBlockMIDType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
LegalAcknowledgementBlockMIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeOneElse	yesNo simple type	-	Required	Refer this simple type in Appendix B
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer this simple type in Appendix B
USPSLegalAgreement	String		**Required.** * There is some default language	-
LegalAcknowledgementBlockMIDType ENDS				

5.25 Complex Type: mailDatContainerIDType

Complex Type: mailDatContainerIDType

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Field	Format	Acceptable Values	Business Rules	Comments
UserLicenseCode	userLicenseCodeType simple type		required	Refer this simple type in Appendix B
MaildatJobID	jobIDType simple type		required	Refer this simple type in Appendix B
ContainerID	String 6		required	
UniqueContainerBarcode	IMcbType simple type		Optional	Refer this simple type in Appendix B

5.26 Complex Type: mailPieceGroupType

Complex Type: mailPieceGroupType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Attribute Block BEGIN				
SenderMailPieceGroupID	String 12	-	-	-
ReceiverMailPieceGroupID	String 12	-	-	-
Attribute Block END				

5.27 Complex Type: mailPieceGroupCreateType

Complex Type: mailPieceGroupCreateType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Attribute Block BEGIN				
SenderMailPieceGroupID	String 12	-	-	-
ReceiverMailPieceGroupID	String 12	-	-	-
Attribute Block END				
Choice Block BEGIN			1 to many	
MailPieceID	mailPieceIDType complex type		Required	Refer 'mailPiece IDType' complex in Appendix C
Sequence Block BEGINS				
LowestMailPieceID	mailPieceIDType complex type		Required	Refer 'mailPiece IDType' complex in Appendix C
HighestMailPieceID	mailPieceIDType complex type	-	Required	Refer 'mailPiece IDType' complex in Appendix C

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5.28 Complex Type: mailPieceIDType

Complex Type: mailPieceIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Choice Block BEGIN			Optional	
IMB	intelligentMailBarcodeType complex type		Required	Refer 'intelligent MailBarcode Type' complex in Appendix C
OR				
PlanetCode	planetCodeType simple type	Min 11 and Max 13 characters string	Optional	Refer this simple type in Appendix B
DeliveryPointZIP	RoutingZipCodeType	String 11	Required	Refer this simple type in Appendix B
OR				
DeliveryContainerID	mailxml_base:ns22	Numeric String 22	Required	
DeliveryPointZIP	RoutingZipCodeType	String 11	Required	Refer this simple type in Appendix B
choice Block END				

5.29 Complex Type: mailXMLContainerIDType

Complex Type: mailXMLContainerIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MailingGroupID	Non Negative Integer		required	
CustomerGroupID	String 25		Required	
ContainerID	String 6		Required	
ContainerBarcode	IMcbType simple type	-	Optional	Refer this simple type in Appendix B
Choice Block END				

5.30 Attribute: mailXMLHeaderInfo

Attribute: mailXMLHeaderInfo				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
User License Code	String		Optional	-

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Attribute: mailXMLHeaderInfo				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Maildat Job ID	String	-	Optional	-
Customer Group ID	String, 25 character	-	Optional	-
Mailing Group ID	Non Negative Integer	-	Optional	-

5.31 Complex: MidEntryType

Complex: MidEntryType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
midEntryType BEGINS				
CustomerCRID	CRIDType simple type	-	Required	Refer this simple type in Appendix B
CustomerName	String		Optional	
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer this complex type in Appendix A
CompanyHQIndicator	yesNo simple type	-	Optional	Refer this simple type in Appendix B
Address1	String 64		Optional	
Address2	String 64		Optional	
City	String 50		Optional	
State	String 2		Optional	
ZipCode	Numeric String 5		Optional	
SequenceNumber	Integer		Optional	
ApplyingForSelf	yesNo simple type	-	Required	Refer this simple type in Appendix B
LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	-	Optional	Refer this complex type in Appendix A
midEntryType ENDS				

5.32 Complex: MIDType

Complex: MIDType

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Field	Format	Acceptable Value	Business Rules	Comments
MIDType BEGINS				
MID6	mailerID6Type simple type		Required	Refer this simple type in Appendix B
OR				
MID9	mailerID9Type simple type		Required	Refer this simple type in Appendix B
MIDType ENDS				

5.33 Complex Type: permitPublicationDataType

Complex Type: permitPublicationDataType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
permitPublicationDataType BEGINS				
Choice Block BEGINS	-	-	Either PermitNumber, PermitType, PermitZip4 OR Publication Number is required	-
Sequence Block BEGINS				
Permit Number	String, 8	-	Required, when providing Permit Number and Permit Zip4 data	-
Permit Type	permitTypeType simple type	-	Required	Refer this simple type in Appendix B
Permit Zip4	Numeric String, 9	-	Required when providing Permit Number and Permit Zip 4 data	Refer this simple type in Appendix B
Sequence Block ENDS				
Publication Number	String, 8	-	Either provide Permit Number, Permit Type 4 and optional Permit Type OR this field.	-
Choice Block ENDS				

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Complex Type: permitPublicationDataType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
permitPublicationDataType ENDS				

5.34 Complex Type: basicReturnInfo

Complex Type: basicReturnInfo				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Sequence Block BEGIN			Optional 0 to many allowed	
Return Code	Numeric String – Length 4	-	Optional	
Return Description	String, Length 260	-	Required	
ContainerErrorWarningBlock	containerErrorWarningBlockType complex type	-	Optional	Refer this complex type in Appendix A
Sequence Block END				

5.35 Complex Type: SubmittingParty, participantIDType

Complex Type: SubmittingParty, participantIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MailerID6	mailID6Type simple type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer this simple type in Appendix B
MailerID9	mailerID9Type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer this simple type in Appendix B
CRID	CRIDType		Not required (attribute), Either CRID or MID can be provided for authorization	Refer this simple type in Appendix B
SchedulerID	String, 12		Optional	
MaildatUserLicense	userLicenseCodeType simple type		Optional	Refer this simple type in Appendix B

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Complex Type: SubmittingParty, participantIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ShippingAgentID	String 12	-	Optional	-
ReceivingAgentID	String 12	-	Optional	-

5.36 Complex Type: SubmittingSoftware

Complex Type: SubmittingSoftware				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SoftwareName	String		Required	
Vendor	String		Required	
Version	String		Required	
ApprovalDate	Date	YYYY-MM-DD	Optional	Changed the type to 'Date' based on errata
ApprovalKey	String		Optional	

5.37 Complex Type: VerificationErrorType

Complex Type: VerificationErrorType				
Field	**Format**	**Acceptable Value**	**Business Rules**	**Comments**
Sequence Block BEGIN			Optional 0 to many allowed	
VerificationErrorCode	Numeric String 4		Required	
VerificationError Description Sequence Block END	String 260		Optional	

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6. Appendix B – Simple Types Data Structure

The simple types below list variation of validation in Mail.XML for each version of the Mail.XML (i.e. 9.0B, 9.0C, and 10.0). A column highlighted in YELLOW indicates that there is at least one change made from previous version. For example – if Mail.XML 9.0B column is highlighted in YELLOW, it means that at least one change is made in v10.0 from v9.0C. Another variation in the table below is when both v9.0C and v10.0 columns are highlighted in YELLOW. It means that there is at least one change made in v9.0C from v8.0B and then there was another change made in v10.0 from v8.0B.

NOTE#1: Mail.XML 6.0D version will no longer be supported from January 2011 thus all of the references of 6.0D have been removed from this guide including the simple types definitions.

NOTE#2: Mail.XML 7.0C and 8.0B versions will no longer be supported from October 2011 thus all of the references of 7.0C and 8.0B have been removed or limited to the minimum possible from this guide including the simple types definitions.

6.1 simpleType: actionCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	F = Forwarded
enumeration	W = Wasted
enumeration	R = Returned
enumeration	U = Unable to determine action

6.2 simpleType: addressCorrectionMoveType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	F = Family Move
enumeration	I = Individual Move
enumeration	B = Business Move

6.3 simpleType: additionalInHomeRangeType

Tag	Mail.XML 10.0A
Base	mailxml_base:n01

6.4 simpleType: adjustmentStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	R = Ready to Pay
enumeration	X = Paid
enumeration	C = Cancel
enumeration	P = Preliminary Postage Statement

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enumeration	T = Transportation

6.5 simpleType: adjustmentType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	1 = Re-order in excess of tolerance
enumeration	2 = “Average Remail” Add-on
enumeration	3 = Spoilage
enumeration	4 = Shortage

6.6 simpleType: agencyCostCodeType

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{5}|[0-9]{6}

6.7 simpleType: apptMethodType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Online
enumeration	Phone
enumeration	Webservices - Detail
enumeration	Webservices - No Detail

6.8 simpleType: apptStateType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Scheduled
enumeration	Arrived
enumeration	ApptValidated
enumeration	WaitingToBeUnloaded
enumeration	Unloading
enumeration	FinishedUnloading
enumeration	ResolvingProblems
enumeration	Rejected
enumeration	Closed

6.9 simpleType: apptStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Open
enumeration	Closed
enumeration	No Show
enumeration	Unscheduled
enumeration	Rejected

6.10 simpleType: apptTypeType

Tag	Mail.XML 10.0A

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Base	xs:string
enumeration	Pallet
enumeration	DropAndPick
enumeration	Speedline
enumeration	Bedload

6.11 simpleType: barcodeRateType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Y = Yes
enumeration	N = No
enumeration	O = Other

6.12 simpleType: billReasonCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	E
enumeration	F
enumeration	M
enumeration	N

6.13 simpleType: bundleDetailLevelType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Firm
enumeration	B = Carrier Route
enumeration	C = 5-Digit
enumeration	D = Unique 3-Digit
enumeration	E = (Reserve for future)
enumeration	F = 3-Digit
enumeration	G = (Reserve for future)
enumeration	H = ADC
enumeration	I = AADC
enumeration	J = (Reserve for future)
enumeration	K = Origin MxADC
enumeration	L = MxADC
enumeration	M = MxAADC
enumeration	N = (Reserve for future)
enumeration	O = Working
enumeration	P = (Reserve for future)
enumeration	Q = (Reserve for future)
enumeration	R = Parcel
enumeration	S = Multi-Piece Parcel
enumeration	T = 3D Scheme
enumeration	U = 5D Scheme + L007
enumeration	V = NDC (previously as BMC)
enumeration	W = 5-Digit Super Scheme
enumeration	

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6.14 simpleType: bundleLevelType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	

6.15 simpleType: bundleRecordStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	O = Original
enumeration	D = Delete
enumeration	I = Insert
enumeration	U = Update

6.16 simpleType: bundleStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Blank
enumeration	C = Cancel

6.17 simpleType: canadaAdMailOnlyType

Tag	Mail.XML 10.0A
Base	Does not exists
enumeration	
enumeration	

6.18 simpleType: chargeableBundleLevelType

Tag	Mail.XML 10.0a
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC
enumeration	C = Carrier Route
enumeration	F = Firm
enumeration	M = Mixed ADC and Mixed AADC

6.19 simpleType: chargeableContainerType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Sacks-Trays
enumeration	Pallets

6.20 simpleType: chargeableContainerLevelType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC

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enumeration	M = Mixed ADC & Mixed AADC

6.21 simpleType: chargeableEntryLevelType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	B = Destination NDC (Previously BMC)
enumeration	C = Origin SCF
enumeration	D = DDU
enumeration	J = Origin ADC
enumeration	K = Origin NDC (previously BMC)
enumeration	O = Origin Post Office/ DMU
enumeration	R = Destination ADC
enumeration	S = Destination SCF

6.22 simpleType: classNotificationType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = (Reserved for future use)
enumeration	B = First-Class Mail
enumeration	C = Periodicals, Initial Notification
enumeration	D = Standard Mail
enumeration	E = Package Services
enumeration	F = Periodicals, Follow-up Notifications

6.23 simpleType: closeoutIrregularitiesType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	B = Broken Pallet
enumeration	C = Count don't Match 8125
enumeration	D = Damaged Mail
enumeration	DR = Driver Refused to Assist
enumeration	G = Good
enumeration	IA = Improper Appointment Type
enumeration	IM = Improper Mail Class
enumeration	I = Improper Mail Makeup
enumeration	IF = Incorrect Mail Facility
enumeration	L = Load Unsafe
enumeration	M = Mailing not separated by 8125
enumeration	MI = Miscellaneous
enumeration	NP = No Paperwork (Missing Paperwork)
enumeration	O = Others
enumeration	OW = Overweight Pallets
enumeration	NM = Package on NDC non-machinable
enumeration	P = Pallet Too Tall
enumeration	VS = Vehicle Size
enumeration	CP = Courtesy Pallets
enumeration	CM = Container do not match 8017
enumeration	SM = Separation do not match 8107

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6.24 simpleType: closeoutResolutionType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	DCD = Driver Contracted Dispatch Office
enumeration	DCO = Destination Contacted Origin
enumeration	DRL = Driver Reconciled Load
enumeration	INR = Irregularities Count Not be Resolved on Dock

6.25 simpleType: communicationRoleType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	From
enumeration	To
enumeration	CC

6.26 simpleType: componentIDType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.27 simpleType: componentWeightType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.28 simpleType: componentWeightSourceType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.29 simpleType: componentWeightStatusType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

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6.30 simpleType: consigneeContentIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:s09

6.31 simpleType: containerBundleStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	-1 = Failed
enumeration	0 = Pending
enumeration	1 = Success

6.32 simpleType: container24CharacterBarcodeType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.33 simpleType: contentOfMailType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Reply Envelope or Reply Card
enumeration	B = Contents NOT required to be mailed FCM
enumeration	C = DVD/CD or other disk
enumeration	E = Product Sample
enumeration	F = Round Trip ONLY: One DVD/CD or other disk (Can be LT or FL) For First-Class Mail, any possible combination of A, B and C includes
enumeration	A1 = A and B
enumeration	A2 = A and C
enumeration	A3 = A, B, and C
enumeration	B1 = B and C For Standard Mail, any possible combination of C and E includes
enumeration	C1 = C and E

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6.34 simpleType: containerAcceptanceDateType

Tag	Mail.XML 10.0A
Base	xs:date

6.35 simpleType: cccLevelType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC
enumeration	M = Mixed ADC & Mixed AADC

6.36 simpleType: containerGroupingDescriptionType

Tag	Mail.XML 10.0A
Base	Removed

6.37 simpleType: containerGrossWeightType

Tag	Mail.XML 10.0A
Base	mailxml_base:s05

6.38 simpleType: containerHeightType

Tag	Mail.XML 10.0A
Base	mailxml_base:n03

6.39 simpleType: containerLevelType

How to Read:
Each Container Level Type Code shows the English translation of the code. Underneath the code there is “Eligibility Type” codes of “S” for Sack, “T” for Trays and “P” for Pallets. The Mailer must understand that to use any specific container level, the container type must be one of the following: Sack, Tray, or Pallet or all of the following or combination of some. For example – Container Level Code “A” means “CR-Direct” and it can only be used if the container types are: Sack, Tray, and Pallet.

For some Container Level Code – there is an asterisk (*) followed by “Not Supported Enumeration” text. This means that the code is not currently supported by *PostalOne!*

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = CR-Direct Eligibility Type = S, T, P
enumeration	B = Mixed CR in 5 Digit Eligibility Type = S, T, P
enumeration	C = Mixed CR in 3 Digit Eligibility Type = S, T
enumeration	D = CR – 5D Scheme Eligibility Type = S, T, P
enumeration	E = FSS Scheme
enumeration	F = FSS Facility
enumeration	G = 5 Digit (Auto/Presort) Eligibility Type = S, T, P

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enumeration	H = 5 Digit (Merged) Eligibility Type = S, T, P
enumeration	I = 5 Digit (Presort Only) Eligibility Type = S, T, P
enumeration	J = 5 Digit (Barcode Only) Eligibility Type = S, T, P
enumeration	K = Metro Scheme Eligibility Type = P
enumeration	~~L = Mixed RDC~~ ~~*** Not Supported Enumeration**~~
enumeration	M = 5D Scheme (Presort) Eligibility Type = S, T, P
enumeration	N = 5D Scheme (Auto/Presort) Eligibility Type = S, T, P
enumeration	~~O =~~ ~~***Not Supported Enumeration**~~
enumeration	P = 5D Scheme (Barcode) Eligibility Type = S, T, P
enumeration	Q = 5D Scheme (Merged) Eligibility Type = S, T, P
enumeration	R = 3 Digit (Auto, Presort) Eligibility Type = S, T
enumeration	S = 3 Digit (Barcode) Eligibility Type = S, T
enumeration	T = 3 Digit (Presort) Eligibility Type = S, T
enumeration	U = 3 Digit (CR, Auto, Presort) Eligibility Type = S, T, P
enumeration	V = 3 Digit Scheme Eligibility Type = T
enumeration	W
enumeration	X = SCF Eligibility Type = S, P
enumeration	Y = Protected SCF Eligibility Type = P
enumeration	Z = ADC Eligibility Type = S, T, P
enumeration	AA = AADC Eligibility Type = T
enumeration	AB = Mixed ADC Eligibility Type = S, T, P
enumeration	AC = Mixed AADC Eligibility Type = T
enumeration	AD = ASF Eligibility Type = S, P
enumeration	AE = NDC (previously known as BMC) Eligibility Type = S, P
enumeration	AF = Protected NDC Eligibility Type = P
enumeration	AG = Mixed NDC Eligibility Type = S, P
enumeration	AH = Origin MxADC
enumeration	AI = Protected ADC

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enumeration	AJ = Single Piece Container Eligibility Type = S, T
enumeration	AK = MXDS – Mixed Surface Eligibility Type = P
enumeration	AL = MXDA – Mixed Air CSA FCM Only AL
enumeration	AM = Working Eligibility Type = P
enumeration	AN = Single Piece – First Class Eligibility Type = P
enumeration	AO = Surface Eligibility Type = P
enumeration	AP = Air Eligibility Type = P
enumeration	AQ = Local Eligibility Type = P
enumeration	AR = Origin SCF
enumeration	AS = Origin Mixed ADC Surface
enumeration	AT = Mixed ADC Air
enumeration	BA = Urban Direct Eligibility Type = S, T
enumeration	BB = Rural Direct Eligibility Type = S, T
enumeration	BC = Station Eligibility Type = S, T, P
enumeration	BD = City Eligibility Type = S, T, P
enumeration	BE = FSA Eligibility Type = P
enumeration	BF = DCF Eligibility Type = S, T, P
enumeration	BG = FCP Eligibility Type = S, T, P
enumeration	BH = Province Eligibility Type = P
enumeration	BI = Residual Eligibility Type = S, T, P
enumeration	BJ = Foreign Eligibility Type = S, T, P
enumeration	BK = Country Eligibility Type = S, T, P
enumeration	BL = Mixed Country Eligibility Type = S, T, P
enumeration	BM = M Bags Eligibility Type = S

6.40 simpleType: containerPickupDateType

Tag	Mail.XML 10.0A
Base	xs:date

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6.41 simpleType: containerPickupTimeType

Tag	Mail.XML 10.0A
Base	xs:time

6.42 simpleType: containerShipDateType

Tag	Mail.XML 10.0A
Base	xs:date

6.43 simpleType: containerShipTimeType

Tag	Mail.XML 10.0A
Base	xs:time

6.44 simpleType: contactType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	AccountManager
enumeration	Carrier
enumeration	CrossDock
enumeration	CustomerService
enumeration	HelpDesk
enumeration	DropShipCoordinator
enumeration	ApptCoordinator
enumeration	Plant
enumeration	InboundFreightCoordinator
enumeration	SalesOffice
enumeration	TruckDriver
enumeration	Warehouse
enumeration	Other

6.45 simpleType: containerType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.46 simpleType: containerStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Accepted
enumeration	OnHold
enumeration	Rejected

6.47 simpleType: containerHeightSourceType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Actual

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enumeration	E = Estimated

6.48 simpleType: cptPeriodicalAdPercentageType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.49 simpleType: cptPeriodicalAdPercentageBasisType

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	

6.50 simpleType: cptPeriodicalAdPercentageStatusType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.51 simpleType: CQTdatabaseIDType

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	8
whiteSpace	collapse

6.52 simpleType: creditDebitIndicator

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	C = Credit
enumeration	D = Debit

6.53 simpleType: CRIDType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	15
minLength	1
pattern	([0-9])*

6.54 simpleType: cRIDStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	New
enumeration	Existing

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6.55 simpleType: csaTemplateType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	PVDS-PER
enumeration	DMU-C
enumeration	DMU-P
enumeration	BMEU
enumeration	UPVDS-PER
enumeration	UDMU-C
enumeration	UDMU-P
enumeration	UBMEU
enumeration	U

6.56 simpleType: csaStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	ACT
enumeration	PEN
enumeration	INACT
enumeration	INCOMP
enumeration	PREAPP

6.57 simpleType: databaseContainerIDType

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	6

6.58 simpleType: dayFrequencyType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Daily
enumeration	Monday
enumeration	Tuesday
enumeration	Wednesday
enumeration	Thursday
enumeration	Friday
enumeration	Saturday
enumeration	Sunday

6.59 simpleType: daysOfWeekType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	MON
enumeration	TUE
enumeration	WED
enumeration	THU
enumeration	FRI
enumeration	SAT
enumeration	SUN

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enumeration	MF
enumeration	MS
enumeration	ALL
enumeration	H

6.60 simpleType: daysType

Tag	Mail.XML 10.0A
Base	Removed
maxInclusive	
minInclusive	

6.61 simpleType: DirectOrMixedCategoryType

Tag	Mail.XML 10.0A
Base	Does not exists
enumeration	
enumeration	

6.62 simpleType: dec03-2

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	
fractionDigits	

6.63 simpleType: dec04-3

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	
fractionDigits	

6.64 simpleType: dec18-6

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	
fractionDigits	

6.65 simpleType: dec10-4

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	
fractionDigits	

6.66 simpleType: dec18-8

Tag	Mail.XML 10.0A
Base	xs:decimal
totalDigits	18
fractionDigits	8

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6.67 simpleType: deliverabilityCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	K = COA Match, No Forwarding Address
enumeration	G = COA Match, PO Box Closed, No Forwarding Address
enumeration	W = COA Match with a temporary COA

6.68 simpleType: electronicFileType

Tag	Mail.XML 10.0A
Base	String 1
enumeration	1=Postage & Tracking File
enumeration	2=Tracking File
enumeration	3=Return Service
enumeration	4=Corrections
enumeration	5=Electronic Verification
enumeration	C=Parcel Return Service

6.69 simpleType: emailType

Tag	Mail.XML 10.0A
Base	xs:string

6.70 simpleType: eMD8125ASNBarcodeType

Tag	Mail.XML 10.0A
Base	Removed

6.71 simpleType: enclosedByType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	SM = Standard Mail
enumeration	BP = Bound Printed Matter
enumeration	PE = Periodicals
enumeration	PP = Parcel Post
enumeration	ML = Media/Library Mail

6.72 simpleType: entryDiscountType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	N = None
enumeration	B = DNDC (previous DBMC)
enumeration	S = DSCF
enumeration	D = DDU
enumeration	A = DADC
enumeration	C = Origin SCF
enumeration	K = Origin NDC

6.73 simpleType: entryFacilityType

Tag	Mail.XML 10.0A

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Base	xs:string
enumeration	O = Origin
enumeration	B = NDC (Previous BMC)
enumeration	S = SCF
enumeration	D = DDU
enumeration	A = ADC

6.74 simpleType: entryPointEDPostalCodeType

Tag	Mail.XML 10.0A
Base	mailxml_base:s06

6.75 simpleType: entryPointEDFacilityTypeType

Tag	Mail.XML 10.0A
Base	mailxml_base:s01

6.76 simpleType: entryPointADLocaleKeyType

Tag	Mail.XML 10.0A
Base	mailxml_base:s09

6.77 simpleType: entryPointADPostalCodeType

Tag	Mail.XML 10.0A
Base	mailxml_base:s09

6.78 simpleType: es2

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.79 simpleType: es3

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	3
minLength	3
whiteSpace	preserve

6.80 simpleType: es4

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	4
minLength	4
whiteSpace	preserve

6.81 simpleType: es5

Tag	Mail.XML 10.0A
Base	xs:string

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maxLength	5
minLength	5
whiteSpace	preserve

6.82 simpleType: es31

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.83 simpleType: exemptionCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	APO
enumeration	APS
enumeration	CAPC
enumeration	DUE
enumeration	HC

6.84 simpleType: fASTContentIDType

Tag	Mail.XML 10.0A
Base	Removed

6.85 simpleType: fASTSchedulerIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:s12

6.86 simpleType: feeNotificationType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.87 simpleType: flatRateIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	B = Box – Priority Mail Flat Rate Only
enumeration	-
enumeration	E = Envelope – Priority Mail Flat Rate Only
enumeration	-
enumeration	L = Box – Large Priority Mail Flat Rate Only
enumeration	M = Box – Large Military Destination Priority Mail Flat Rate Only
enumeration	-

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enumeration	P = Priority Mail Legal Flat Rate Envelope
enumeration	S = Small – Priority Mail Flat Rate Only

6.88 simpleType: formType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	PM = Priority Mail
enumeration	FC = First-Class
enumeration	SM = Standard Mail
enumeration	BP = Bound Printed Matters
enumeration	PE = Periodicals
enumeration	PP = Parcel Post
enumeration	ML = Media/Library Mail
enumeration	-

6.89 simpleType: fullServiceComplianceIndicatorType

Tag	Mail.XML 10.0A
Base	mailxml_base:yesNo
enumeration	
enumeration	

6.90 simpleType: fspiType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	M
enumeration	F

6.91 simpleType: gPSSystemType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	ECEF
enumeration	HAE
enumeration	MSL

6.92 simpleType: IDType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	DriversLicense
enumeration	EmployeeID

6.93 simpleType: iMBType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	34
minLength	20
pattern	([0-9])+

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6.94 simpleType: IMcbType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	24
minLength	21

6.95 simpleType: IMpbType

Tag	Mail.XML 10.0A
Base	String
maxLength	34
minLength	34

6.96 simpleType: iMBarcodeIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:ns02

6.97 simpleType: iMBSerialNumber6Type

Tag	Mail.XML 10.0A
Base	mailxml_base:ns06

6.98 simpleType: iMBSerialNumber9Type

Tag	Mail.XML 10.0A
Base	mailxml_base:ns09

6.99 simpleType: iMBUpperSerializationType

Tag	Mail.XML 10.0A
Base	mailxml_base:s18

6.100 simpleType: iMBLowerSerializationType

Tag	Mail.XML 10.0A
Base	mailxml_base:s18

6.101 simpleType: IMtbType

Tag	Mail.XML 10.0A
Base	String
maxLength	24
minLength	24

6.102 simpleType: incentiveTypeType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	

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enumeration	
enumeration	

6.103 simpleType: includedInOtherDocType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	L
enumeration	O

6.104 simpleType: internalDateType

Tag	Mail.XML 10.0A
Base	xs:date

6.105 simpleType: simpleType: inOutCountyIndicatorType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.106 simpleType: inCountyOutCountyIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	I – In County
enumeration	N = Outside County
enumeration	

6.107 simpleType: int04

Tag	Mail.XML 10.0A
Base	Removed
TotalDigits	

6.108 simpleType: jobIDType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	8
minLength	1
whiteSpace	preserve

6.109 simpleType: localeKeyType

Tag	Mail.XML 10.0A
Base	mailxml_base:s09

6.110 simpleType: inductionStatusType

Tag	Mail.XML 10.0A
Base	xs:string

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enumeration	A = Accepted
enumeration	N = Rejected

6.111 simpleType: logicalPhysicalBundleIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	P = Physical
enumeration	L = Logical

6.112 simpleType: logicalPhysicalContainerIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	P = Physical
enumeration	L = Logical

6.113 simpleType: mailAgreementTypeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Alternate Mailing System
enumeration	B = Optional Procedure
enumeration	C = Manifest Mailing
enumeration	D = Value Added
enumeration	E = Combined Mail
enumeration	F = Combined and Value Added

6.114 simpleType: mailClassType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	1 = First-Class Mail
enumeration	2 = Periodicals
enumeration	3 = Standard Mail
enumeration	4 = Package Services
enumeration	6 = (Future Placeholder)

6.115 simpleType: maildatContainerStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	R = Ready to Pay
enumeration	X = Paid
enumeration	C = Cancel
enumeration	D = Delete
enumeration	P = Preliminary Postage Statement
enumeration	T = Transportation Information Update

6.116 simpleType: maildatRecordStatus

Tag	Mail.XML 10.0A

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Base	Removed
enumeration	

6.117 simpleType: mailerID6Type

Tag	Mail.XML 10.0A
Base	mailxml_base:ns06

6.118 simpleType: mailerID9Type

Tag	Mail.XML 10.0A
Base	mailxml_base:ns09

6.119 simpleType: mailIssueType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.120 simpleType: mailXMLContainerType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	1 = #1 Sack
enumeration	2 = #2 Sack
enumeration	3 = #3 Sack
enumeration	4 = 01V Sack
enumeration	5 = 03V Sack
enumeration	6 = OD Sack
enumeration	7 = OD Parcel
enumeration	8 = OD Full Tray Box
enumeration	9 = OD Half Tray Box
enumeration	10 = Flat Trays
enumeration	11 = FRE/FRB
enumeration	E = EMM Tray
enumeration	F = Flat Tub
enumeration	L = Logical Tray
enumeration	O = 1' Tray
enumeration	P = Pallet
enumeration	S = Sack (General)
enumeration	T = 2' Tray
enumeration	V = Sack (Virtual)
enumeration	B = Bedload
enumeration	U – Unit Load Device
enumeration	Z = User Pallet
enumeration	X = (Future Placeholder)
enumeration	H = EIRS 61 – Hamper, Large Canvas
enumeration	A = EIRS 61P – Hamper, Large Plastic
enumeration	G = EIRS 66 – General Purpose Mail Container w/Gate

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enumeration	D = EIRS 68 – Eastern Region Mail Container w/Web Door
enumeration	R = EIRS 84 – Wire Container Rigid
enumeration	C = EIRS 84C – Collapsible Wire Container
enumeration	M = Logical Pallet (MLOCR)
enumeration	AB = Air Box *Note: For Mail.XML 11.0 when this value is provided – the PostalOne! system will reject the message with appropriate message.*
enumeration	Y = PMOD Sack

6.121 simpleType: mailXMLPresentationCategoryType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	M = MLOCR
enumeration	P = Conventional Presort
enumeration	I = Manifest Individual
enumeration	N = Single Piece
enumeration	S = Manifest Summary

6.122 simpleType: manifestType

Tag	Mail.XML 10.0A
enumeration	DM = Domestic Mail
enumeration	IM = International Mail

6.123 simpleType: manifestMailClassType

Tag	Mail.XML 10.0A
enumeration	BB = BoundPrinted Material
enumeration	BL = Library Rate
enumeration	BP = Parcel Post
enumeration	BS = Media Mail
enumeration	CP = Priority Mail International Parcels
enumeration	DM = Domestic Matter for the Blind
enumeration	EX = Express Mail®
enumeration	FC = First Class Mail®
enumeration	IE = Express Mail International
enumeration	IL = Priority Mail International Letters
enumeration	LC = First Class Mail International
enumeration	PG = Global Express Guaranteed
enumeration	PM = Priority Mail
enumeration	S2 = Standard Mail Non-Profit
enumeration	S3 = Standard Mail Enhanced

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	Carrier Route
enumeration	S4 = Standard Mail Nonprofit Enhance Carrier Route
enumeration	SA = Standard Mail

6.124 simpleType: manifestRateLevelType

Tag	Mail.XML 10.0A
enumeration	AD = "ADC Rate” BA = "Basic Rate" BM = "Balloon Rate" BP = "Basic Bound Printed Matter Pre-bar coded" BS = "NDC Special Standard" B3 = "3-Digit Balloon Rate" CB = "Carrier Route Basic Rate" CD = "Express Mail Custom Design" CH = "Carrier Route High Density Rate" CR = "Carrier Route Rate" CS = "Carrier Route Saturation Rate" C1 = "Cubic Pricing Tier 1" C2 = "Cubic Pricing Tier 2" C3 = "Cubic Pricing Tier 3" C4 = "Cubic Pricing Tier 4" C5 = "Cubic Pricing Tier 5" DN = "Dimensional Nonrectangular Rate" DR = "Dimensional Rectangular Rate" E1 = "Express Mail Same Day Airport Flat Rate" E3 = "Express Mail Flat Rate Hold For Pickup" E4 = "Express Mail Flat Rate Post Office To Addressee" FB = "Priority Mail Medium Flat Rate Box" FE = "Flat Rate Envelope" IG = "P/PS<15Lbs, combined length/girth >84" & <= 108" subject to balloon rate" IM = "P/ PS between 108" and 130" subject to oversize rate" MA = "Mixed ADC Rate" MB = "Mixed NDC Rate" NP = "Non-presorted Rate"

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	OS = "Oversize" PG = "PM<15lbs combined length/girth >84" & <=108" subject to balloon rate" PL = "Priority Mail Large Flat Rate Box" PM = "Priority Mail Large Flat Rate Box APO/FPO" PP = "Express Mail Hold For Pickup" PR = "Presorted Rate" RB = "Bulk Basic" SB = "Media Mail NDC" SP = "Single Piece Rate" S1 = "Single Piece – Flat" S2 = "Single Piece – Parcel" S5 = "Media Mail 5 Digit" 1A = "Intra-NDC Single Piece Rate" 1E = "Inter-NDC Single Piece Rate" 2A = "Intra-NDC Balloon Rate" 2E = "Inter-NDC Balloon Rate" 3A = "Intra-NDC Oversized Rate" 3D = "3-Digit Rate" 3E = "Inter-NDC Oversized Rate" 5D = "5 Digit Rate" 5S = "5 Digit Special Standard"

6.125 simpleType: manifestExtraServiceCode

Tag	Mail.XML 10.0A

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enumeration	420 = Parcel Return Service
enumeration	430 = Open & Distribute
enumeration	440 – Re Shipment
enumeration	910 = Certified Mail
enumeration	915 = COD
enumeration	920 – Delivery Confirmation
enumeration	921 = Signature Confirmation
enumeration	925 = Express Mail Merchandise Insurance
enumeration	930 = Insurance <=$200
enumeration	931 = Insurance >$200
enumeration	935 = Parcel Airlift (PAL)
enumeration	940 = Registered Mail
enumeration	950 = Restricted Delivery
enumeration	955 = Return Receipt
enumeration	957 = Return Receipt Electronic
enumeration	960 = Return Receipt for Merchandise
enumeration	970 = Special Handling
enumeration	980 = Merchandise Return Service (MRS)
enumeration	985 = Hold for Pickup

6.126 simpleType: mailXMLStatusType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	

6.127 simpleType: mIDStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	New
enumeration	Existing

6.128 simpleType: meteredAffixedMethodType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	C = Metered - Correct
enumeration	L = Metered – Lowest
enumeration	M = Metered - Neither

6.129 simpleType: monthType

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
maxInclusive	12
minInclusive	1

6.130 simpleType: moveUpdateMethodType

Tag	Mail.XML 10.0A

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Base	xs:integer
enumeration	0 = None
enumeration	1 = ACS
enumeration	2 = NCOA
enumeration	3 = FAST Forward
enumeration	4 = Mailer Move Update Process
enumeration	5 = Ancillary Service Endorsement
enumeration	6 = Multiple
enumeration	7 = N/A
enumeration	8 = OneCode ACS

6.131 simpleType: moveUpdateType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	

6.132 simpleType: MPUIDType

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	5

6.133 simpleType: ns02

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{2}

6.134 simpleType: ns03

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{3}

6.135 simpleType: ns04

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{4}

6.136 simpleType: ns05

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{5}

6.137 simpleType: ns06

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{6}

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6.138 simpleType: ns08

Tag	Mail.XML 10.0A
Base	Removed
pattern	

6.139 simpleType: ns09

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{9}

6.140 simpleType: ns10

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{10}

6.141 simpleType: ns11

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{11}

6.142 simpleType: ns13

Tag	Mail.XML 10.0A
Base	Removed
pattern	

6.143 simpleType: ns22

Tag	Mail.XML 10.0A
Base	xs:string
pattern	[0-9]{22}

6.144 simpleType: n01

Tag	Mail.XML 10.0A
Base	xs:positiveInteger
totalDigits	1

6.145 simpleType: n02

Tag	Mail.XML 10.0A
Base	xs:positiveInteger
totalDigits	2

6.146 simpleType: n03

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	3

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6.147 simpleType: n04

Tag	Mail.XML 10.0A
Base	Removed
totalDigits	

6.148 simpleType: n05

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	5

6.149 simpleType: n06

Tag	Mail.XML 10.0A
Base	xs:nonNegativeInteger
totalDigits	6

6.150 simpleType: newAddressType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	

6.151 simpleType: addressType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	F = Foreign
enumeration	G = General Delivery
enumeration	H = Highway Route Contract
enumeration	P = Post Office Box
enumeration	R = Rural Route
enumeration	S = Street Address
enumeration	U = Urbanization Name
enumeration	V = Highway Contract Route with box number
enumeration	X = Rural Route with box number

6.152 simpleType: operatingModeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	N = Normal
enumeration	B = ByPass

6.153 simpleType: onePassPlannedOrActualFlagType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A
enumeration	P

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6.154 simpleType: packageIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:s06

6.155 simpleType: PackageServicesType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	PS
enumeration	BPM
enumeration	LIB
enumeration	MEDIA
enumeration	PP

6.156 simpleType: packageCountRangeType

Tag	Mail.XML 10.0A
Base	xs:Integer
Pattern	[1-9]|[1-9][0]

6.157 simpleType: packagingMethodType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	0 = Piece Count
enumeration	1 = Weight
enumeration	2 = Both

6.158 simpleType: palletHandlingUnitType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Sacks
enumeration	Bundles
enumeration	MixedLengthTrays
enumeration	1ft Tray
enumeration	2ft Tray
enumeration	EMM Tray
enumeration	Flat Tub
enumeration	Parcels

6.159 simpleType: palletType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Pallet
enumeration	EIRS 61 - Hamper, Large Canvas
enumeration	EIRS 61P - Hamper, Large Plastic
enumeration	EIRS 66 - General Purpose Mail Container w/Gate
enumeration	EIRS 68 - Eastern Region Mail Container w/Web Door
enumeration	EIRS 84 - Wire Container Rigid

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enumeration	EIRS 84C - Collapsible Wire Container

6.160 simpleType: parentContainerRefIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:s06

6.161 simpleType: percentageType

Tag	Mail.XML 10.0A
Base	xs:decimal
totalDigits	5
fractionDigits	2
minInclusive	0.00
maxInclusive	100.00

6.162 simpleType: periodicalPriceType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	D = Non-Advertising Pound Rate – DSCF (B13)
enumeration	C = Non-advertising Pound Rate – DDU (B12)
enumeration	E = Non-Advertising Pound Rate – DADC (B14)
enumeration	R = Repositionable notes (surcharge) (A21, F2)
enumeration	Z = Non-Advertising Pound Rate – All Others (B15)
enumeration	5 = Non-Advertising Piece Rate (C30)
enumeration	9 = Ride-along Surcharge (A20, F1)
enumeration	1 = DDU (A17)

6.163 simpleType: periodicalStatementType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	N

6.164 simpleType: permitTypeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	PI = Permit Imprint
enumeration	MT = Metered Tape
enumeration	PC = Pre-cancelled Stamps
enumeration	BR = Business Reply
enumeration	PE = Periodicals
enumeration	GH = Ghost
enumeration	OI = Official Imprint
enumeration	OM = Official Imprint
enumeration	PP = Pending Periodicals

6.165 simpleType: phoneNumberType

Tag	Mail.XML 10.0A

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Base	xs:string
maxLength	25
minLength	1
whiteSpace	preserve

6.166 simpleType: pickupOrDeliveryType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Pickup
enumeration	Delivery

6.167 simpleType: planetCodeType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	13
minLength	11
pattern	[0-9]{2}

6.168 simpleType: postageGroupingIDType

Tag	Mail.XML 10.0A
Base	mailxml_base:s08

6.169 simpleType: postagePaymentMethodType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	S
enumeration	M
enumeration	P

6.170 simpleType: postageStatementLineNumber1Type

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	E26
enumeration	E27
enumeration	E28
enumeration	E29
enumeration	E30
enumeration	E31
enumeration	E32
enumeration	E33
enumeration	E34
enumeration	E35
enumeration	E36
enumeration	E37
enumeration	E38
enumeration	E39
enumeration	E40
enumeration	E41
enumeration	E42

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enumeration	E43
enumeration	E44
enumeration	E45
enumeration	E46

6.171 simpleType: postageStatementLineNumber2Type

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	E1
enumeration	E2
enumeration	E3
enumeration	E4
enumeration	E5
enumeration	E6
enumeration	E7
enumeration	E8
enumeration	E9
enumeration	E10
enumeration	E11
enumeration	E12
enumeration	E13
enumeration	E14
enumeration	E15
enumeration	E16
enumeration	E17
enumeration	E18
enumeration	E19
enumeration	E20
enumeration	E21
enumeration	E22
enumeration	E23
enumeration	E24

6.172 simpleType: postageStatementLineNumber3Type

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	D1
enumeration	D2
enumeration	D3
enumeration	D4
enumeration	D5
enumeration	D6
enumeration	D7
enumeration	D8
enumeration	D9
enumeration	D10
enumeration	D11
enumeration	D12
enumeration	D13
enumeration	D14
enumeration	D15

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enumeration	D16
enumeration	D17

6.173 simpleType: postageStatementStateType

Tag	Mail.XML 10.0A
Base	Removed

6.174 simpleType: postageStatementStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	UPD = Updated
enumeration	FIN = Finalized
enumeration	REW = Rework
enumeration	REV = Reversed
enumeration	CAN = Cancelled
enumeration	FAI = Failed Verification
enumeration	PEN = Pending
enumeration	PAS = Passed
enumeration	INC = Incomplete
enumeration	NAP = Not Available for Processing
enumeration	EST = Estimate Postage
enumeration	CON = Consolidated Postage Statement
enumeration	ERR = Error
enumeration	COM = Complete
enumeration	AVW = Address Verification Warning
enumeration	PAV = Pending Address Verification
enumeration	FPP = Finalized Pending Payment

6.175 simpleType: priceType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	commercial
enumeration	commercialplus
enumeration	retail
enumeration	-

6.176 simpleType: primarySecondaryIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	P
enumeration	S

6.177 simpleType: processingCategoryType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	LT = Letter
enumeration	FL = Flat
enumeration	CD = Card
enumeration	OS = Outside Parcel

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enumeration	MP = Machinable Parcel
enumeration	IR = Irregular Parcel
enumeration	PF = Parcel, First Class
enumeration	CM = Custom Mail
enumeration	NP = Non-Machinable Parcel
enumeration	NA = Non-Flat Machinable Piece < 6oz
enumeration	NB = Non-Flat Machinable Piece > 6oz
enumeration	SP = Small Packets
enumeration	MB = M-Bags

6.178 simpleType: processingCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	S = Surface
enumeration	MXDS = Mixed Surface
enumeration	L = Locale
enumeration	WKG = Working Mail
enumeration	A = Air Separation
enumeration	MXDA = Mixed Air
enumeration	SP = Single Piece

6.179 simpleType: pvdsContainerType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	

6.180 simpleType: pvdsContainerSubType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	

6.181 simpleType: qualificationReportClassType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	FC = First Class
enumeration	S = Standard
enumeration	P = Periodicals
enumeration	PM = Priority Mail
enumeration	PP = Parcel Post
enumeration	A = Air Mail

6.182 simpleType: rateCategoryType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Saturation ECR

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Enumeration	A1 = Non-Automation Saturation – ECR
enumeration	AF = Saturation ECT Letter
enumeration	B = High Density ECR
Enumeration	B1 = Non-Automation High Density - ECR
Enumeration	Doesn't exist
Enumeration	Doesn't exist
Enumeration	Doesn't exist
Enumeration	Doesn't exist
enumeration	BF = High Density SCR Letter
enumeration	D = Carrier Route
enumeration	D1 = Non Automation Carrier Route
enumeration	DF = Carrier Letter
enumeration	E = 5 Digit Barcode
enumeration	FB = Firm Bundle (Not In-County)
enumeration	G = 5D Non-Barcode
enumeration	GF = 5D Letter
enumeration	H = 3 Digit Barcode
enumeration	K = 3D Non-Barcode
enumeration	KF = 3D Letter
enumeration	L = Basic Barcode
enumeration	L1 = AADC Barcode
enumeration	L2 = Mixed AADC Barcode
enumeration	L3 = ADC Barcode
enumeration	L4 = Mixed ADC Barcode
enumeration	L5 = ADC Non-Barcode
enumeration	L6 = Mixed ADC Non-Barcode
enumeration	L7 = AADC Non-Barcode
enumeration	L8 = Mixed AADC Non-Barcode
enumeration	Doesn't exist
enumeration	Doesn't exist
enumeration	Doesn't exist
enumeration	Doesn't exist
enumeration	N = Basic Non-Automation (Basic Presorted)
enumeration	O = Carrier Route – Barcode
enumeration	O1 = Non Automation Carrier Route – Barcode * CURRENTLY NOT ALLOWED TO BE USED.
enumeration	NG = 5 Digit Non Flat Machinable
enumeration	NK = 3 Digit Non Flat Machinable
enumeration	N5 = NDC Non Flat Machinable
enumeration	N6 = Mixed NDC Non Flat Machinable
enumeration	PI = 5 Digit Parcel 0.2063 Pounds or less
enumeration	PM = 3 Digit Parcel 0.2063 Pounds or less
enumeration	P7 = NDC Parcel 0.2063 pounds or less
enumeration	P8 = Mixed NDC Parcel 0.2063 Pounds or less
enumeration	PE = 5 Digit Machinable Parcel over 0.2063 Pounds
enumeration	PQ = NDC Machinable Parcel over 0.2063 Pounds

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enumeration	PR = Mixed NDC Machinable Parcel over 0.2063 Pounds
enumeration	PG = 5 Digit Irregular Parcel over 0.2063 Pounds
enumeration	PK = 3 Digit Irregular Parcel over 0.2063 Pounds
enumeration	P5 = NDC Irregular Parcel over 0.2063 Pounds
enumeration	P6 = Mixed NDC Irregular Parcel over 0.2063 Pounds
enumeration	S = Single Piece
enumeration	Z1 = Parcel Post (NDC Sort)
enumeration	Z2 = Parcel Post (ONDC Sort)
enumeration	P10 = Priority Mail Regional Rate Box A (max weight 15 lbs)
enumeration	P11 = Priority Mail Regional Rate Box B (max weight 20 lbs)
enumeration	P12 = Priority Mail – Cibic Tier 1 (up to .10 lbs)
enumeration	P13 = Priority Mail – Cubic Tier 2 (up to .20 lbs)
enumeration	P14 = Priority Mail – Cubic Tier 3 (up to .30 lbs)
enumeration	P15 = Priority Mail – Cubic Tier 4 (up to .40 lbs)
enumeration	P16 = Priority Mail – Cubic Tier 5 (up to .50 lbs)
enumeration	IA10 = International Postcards
enumeration	IA11 = Letters (up to 3.5 ounces), Flats and Packages/Small Packets (up to 4 pounds)
enumeration	IA12 = Nonmachinable Surcharge (letters only, up to 3.5 ounces)
enumeration	IA13 = M-Bag Airmail
enumeration	IB14 = Worldwide Nonpresort
enumeration	IB15 = International Surface Air Lift-M-Bag-ISAL
enumeration	IC15 = International Priority Mail-IPA
enumeration	IC17 = Worldwide Nonpresort
enumeration	IC18 = International Priority Mail-M-Bag-IPA
enumeration	ID19 = Priority Mail International
enumeration	ID20 = Flat Rate Envelopes (Individual Weight Limit: 4 lbs.) (15" x 9 1/2" or Smaller)
enumeration	ID21 = Padded Flat Rate Envelope (Individual Weight Limit: 4 lbs.)
enumeration	ID22 = Small Flat Rate Boxes (Individual Weight Limit: 4 lbs.) (Including items O-Small FRBX, ODVDS, and O-1096-L)
enumeration	ID23 = Medium Flat Rate Boxes (Individual Weight Limit: 20 lbs.)
enumeration	ID24 = Large Flat Rate Box (Individual Weight Limit: 20 lbs.)
enumeration	IE25 = Flat Rate Envelopes (Individual Weight Limit: 4 lbs.) (15" x 9 1/2" or Smaller)
enumeration	IE26 = Padded Flat Rate Envelope (Individual

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	Weight Limit 4 lbs.)
enumeration	IE27 = Small Flat Rate Boxes (Individual Weight Limit: 4 lbs.) (Including items O-Small FRBX, ODVDS, and O-1096-L)
enumeration	IE28 = Medium Flat Rate Boxes (Individual Weight Limit: 20 lbs.)
enumeration	IE29 = Large Flat Rate Box (Individual Weight Limit: 20 lbs.)
enumeration	IF30 = Express Mail International
enumeration	IF31 = Express Mail International Flat Rate Envelopes (15" x 9 1/2" or Smaller)
enumeration	IG32 = Global Express Guaranteed (GXG)
enumeration	IH33 = Global Bulk Economy Mail-Base Prices-New Jersey Entry
enumeration	IH34 = Global Bulk Economy Mail-M-Bag - New Jersey Entry
enumeration	II35 = NDG Presort
enumeration	II36 = LCP Delivery Mode Direct
enumeration	II37 = LCP Delivery Facility
enumeration	II38 = LCP Distribution Center Facility (DCF)
enumeration	II39 = LCP Forward Consolidation Point (FCP)
enumeration	II40 = LCP Residual
enumeration	II41 = Excess Weight Postage-if applicable (for items over 0.1100 lbs. up to 1.100 lbs. [over 1.76 oz. up to 17.6 oz.])
enumeration	IJ42 = NDG Presort
enumeration	IJ43 = LCP Delivery Mode Direct
enumeration	IJ44 = LCP Delivery Facility
enumeration	IJ45 = LCP Distribution Center Facility (DCF)
enumeration	IJ46 = LCP Forward Consolidation Point (FCP)
enumeration	IJ47 = LCP Residual
enumeration	IK48 = Canada Lettermail - Standard (S/L) - up to 1.0576 oz.
enumeration	IK49 = Canada Lettermail - Standard (S/L) - over 1.0576 oz. and up to 1.7632 oz.
enumeration	IK50 = Canada Lettermail - Other Lettermail (Non-standard and Oversize) - up to 3.5264 oz.
enumeration	IK51 = Canada Lettermail - Other Lettermail (Non-standard and Oversize) - over 3.5264 oz. and up to 7.0544 oz.
enumeration	IK52 = Canada Lettermail - Other Lettermail (Non-standard and Oversize) - over 7.0544 oz. and up to 10.5808 oz.
enumeration	IK53 = Canada Lettermail - Other Lettermail (Non-standard and Oversize) - over 10.5808 oz. and up to 14.1088 oz.
enumeration	IK54 = Canada Lettermail - Other Lettermail (Non-standard and Oversize) - over 14.1088 oz. and up to 17.6368 oz.
enumeration	IK55 = Canada Incentive Lettermail - Standard (S/L) Machineable - up to 1.0576 oz.
enumeration	IK56 = Canada Incentive Lettermail - Standard

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	(S/L) Machineable - over 1.0576 oz. and up to 1.7632 oz.
enumeration	IK57 = Canada Incentive Lettermail - Standard (S/L) Machineable - over 1.7632 oz. and up to 3.5264 oz.
enumeration	IK58 = Canada Incentive Lettermail - Standard (S/L) - Presort - up to 1.0576 oz.
enumeration	IK59 = Canada Incentive Lettermail - Standard (S/L) - Presort - over 1.0576 oz. and up to 1.7632 oz.
enumeration	IK60 = Canada Incentive Lettermail - Standard (S/L) - Presort - over 1.7632 oz. and up to 3.5264 oz.
enumeration	IK61 = Canada Incentive Lettermail - Standard (S/L) - Presort Local - up to 1.0576 oz.
enumeration	IK62 = Canada Incentive Lettermail - Standard (S/L) - Presort Local - over 1.0576 oz. and up to 1.7632 oz.
enumeration	IK63 = Canada Incentive Lettermail - Standard (S/L) - Presort Local - over 1.7632 oz. and up to 3.5264 oz.
enumeration	IK64 = Canada Incentive Lettermail - Oversize (O/S) - Machineable - up to 3.5264 oz.
enumeration	IK65 = Canada Incentive Lettermail - Oversize (O/S) - Machineable - over 3.5264 oz. and up to 17.6368 oz.
enumeration	IK66 = Canada Incentive Lettermail - Oversize (O/S) - Presort - up to 3.5264 oz.
enumeration	IK67 = Canada Incentive Lettermail - Oversize (O/S) - Presort - over 3.5264 oz. and up to 17.6368 oz.
enumeration	IQ68 = Global Direct
enumeration	IR69 = Reserved
enumeration	PS1
enumeration	PS2
enumeration	PS3
enumeration	PS4
enumeration	PS5
enumeration	PS6
enumeration	PS7
enumeration	PS8
enumeration	PS9
enumeration	PS10
enumeration	PS11

6.183 simpleType: rateLevelType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	SP = Single Piece
enumeration	5B = Auto 5 Digit
enumeration	3B = Auto 3 Digit
enumeration	AB = Auto ADC/AADC
enumeration	PSRT = Presort

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enumeration	5D = Presort 5 Digit
enumeration	3D = Presort 3 Digit
enumeration	NDC = NDC Presort
enumeration	ONDC = ONDC Presort
enumeration	BP = Standard Mail NDC
enumeration	MP = Mixed NDC Standard
enumeration	AD = ADC Presort
enumeration	MD = Mixed ADC Presort
enumeration	WS = Carrier Route Saturation
enumeration	HD = Carrier Route High Density
enumeration	CR = Carrier Route Basic
enumeration	MB = Auto Mixed ADC/AADC
enumeration	FB = Firm Bundle
enumeration	BB = Barcode Basic
enumeration	SCF

6.184 simpleType: rateLevelIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Auto (use with Rate Level 5B, 3B, AB, MB)
enumeration	B = Non-Auto (use with Rate Level 5D, 3D, AD, MD)
enumeration	C = ECR (use with Rate Level WS, HD, CR)
enumeration	M = Machinable (use with Rate Level AB, MB)
enumeration	N = Non-Machinable (use with Rate Level 5D, 3D, AD, MD)

6.185 simpleType: rateType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	R = Regular
enumeration	L = Library Mail
enumeration	B = Bound Printed Matter
enumeration	C = Classroom
enumeration	S = Science of Agriculture
enumeration	F = Media Mail
enumeration	A = Alt Delivery
enumeration	N = Non-Profit
enumeration	P = Parcel Post
enumeration	T = Priority Mail
enumeration	X = Other
enumeration	H = (Placeholders)
enumeration	M = (Placeholders)
enumeration	Z = (Placeholders)
enumeration	E = Priority Mail Flat Fixed (Rate Envelope)

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enumeration	G = Priority Mail Flat Fixed (rate Box)
enumeration	1 = UA (International)
enumeration	2 = UL (International)
enumeration	3 = UM (International)
enumeration	4 = UR (International)
enumeration	J = Priority Mail Flat – Large Box
enumeration	K = Priority Mail Flat – Large Box APO/FPO
enumeration	Doesn't exist
enumeration	W = Science and Agriculture Limited
enumeration	Y = Regular Limited Circulation

6.186 simpleType: reasonCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = Attempted – Not Known
enumeration	B = Returned for Better Address
enumeration	D = Outside Delivery Limits
enumeration	E = In Dispute
enumeration	I = Insufficient Address
enumeration	L = Illegible
enumeration	M = No Mail Receptacle
enumeration	N = No such number
enumeration	P = Deceased
enumeration	Q = Not Deliverable as Addressed/ Unable to Forward
enumeration	R = Refused
enumeration	S = No Such Street
enumeration	U = Unclaimed
enumeration	V = Vacant
enumeration	X = No Such Office

6.187 simpleType: recipientType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	

6.188 simpleType: recurringStatusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Active
enumeration	Pending
enumeration	All

6.189 simpleType: reservationNumberType

Tag	Mail.XML 10.0A

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Base	mailxml_base:s15

6.190 simpleType: roleType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Data Update Agent
enumeration	Owner
enumeration	Confirm Subscriber
enumeration	Confirm Data Receiver
enumeration	ACS Data Receiver
enumeration	ACS Subscriber
enumeration	List Owner
enumeration	Mail Creator
enumeration	Addressor
enumeration	Comail
enumeration	CoMingler
enumeration	MLOCR
enumeration	Mail Owner
enumeration	Mail Agent
enumeration	Entry Point Planner
enumeration	Shipment Planner
enumeration	Consolidator
enumeration	Secondary Consolidator
enumeration	Appointment Management Receiver
enumeration	Consignee/Product Receiver
enumeration	Dispatcher
enumeration	Tracker CONFIRM-scan
enumeration	Tracker CONFIRM-payer
enumeration	Tracker Seed Source
enumeration	Tracker Piece-level-scan
enumeration	Tracker ASN-scan
enumeration	Tracker Induction-scan
enumeration	Tracker Planet-code
enumeration	ACS receiver
enumeration	ACS payer
enumeration	Seamless Acceptance
enumeration	Seamless Verification
enumeration	Security
enumeration	Logistics Provider
enumeration	Carrier
enumeration	Data Brokering Agent
enumeration	Nixie
enumeration	StartTheClock
enumeration	ContainerVisibility
enumeration	DeliveryPointValidation

6.191 simpleType: responsibleTransportationPartyType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Shipper

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enumeration	Consignee

6.192 simpleType: RoutingZipCodeType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	11
minLength	0

6.193 simpleType: s01

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	1
minLength	1
whiteSpace	preserve

6.194 simpleType: s02

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	2
minLength	1
whiteSpace	preserve

6.195 simpleType: s03

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	3
minLength	1
whiteSpace	preserve

6.196 simpleType: s04

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	4
minLength	1
whiteSpace	preserve

6.197 simpleType: s05

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	5
minLength	1
whiteSpace	preserve

6.198 simpleType: s06

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	6
minLength	1

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whiteSpace	preserve

6.199 simpleType: s07

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	7
minLength	1
whiteSpace	preserve

6.200 simpleType: s08

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	8
minLength	1
whiteSpace	preserve

6.201 simpleType: s09

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	9
minLength	1
whiteSpace	preserve

6.202 simpleType: s10

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	10
minLength	1
whiteSpace	preserve

6.203 simpleType: s11

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	11
minLength	1
whiteSpace	preserve

6.204 simpleType: s12

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.205 simpleType: s15

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	15

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minLength	1
whiteSpace	preserve

6.206 simpleType: s16

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	16
minLength	1
whiteSpace	preserve

6.207 simpleType: s18

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	18
minLength	1
whiteSpace	preserve

6.208 simpleType: s20

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	20
minLength	1
whiteSpace	preserve

6.209 simpleType: s22

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	22
minLength	1
whiteSpace	preserve

6.210 simpleType: s25

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	25
minLength	1
whiteSpace	preserve

6.211 simpleType: s28

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	28
minLength	1
whiteSpace	preserve

6.212 simpleType: s30

Tag	Mail.XML 10.0A
Base	xs:string

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maxLength	30
minLength	1
whiteSpace	preserve

6.213 simpleType: s31

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	37
minLength	1
whiteSpace	preserve

6.214 simpleType: s40

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	40
minLength	1
whiteSpace	preserve

6.215 simpleType: s45

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	45
minLength	1
whiteSpace	preserve

6.216 simpleType: s50

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	50
minLength	1
whiteSpace	preserve

6.217 simpleType: s60

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	60
minLength	1
whiteSpace	preserve

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6.218 simpleType: s64

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	64
minLength	1
whiteSpace	preserve

6.219 simpleType: s66

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	66
minLength	1
whiteSpace	preserve

6.220 simpleType: s72

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.221 simpleType: s80

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	80
minLength	1
whiteSpace	preserve

6.222 simpleType: s255

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.223 simpleType: s256

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	256
minLength	1
whiteSpace	preserve

6.224 simpleType: s260

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	260
minLength	1
whiteSpace	preserve

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6.225 simpleType: sackingBasisType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	0 = Piece Count
enumeration	1 = 20 lbs.
enumeration	2 = 125 Pieces
enumeration	3 = 15 lbs.
enumeration	4 = Both

6.226 simpleType: scheduledInductionDateType

Tag	Mail.XML 10.0A
Base	xs:date

6.227 simpleType: scheduledInductionTimeType

Tag	Mail.XML 10.0A
Base	xs:time

6.228 simpleType: scheduledInHomeDateType

Tag	Mail.XML 10.0A
Base	xs:date

6.229 simpleType: serialNumberTenOrFourteen

Tag	Mail.XML 10.0A
Base	Doesn't exist
Pattern	

6.230 simpleType: segmentIDType

Tag	Mail.XML 10.0A
Base	Removed
maxLength	
minLength	
whiteSpace	

6.231 simpleType: serviceLevelIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	F = Full-Service
enumeration	B = Basic
enumeration	P = POSTNET
enumeration	O = Other

6.232 simpleType: serviceCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	CM = Certified Mail
enumeration	COD = Collect on Delivery
enumeration	COM = Certificate of Mailing

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enumeration	DC = Delivery Confirmation
enumeration	IM = Insured Mail
enumeration	PAL = Parcel Airlift
enumeration	RD = Restricted Delivery
enumeration	RM = Registered Mail
enumeration	RR = Return Receipt
enumeration	RRE = Return Receipt Electronic
enumeration	RRM = Return Receipt for Merchandise
enumeration	SC = Signature Confirmation
enumeration	SH = Special Handling
enumeration	AS = Adult Signature
enumeration	RAS = Restricted Adult Signature
enumeration	Doesn't exist

6.233 simpleType: ServiceTypeCodeType

Tag	Mail.XML 10.0A
Base	mailxml_base:ns03

6.234 simpleType: sortationLevelType

NOTE:
a-The SortationLevelType is no longer used. It is replaced by ContainerLevelType.
b- Wherever SortationLevel is used, it is defined as Type=ContainerLevelType.

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	CRD
enumeration	5DG
enumeration	CR5
enumeration	5DGS
enumeration	CR5S
enumeration	M5D
enumeration	M5DS
enumeration	MET
enumeration	3DG
enumeration	CR3
enumeration	3DGS
enumeration	ADC
enumeration	AADC
enumeration	MADC
enumeration	MAAD
enumeration	SCF
enumeration	PSCF
enumeration	NDC
enumeration	PNDC
enumeration	MNDC
enumeration	ASF
enumeration	OMX
enumeration	PADC
enumeration	MRDC
enumeration	SP

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enumeration	MXDS
enumeration	MXDA
enumeration	WORKING
enumeration	SINGLEPIECE
enumeration	SURFACE
enumeration	AIR
enumeration	LOCAL

6.235 simpleType: serviceSubCodeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	N = None or Not Bulk
enumeration	E = Electronic
enumeration	R = Retail or Registered
enumeration	T = Requested at Time of Mailing
enumeration	B = Bulk

6.236 simpleType: standardFlatTypeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Catalog
enumeration	NotCatalog

6.237 simpleType: stateCode

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	AA
enumeration	AE
enumeration	AP
enumeration	AL
enumeration	AK
enumeration	AS
enumeration	AZ
enumeration	AR
enumeration	CA
enumeration	CO
enumeration	CT
enumeration	DE
enumeration	DC
enumeration	FM
enumeration	FL
enumeration	GA
enumeration	GU
enumeration	HI
enumeration	IL
enumeration	IN
enumeration	IA
enumeration	ID
enumeration	KS
enumeration	KY

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enumeration	LA
enumeration	MH
enumeration	MD
enumeration	MA
enumeration	MO
enumeration	MI
enumeration	MN
enumeration	MS
enumeration	MT
enumeration	NE
enumeration	NH
enumeration	NV
enumeration	NJ
enumeration	NM
enumeration	NY
enumeration	NC
enumeration	ND
enumeration	MP
enumeration	OH
enumeration	OR
enumeration	OK
enumeration	PW
enumeration	PA
enumeration	PR
enumeration	RI
enumeration	SC
enumeration	SD
enumeration	TN
enumeration	TX
enumeration	UT
enumeration	VT
enumeration	VI
enumeration	VA
enumeration	WA
enumeration	WV
enumeration	WI
enumeration	WY

6.238 simpleType: statusType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Accepted
enumeration	Amended
enumeration	Cancelled
enumeration	Counterproposal
enumeration	New
enumeration	NoAction
enumeration	Original
enumeration	PartiallyAccepted
enumeration	Pending
enumeration	Rejected
enumeration	Replaced

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6.239 simpleType: stopDesignatorType

Tag	Mail.XML 10.0A
Base	mailxml_base:s02

6.240 simpleType: surchargeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	2 = Oversized Surcharge
enumeration	A = First-Class Mail Parcel Surcharge
enumeration	D = Dimensional Rate
enumeration	N = Not Oversized
enumeration	P = Balloon Surcharge
enumeration	E = Permit Reply Mail
enumeration	R = First-Class Mail Non-machinable Letters (0.0625 lbs or less)
enumeration	L = Detached Address Labels Used

6.241 simpleType: totalWeightType

Tag	Mail.XML 10.0A
Base	mailxml_base:s05

6.242 simpleType: trailerLengthType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	20ft
enumeration	40ft
enumeration	45ft
enumeration	48ft
enumeration	53ft

6.243 simpleType: transportationMethodType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	USPS
enumeration	Mailer

6.244 simpleType: transportationModeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	0 = Reject Due to Error
enumeration	1 = Local and Working
enumeration	2 = Bypassed or Unassigned Surface or Air Mail
enumeration	3 = Assigned Surface (S-AMS Surface)
enumeration	4 = Assigned Air

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enumeration	9 = Reject Due to Purge

6.245 simpleType: transShipBoLNumberType

Tag	Mail.XML 10.0A
Base	mailxml_base:s05

6.246 simpleType: trayType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	MixedLengthTrays
enumeration	1ft Tray
enumeration	2ft Tray
enumeration	EMM Tray
enumeration	Flat Tub

6.247 simpleType: trayTypeIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	T = 2 Foot Tray
enumeration	M = MLOCR
enumeration	N = MM Tray
enumeration	E = EMM Tray
enumeration	O = 1 Foot Tray
enumeration	U = Unit Load Device

6.248 simpleType: truckDispatchNumberType

Tag	Mail.XML 10.0A
Base	mailxml_base:s10

6.249 simpleType: unitLoadType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	CrossDockPallets
enumeration	WorkingPallets
enumeration	Trailers

6.250 simpleType: unloadStateType

Tag	Mail.XML 10.0A
Base	Removed
enumeration	
enumeration	
enumeration	

6.251 simpleType: uOMType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	AirDryMetricTonne
enumeration	AirDryPercent

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enumeration	AirDryShortTon
enumeration	Bale
enumeration	BoardFoot
enumeration	BookUnit
enumeration	Box
enumeration	Bundle
enumeration	C-Size
enumeration	Centimeter
enumeration	Cord
enumeration	CubicFoot
enumeration	CubicMeter
enumeration	Cubit
enumeration	Day
enumeration	DotsPerInch
enumeration	Foot
enumeration	Gallon
enumeration	Gram
enumeration	GramsPerSquareMeter
enumeration	Hour
enumeration	HundredBoardFeet
enumeration	HundredLinealFeet
enumeration	HundredPound
enumeration	HundredSquareFeet
enumeration	Inch
enumeration	Kilogram
enumeration	KilogramsPerDay
enumeration	KilogramsPerWeek
enumeration	KnownBreaks
enumeration	Layer
enumeration	Leaves
enumeration	LinearFoot
enumeration	LinesPerInch
enumeration	Load
enumeration	MagazineUnit
enumeration	Megabyte
enumeration	Meter
enumeration	MetricTon
enumeration	MetricTonsPerDay
enumeration	MetricTonsPerWeek
enumeration	Micron
enumeration	Millimeter
enumeration	Minute
enumeration	Month
enumeration	None
enumeration	Package
enumeration	Page
enumeration	PagesPerInch
enumeration	PalletUnit
enumeration	Percentage
enumeration	PerThousand
enumeration	Picas
enumeration	Piece
enumeration	PixelsPerInch

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enumeration	Pound
enumeration	PoundsPerDay
enumeration	PoundsPerHour
enumeration	PoundsPerWeek
enumeration	PulpUnit
enumeration	Ream
enumeration	Reel
enumeration	Set
enumeration	Sheet
enumeration	ShortTon
enumeration	ShortTonsPerDay
enumeration	ShortTonsPerHour
enumeration	ShortTonsPerWeek
enumeration	Signature
enumeration	Skid
enumeration	SquareInch
enumeration	SquareFeet
enumeration	SquareMeter
enumeration	ThousandBoardFeet
enumeration	ThousandLinealFeet
enumeration	ThousandPieces
enumeration	ThousandSquareCentimeters
enumeration	ThousandSquareFeet
enumeration	ThousandSquareInch
enumeration	Ton
enumeration	TonsPerHour
enumeration	Unit
enumeration	UnknownBreaks
enumeration	Week
enumeration	Yard

6.252 simpleType: uniqueContainerIDType

Tag	Mail.XML 10.0A
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.253 simpleType: userInformationLine1Type

Tag	Mail.XML 10.0A
Base	mailxml_base:s40

6.254 simpleType: userInformationLine2Type

Tag	Mail.XML 10.0A
Base	mailxml_base:s40

6.255 simpleType: userLicenseCodeType

Tag	Mail.XML 10.0A
Base	xs:string

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maxLength	4
minLength	1
whiteSpace	preserve

6.256 simpleType: uspsPickupType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Y
enumeration	N

6.257 simpleType: verificationLocationType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	BMEU
enumeration	DMU

6.258 simpleType: verificationReportType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	CSAVerification
enumeration	ContainerBarcodeVerification
enumeration	HandlingUnitBarcodeVerification
enumeration	PieceBarcodeVerification
enumeration	ByForConflictVerification
enumeration	ServiceTypeVerification
enumeration	AppointmentVerification
enumeration	MailerIDVerification
Enumeration	ServicePerformanceVerification
enumeration	DeliveryPointVerification
enumeration	EntryFacilityVerification
enumeration	DefaultTrayBarcodeVerification
enumeration	IMDVerification
enumeration	All
enumeration	NoErrors

6.259 simpleType: wastedPieceIndicatorType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	W = Wasted
enumeration	S = Shortage
enumeration	X = Wasted piece and postage adjustment should NOT be triggered
enumeration	T = Shortage pieces not produced and postage adjustment should NOT be triggered

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6.260 simpleType: weekFrequencyType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Weekly
enumeration	Bi-Weekly
enumeration	First
enumeration	Second
enumeration	Third
enumeration	Fourth
enumeration	Fifth
enumeration	Sixth

6.261 simpleType: weightBreakType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	A = For standard Mail Non-Letters, Piece Weight is over 0.2063 lbs. For First-Class Mail Permit Reply, piece weight is over 0.0625 lbs.
enumeration	B = For standard mail, piece weight is 0.2063 lbs or less For First-Class Mail Permit Reply, piece weight is 0.0625 lbs or less.
enumeration	H = For standard Mail Letters, piece weight is over 0.2063 lbs
enumeration	N = None

6.262 simpleType: yesNo

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Yes
enumeration	No

6.263 simpleType: zipCodeThreeOrFiveDigit

Tag	Mail.XML 10.0A
Base	xs:string
pattern	"[0-9]{3}|[0-9]{5}" - Space removed

6.264 simpleType: zoneICType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	N = None
enumeration	M = [Future Placeholder]
enumeration	LC = Local
enumeration	1 = Zone 1 & 2
enumeration	3 = Zone 3
enumeration	4 = Zone 4

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enumeration	5 = Zone 5
enumeration	6 = Zone 6
enumeration	7 = Zone 7
enumeration	8 = Zone 8
enumeration	ICD
enumeration	IC
enumeration	DDU
enumeration	SCF
enumeration	ADC
enumeration	

6.265 simpleType: onePassOrTwoPassType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	One
enumeration	Two

6.266 simpleType: uspsPackageUniqueCharacteristicType

Tag	Mail.XML 10.0A
Base	Doesn't exist

6.267 simpleType: StandardFlatTypeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Catalog
enumeration	NonCatalog

6.268 simpleType: MarketingOrFulfillmentType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Marketing
enumeration	Fulfillment

6.269 simpleType: MLOCRRateType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	R
enumeration	N

6.270 simpleType: USPSPriceIncentiveType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	PostageAffixedReplyRidesFree
enumeration	Saturation-HDTotal

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enumeration	Saturation-HDSCF
enumeration	SummerSale
enumeration	International Mail Incentive
enumeration	ICM Incentive
enumeration	Priority Mail International Incentive
enumeration	Express Mail International Incentive
enumeration	MobileBarcode

6.271 simpleType: DMLTypeType

Tag	Mail.XML 10.0A
Base	xs:string
enumeration	Doesn't exist
enumeration	Doesn't exist
enumeration	Doesn't exist

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7. Appendix C - WSDLs and XSDs

The WSDL specification are posted on RIBBS® and can be downloaded from the following location:
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm

The above RIBBS® URL provides WSDLs for both TEM and production environments. User should always use this link to access the correct and updated version of WSDLs in future.

PULL WSDL LINKS FOR TEM ENVIRONMENT

To consume the WSDL services, the customer must use one of the following URLs in the TEM environments:

STRING-TYPE WSDL URL Link(s)

https://mailxmltem.uspspostalone.com/MLXMLServicesWeb/services/POAppointmentServices/wsdl/POAppointmentServices-MailXML60.wsdl

The USPS is no longer supporting the string type as of the Mail.XML 9.0X implementation. Currently, the USPS only accepts Message-Types WSDLs.

MESSAGE-TYPE WSDL URL Link(s)

The following link supports Mail.XML 8.1 version:
https://mailxmltem.uspspostalone.com/MailXML81ALLMsgType/WebServices/wsdl/USPSMailXML81ALLMsgType.wsdl

The following link supports Mail.XML Modular Specification (9.x and above):

On the Modular XSD, we support following WSDL points based on the Messages Group (Mailing, Supply Chain, Transportation, Data Distribution, and Identification). The WSDL endpoint for the message group will not change, will support multiple versions of Modular spec. In Release 25 – only Mailing, Supply Chain and Transportation (limited messages) will be supported.

Mailing:
https://mailxmltem.uspspostalone.com/Mailing/WebServices/wsdl/Mailing.wsdl

Supply Chain:
https://mailxmltem.uspspostalone.com/SupplyChain/WebServices/wsdl/SupplyChain.wsdl

Transportation:
https://mailxmltem.uspspostalone.com/Transportation/WebServices/wsdl/Transportation.wsdl

Data Distribution:
https://mailxmltem.uspspostalone.com/DataDistribution/WebServices/wsdl/DataDistribution.wsdl

Identification:
https://mailxmltem.uspspostalone.com/Identification/WebServices/wsdl/Identification.wsdl

PULL WSDL LINKS FOR PRODUCTION ENVIRONMENT

To consume the WSDL services, the customer must use one of the following URLs in the Production environments:

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STRING-TYPE WSDL URL Link(s)

https://fast.uspspostalone.com/MLXMLServicesWeb/services/POAppointmentServices/wsdl/POAppointmentServices-MailXML60.wsdl

MESSAGE-TYPE WSDL URL Link(s)

The following link supports Mail.XML 8.1 version:
https://p1webservices.uspspostalone.com/MailXML81ALLMsgType/WebServices/wsdl/USPSMailXML81ALLMsgType.wsdl

The following link supports Mail.XML Modular Specification (9.x and above):

On the Modular XSD, we support following WSDL points based on the Messages Group (Mailing, Supply Chain, Transportation, Data Distribution, and Identification). The WSDL endpoint for the message group will not change, will support multiple versions of Modular spec. In Release 25 – only Mailing, Supply Chain and Transportation (limited messages) will be supported.

Mailing:
https://p1webservices.uspspostalone.com/Mailing/WebServices/wsdl/Mailing.wsdl

Supply Chain:
https://p1webservices.uspspostalone.com/SupplyChain/WebServices/wsdl/SupplyChain.wsdl

Transportation:
https://p1webservices.uspspostalone.com/Transportation/WebServices/wsdl/Transportation.wsdl

Data Distribution:
https://p1webservices.uspspostalone.com/DataDistribution/WebServices/wsdl/DataDistribution.wsdl

Identification:
https://p1webservices.uspspostalone.com/Identification/WebServices/wsdl/Identification.wsdl

PUSH WSDLs INFORMATION

Customers interested in using the Push Subscription model to receive the data feedback automatically at a specified time to their servers must understand the following WSDL name change information for both string-type and message-type WSDLs:

STRING-TYPE PUSH WSDL

The customer need to provide URL for their Web Server and uses the following WSDL for all Mail.XML versions i.e. 8.1.The String-type Push WSDL will retire after Mail.XML 9.0X release. USPS encourages users to move to message-type WSDL as soon as possible.

WSDL NAME: POCustomerMailXMLServices.wsdl

MESSAGE-TYPE PUSH WSDL

The customer need to provide URL for their Web Server and uses the following WSDL that only supports Mail.XML version 8.1. The Message-type WSDL will be strictly implemented post Mail.XML 9.0X version

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For Mail.XML 8.1 – following WSDL name shall be used:
WSDL NAME: UserMailXML81PushMsgType.wsdl

For Mail.XML 10.A & 11.0 and future versions – following WSDL name shall be used:
WSDL NAME for Data Distribution: DataDistributionPush.wsdl
WSDL NAME for Transportation: TransportationPush.wsdl.

PUSH MESSAGES XSD NAME CHANGES INFORMATION

The USPS is implementing a new XSD name to support Mail.XML 8.1, and Mail.XML 9.0B Push subscription messages.

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