Mail.XML 12.0A Technical Specification

MID-CRID

Document Version 8.0

Release 31 June 2012
Release 32 October 2012
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February 8, 2013

Technical Support from the USPS Help Desk and Tier 2 Support:

The USPS provides Mail.XML technical support for mailers/vendors and support is only specific to the business rules it pertains to implementation of business transactions, error codes/descriptions and exception handling with the Mail.XML implementations.

The USPS does not provide nor it is equipped to provide technical support for software development tools or IDEs (Integrated Development Environments) like Visual Studio, and software development related activities as they pertain to different technology specific programming environments for different companies, such as .Net, Java, Visual Basic, Power Builder, C, C++ etc.

The Mailer/vendor is responsible for obtaining technical support and assistance directly from the IDE vendor such as Microsoft or IBM or Sun/Oracle for software development related help needs.

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DOCUMENT CHANGE HISTORY

Previous Change History Tables are now found in

These are the changes from Mail.XML 12.0A MID-CRID Version 7.0 to Mail.XML 12.0A MID-CRID Version 8.0

Date	Section	Title	Description
1/30/13	All		Checked fonts consistency throughout the document
1/30/13	All		Ensured proper usage and formatting of "the PostalOne! system" throughout the document
1/17/13			Assigned a new style to the document
1/17/13			Updated the front page to include Release 35 as a new release support Maill.XML 12.0A for MID-CRID functionalities
1/17/13		Index	Inserted and Index section at the end of the document

1. Postal Service Mail.XML

1.1 Overview

The document describes the Mail.XML messages that can be used to apply for Mailer IDs (MIDs) or Customer Registration IDs (CRIDs) electronically for mailers and mail owners.

1.2 Purpose

The purpose of this Technical MID/CRID application process document is to supplement the Postal service Mail.XML technical guide for Data Distribution and profiles, so that specific focus can be given to the MID and CRID application process.

Document Scope

This document is divided into following sections:

- Section 1.0: This section provides an overview of the Mail.XML and also states the purpose of this document.

- Section 2.0: This section provides an overview of the Profile Management functionalities for MID and CRID application

- Section 3.0: This section provides technical information (Data Structure and Business Rules) for all messages supported in Mail.XML 12.0A specifications

- Section 4.0: This section provides technical information (Data Structure and Business Rules) for all messages supported in 12.0A specifications

1.3 Intended Audience

The intended audiences for this document are technical programmers and technical managers who have prior knowledge of XML language and Mail.dat. The majority of codes used in the Mail.XML base XSD come from the Postal Service Mail.dat specification, which describes the flags used by IDEAlliance.

1.4 What is Mail.XML?

Mail.XML™ is an XML-based IDEAlliance® (www.mailxml.org) specification for web services supporting the (SOA) Services Oriented Architecture that is conversational in nature and platform independent. Web Services uses simple HTTP(s) protocol to communicate data over the Internet, hence bypassing technology-specific restrictions and avoiding network-related security rules. Sound implementations of web services are safe, secure, platform-independent, support near real time communication, and increase efficiency of conducting business in most business environments.

More importantly, the Mail.XML allows business function-specific communication and faster change management processes with no impact to other service providers/mailing environments within the mailing industry (you can add optional fields or new messages without requiring every software in the mailing supply chain to change), which has been a core improvement area for the Mail.dat® specification. Mail.XML is a complement to Mail.dat, where people using Mail.dat can continue to use it as a database, but will use Mail.XML for communication, automation of business to business processing, and getting answers in near real time from their business partners including the USPS.

The Mail.XML 12.0A functionality, when it was implemented in June 2012, provided four major business functions: eDoc messages, data distribution messages, profile management messages, and FAST scheduling messages. The focus of this document is profile management messages. These Mail.XML-based business functions will surpass any functionality available today through any data interface with the USPS®. The IDEAlliance Mail.XML version 12.0A specification is composed of families of related messages that provide all the capability that Mail.dat specification provided, as well as business function support that Mail.dat did not provide. Business functions supported include ability to request data on Customer Registration ID (CRID), and Mailer ID (MID). The specification also provides the mailing industry

to conduct many business functions through near real time communication mechanisms specifically to support joint scheduling and transportation management communications.

All business functions supported by the USPS as part of the Mail.XML implementation are based upon SOA (Services Oriented Architecture). With this architecture, where mailer's software manages the data transactions for query, create, update, and cancel business functions as well as 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.

1.5 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 April 2013.

Release/Date	Profile Management
November 2011	V8.1 (Pre-modular) and v10.0 (Modular)
January 2012	V10.0 (Modular) and v11.0D** (Modular starting in January 2012)
April 2012	V10.0 and V11.0D
June 2012	V10.0* and V11.0D V12.0A**
October 2012	V11.0D, V12.0A, V12.0B**
January 2013	V11.0D, V12.0A, V12.0B
April 2013	V11.0D, V12.0A, V12.0B

Table 1-1 Roadmap of Mail.XML supported version per release

> **Note:** *The version(s) flagged with single asterisk (*) are version(s) being retired with the release date.*

> **Note:** *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 Management messages for MIDs and CRIDs by Mail.XML 12.0A

Message Name	Supported in Mail.XML 12.0A
USPSCRIDCreateRequest	X
USPSCRIDCreateResponse	X
USPSMIDCreate Request	X
USPSMIDCreateResponse	X

Table 1-2 Profiles Management Messages List for Mail.XML 12.0A Version

1.6 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 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 Services is a feature that converts your software into an internet-based software and publish 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

1.7 Environments Supported by USPS

The USPS supports the following two environments for electronic file submissions.

TEM (Testing Environment for Mailers): This environment is used for authorization for all mailers prior to moving into the production environment. Mailers work with the help desk to start the approval process for their software, and will be approved in the TEM environment prior to sending Mail.XML data transactions in the production environment. The CRID and MID requests in the TEM environment utilize test data. Data entered for CRID and MID requests will impact the production data. Therefore it is requested that only a few CRID and a few MID requests be processed.

Production Environment: This environment is used by all customers that have been approved in the TEM send transactions/messages.

1.8 *PostalOne!* WSDL Information

All web services transactions that are made with the USPS should comply with the WSDL specification that 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

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 downloadable 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 approach i.e. String-Type WSDL and Message-Type WSDL. Following is basic information on each of the WSDL type to help customer understand what are the advantages and disadvantages of consuming String vs. Message Type WSDL:

Consuming String-Type WSDLs:

This method is more generalized, in which the 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, which 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 it needs to be manually registered in the code. The USPS discontinued support for this string type as of the Mail.XML 9.0 implementation. After the Mail.XML 9.0 implementation, USPS moved strictly to the Message-Type WSDLs to help the industry.

Consuming Message-Type WSDLs:

This method eliminates the need for manually registering each service and message type in the customer's environment. With this method, the customer can use an automated tool that can set up their environment without the hassle of 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 has transitioned to this type of Message WSDLs to help the industry remove manual editing and registering of messages. USPS stopped supporting String-Type WSDLs as of the Mail.XML 9.0 release.

The customer must use the message-type URL for the WSDLs services. These URLs are provided in Appendix C.

1.9 January 2012 Release New Features

The following are enhancements for the Mailer Identification (MID) tool starting with the January 2012 release:

- Implementation of the new USPS.com (Phoenix July 23 2011 Deployment) Style Sheet
- The ability to apply a Data Distribution Profile to multiple MIDs
- The ability to delegate editing or adding of an unassociated Full Service Address Change Service (ACS) billing profile to another Customer Registration Identification (CRID)
- Setting the default available MID count to 2 instead of 1

Mailer ID Tool (external facing pages) assumes the style sheet of the USPS.com look and feel from the Phoenix project deployed on July 23, 2011.

The MID system also allows external users to manage their Data Distribution profiles in bulk.

Once a user submits a new or updated Data Distribution profile for a given CRID, the MID system prompts the user if he would like to apply the same Data Distribution profile information to other MIDs in his profile.

If a user chooses to apply the Data Distribution profile information to other MIDs to be the recipient of the new or edited Data Distribution profile, the MID system allows the user to select one or any combination of MIDs associated with the user's CRID.

The section for MID selection in the MID system allows the user to apply Data Distribution profile information (one or any combinations) of MIDs associated with the user's CRID. The MID system also allows the user to select all MIDs.

The section for MID selection in the MID system contains the following fields:

- MID
- Customer Reference

In addition, the MID system allows the user to delegate a CRID to have the ability to edit or add unassociated Full Service ACS billing profile. In that scheme, all MIDs linked to the CRID have the same Full Service ACS billing profile.

MID Assignment

External users are allowed to request two MIDs without the system performing volume checks. Users are also able to request additional MIDs above the volume allotment.

Mailing Agents (or other third party, Mail Services providers (MSPs)) are allowed to request MIDs on behalf of their clients or mail owners.

Furthermore, the MID system allows a user to request up to two MIDs before it is required to verify mailing volumes.

Impact Assessment

The implementation of these features since January 2012 had increased the number of MIDs deployed to the production environment. These features tremendously improved the user experience of external mailers handling hundreds of MIDs Editing MID Data Distribution has since then become a streamlined process.

2. MID and CRID Application Process

This section covers the steps that can be followed to process the creation of CRIDs and MIDs.

> *Note 1*: *In order to use the USPS Web Services in the production environment all users must first complete the testing in the USPS TEM environment.*

> *Note 2*: *It is recommended that no more than 20 CRIDEntry elements be specified in the USPSCRIDCreateRequest message, and no more than 2 MIDEntry elements be specified in the USPSMIDCreateRequest message. If the systems are not able to process the request within ten (10) seconds, a fault response is returned to the user with a Tracking Id that the user can use to retrieve the response at a later time.*

2.1 Requesting CRIDs using Mail.XML Web Services

This section covers the CRID request process using Mail.XML. This section is written to support those mailers/users who wish to request for multiple CRIDs in one message.

> *Note*: *The MID and CRID Mail.XML requests are processed using the USPS production systems. Therefore, it is very important that the CRID and MID testing scenarios are successfully executed only one time. In order to avoid performance related issues, the Postal Service recommends that the CRID request sent in TEM or Production environment should have no more than twenty (20) CRID requests grouped in one message.*

2.1.1 Preconditions:

1. Review the TEM approval guide "Full-Service Data Feedback Authorization Guide for Mail.XML" located at RIBBS. This guide covers testing scenarios for the CRID and MID generation. Users are required to fill out the Survey form to identify that they wish to test CRID/MID functionality. Completing the survey forms will also initiate the process of mailer/user activation in the TEM (Test environment). Successful tests must be performed in the TEM environment in order to initiate activation in the production environment.

2. Addresses and Company names for TEM testing and real Production environments:

   a. When testing in TEM environment, send test data for the CRID generation requests. The CRIDs generated in the TEM environment are also transmitted to the production environment. Company names that are made-up company names and addresses that do not belong to that facility should be used as test data. Note that the addresses for the CRIDs are matched against the USPS Address Management System Database (AMS) system, therefore, for the CRID request to work the addresses must be real addresses.

   b. When requesting CRIDs in production environment, correct Company names and correct corresponding addresses should be used.

3. The requester will need one CRID and a Business Customer Gateway account to send this request.

4. The CRIDs can be requested for one's own organization, as well as, for a partner. The Mail.XML message requires the submitter to inform USPS if the request is "ApplyingForSelf" as a Yes or No indicator. Yes is translated as the request is for one's own organization, and No is translated as the request is for one's partner. In case No is selected, the Mail.XML Legal Acknowledgement block becomes required and submitter/agent must provide the full legal acknowledgement statement as defined in the sections below.

2.1.2 Process:

> *Note*: *This section covers an overview of the CRID request process. For detailed Technical Specifications and to identify exactly what format the data is*

*required and what field are required, please review the sections below labeled
as "Data Structure and Business Rules for Mail.XML…."*

1. Compile the list of addresses for the CRID with the required information as provided in this guide. For more information please review the section Prerequisites above.

2. Convert the list into compatible Mail.XML XSD verified form.

3. It is highly recommended that the requester sends only twenty (20) CRID addresses in one request. Multiple requests can be sent one after the other. For testing in the TEM environment we request that only one successful CRID Create Request be processed, as the CRIDs get transmitted to the Production environment. As for production multiple CRID Create Requests can be sent as needed, with no more than twenty (20) CRID requests in each.

2.1.3   USPS CRID Create Request Overview

Please refer to the USPSCRIDCreateRequest section in this document for details on the required fields and the business logic. Below is a snapshot of this Mail.XML message; more details are listed in the sections below.

Field	Sub Field	Format	Required
SubmittingParty			Required for system
Submitting Software			Required for system
CRIDEntry			
	Company Name	String 40	Required
	Permit Publication Data		Optional
	Company HQ Indicator	Yes or No simple type	Optional
	Address		Required
	Address Match	Yes or No	Required
	Applying For Self	Yes or No	Required
	Legal Acknowledgement Block		Conditional; required if ApplyingForSelf is set to "No"

Table 2-1 USPS CRID Create Request Overview

2.2 Requesting MIDs using Mail.XML Web Services

This section covers the MID request process using Mail.XML. This section is written to support those mailers/users who wish to request many MIDs at the same time.

> **Note:** *In order to avoid performance related issues, the Postal Service recommends that the MID request sent in TEM or Production environment should have no more than two (2) MIDEntry requests grouped in one message.*

2.2.1   Preconditions:

1. Review the TEM approval guide "Full-Service Data Feedback Authorization Guide for Mail.XML" located on RIBBS. This guide covers testing scenarios for the CRID and MID generation. Users are required to fill out the survey form to identify that they wish to test CRID/MID functionality. Completing the survey forms will also initiate the process of mailer/user activation in the TEM (Test environment). Successful tests must be performed in the TEM environment in order to initiate activation in the production environment.

2. Addresses and Company names for TEM testing and real Production environments:

   a. When testing in the TEM environment, send test data for the CRID generation requests. The MIDs generated in the TEM environment are also transmitted to the production environment. Company names that are made up company names and addresses that do not belong to that facility should be used as test data. Note that the addresses for the CRIDs are matched against the USPS Address Management System Database (AMS) system; therefore, for the MID request to work the addresses must be real addresses.

   b. When requesting MIDs, the production environment, correct company names and correct corresponding addresses should be used.

3. The requester will need one MID and a Business Customer Gateway account to send this request.

4. The MIDs can be requested for one's own organization, as well as for a partner. The Mail.XML message requires the submitter to inform USPS if the request is "ApplyingForSelf" via use of a Yes or No indicator. "Yes" is translated as meaning the request is for one's own organization, and "No" is translated as meaning the request is for one's partner. In case "No" is selected, the Mail.XML Legal Acknowledgement block becomes required and submitter/agent must provide the full legal acknowledgement statement as defined in the sections below.

2.2.2 Process:

> *Note: This section covers an overview of the MID request process. For detailed technical specifications and to identify the exact data format the required fields, please review the sections "Data Structure and Business Rules for Mail.XML"*

1. Compile the list of MID information and addresses with the required information as provided in this guide.

> *Note: In the TEM environment only dummy addresses and dummy company names must be used. You must not use real data in TEM as it will cause that data to be transmitted to the production CRID / MID system.*

2. Convert the list into compatible Mail.XML XSD verified form.

3. It is highly recommended that the requester sends only two (2) MID addresses in one Mail.XML MID Create Request message. Multiple MID requests can be sent one after the other. For testing in the TEM environment USPS requests that only one successful MID Create Request be processed, as the MIDs get transmitted to the Production environment. In the production environment, multiple MID Create Requests can be sent as needed, with no more than two (2) MID requests in each.

2.2.3 USPS MID Create Request (USPSMIDCreateRequest)

Please refer to the USPSMIDCreateRequest section in this document for details on the required fields and the business logic. Below is a snapshot of this Mail.XML message.

Field	Sub-Field	Format	Required
SubmittingParty			Required
SubmittingSoftware			Required
MIDEntry			Required
	CustomerCRID	CRIDType simple type	Required
	ApplyingForSelf	yesNo simple type	Required

Field	Sub-Field	Format	Required
	LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	Conditional; required if ApplyingForSelf is set to "No"

Table 2-2 USPS MID Create Request Overview

3. MID and CRID Mail.XML Messages Overview

3.1 Overview

As part of the Mail.XML 12.0A Web Services messages; USPS will allow mailers with the capability to manage their corporate identification.

Following is the list of messages supported in Mail.XML 12.0A Specification with the description and details on each of these messages:

Message Name	Message Description
USPSMIDCreateRequest	This message will allow Mailers to request the PostalOne! System to create the Mailer ID (MID), if one already exists, USPS responds with the existing 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 PostaOne! System to create the CRID for their corporation, if one already exists, USPS responds with the existing CRID.
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
IncentiveEnrollmentCreateRequest	This message will allow mailers to request the PostaOne! System to create an enrollment in the incentive program for themselves or their customers.
IncentiveEnrollmentCreateResponse	This is a response message that informs the requestor whether the request for enrolling in an incentive program has been accepted or rejected. If the request is accepted then the incentive enrollment data will be sent back to the mailer in the response message

Table 3-1 MID and CRID Mail.XML Messages Overview

3.2 Profile Management Messages Workflow

All messages in Profile Management families follows Pull method where user sends a request and expects to receive a response whether with the data or error/return code that is returned to the user.

There is no order by which user must request or send messages. User can request CRID or MID

creation messages without any order.

3.3 Exceptions

Following is the list of exceptions identified by USPS.

Mail.XML Version	Exception Description
12.0A	The customer should not zero pad their MID and CRID ID's

Table 3-2 List of exceptions identified by USPS

3.4 Fault 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 Mail.XML 12.0A

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.

Code	Description	Messages
402	Not Well Formed XML	Fault (All Mail.XML
403	Validation Failure – {specific error message thrown by parser}	Fault (All Mail.XML Messages)
412	Unauthorized – Required SubmittingParty	Fault (All Mail.XML
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
412	Unauthorized - Invalid user password	Fault (All Mail.XML
412	Unauthorized - Account disabled	Fault (All Mail.XML
412	Unauthorized - Maximum password retries reached	Fault (All Mail.XML Messages)
412	Unauthorized - Profile not found	Fault (All Mail.XML
440	Sorry - Mail.XML version is not supported	Fault (All Mail.XML
500	Generic Internal Responder Error	Fault (All Mail.XML
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)

Table 3-3 Fault Codes

3.5 MID and CRID 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 Mail.XML 12.0A.

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
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

Code	Description	Messages
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'	
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

Table 3-4 CRID Error/Return Codes

Code	Description	Messages
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

Table 3-5 MID Error/Return Codes

4. Data Structure and Business Rules for Mail.XML 12.0A Specification

Mail.XML 12.0A

The section below spells out the business rules and data structure for each of the MID and CRID messages that will be supported in the Mail.XML 12.0A specification

4.1 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):

  o CRID

  o ApplyingForSelf

- *PostalOne!* will provide feedback to the mailer using USPSMIDCreateResponse Message

If successful:

- Response is returned to mailer

- Response will include per MID requested:

  o One 9-digit MID if newly created

  o One or more MIDs if existing

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

- SubmitterTrackingID

The *PostalOne!* system for each Mail.XML message submitted uses the combination of message name, the SubmitterTrackingID, User ID, and the Mail.XML application generated variables of TrackingID and RequsetReceived to check if the message has already been processed in the last 45 days. If the message was already processed then *PostalOne!* shall consider the request as a duplicate request and in this case the system shall send the Response that was processed for the previous request. In this case the system adds a Warning message in the Accept block notifying the submitter that the request was a duplicate request.

The *PostalOne!* system will implement the new identifier "SubmitterTrackingID" that will be made part of all Mail.XML Request headers. This SubmitterTrackingID allows for the submitter of the request to uniquely identify one message from the other and to assist with identifying duplicate requests. The system shall handle this process for all Mail.XML Request messages including messages for eDoc, FAST, Data Distribution and MID/CRID generation.

- 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

- Legal Acknowledgment - Required to provide Legal Acknowledgment Block when Self Indicator is "No." This block requires following info:

  o UnderstandLegalLiabilityForApplyingForSomeOneElse

  o AcknowledgementNotifyingTheMailOwner

  o USPSLegalAgreement

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateRequest BEGINS				
SubmittingParty	participantIDType complex type	-	Required	SubmittingParty attributes not required by XSD, but CRID attribute in SubmitingParty is required by application to validate the user Refer to this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Appendix A
SubmitterTrackingID	String 20		Required	Refer to this simple type in Appendix B
MIDEntry	midEntryType complex type	-	Required 1 to many	See below for details on midEntryType
midEntryType BEGINS				
CustomerCRID	CRIDType simple type	-	Required	Refer to this simple type in Appendix B
CustomerName	String		Optional	
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer to this complex type in Appendix A

Field	Format	Acceptable Value	Business Rules	Comments
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to 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 to this simple type in Appendix B
LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	-	Conditionally required when ApplyingForSelf is "No	Refer to this complex type in Appendix A
midEntryType ENDS				
USPSMIDCreateRequest ENDS				

4.2 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):

  o CRID

  o ApplyingForSelf

- *PostalOne!* will provide feedback to the mailer using USPSMIDCreateResponse Message

If successful:

- Response is returned to mailer

- Response will include per MID requested:

  o One 9-digit MID if newly created

  o 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
  - o Returns all of the data blocks/elements that were sent in the USPSMIDCreateRequest message AND
  - o MID information, which is either MID6 or MID9 AND
  - o OPTIONAL return info block that contains return code and return description
- in REJECT block
  - o Returns all of the data blocks/elements that were sent in the USPSMIDCreateRequest message AND
  - o REQUIRED return info block that contains return code and return description to communicate the issue

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSMIDCreateResponse BEGINS				
TrackingID	String 20	-	Optional Allows the user to retrieve the data without requerying	
SubmitterTrackingID	String 20		Required	Refer to this simple type in Appendix B
Choice Block BEGINS			1 to many allowed Either Accept or Reject block is returned	
USPSMIDCreateAccept Block BEGINS				
MID	MIDType complex type	-	Required 1 to many	Refer to this complex type in Appendix A
MIDStatus	mIDStatus Type simple type	-	Required	Refer to this simple type in Appendix B
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type		Optional	Refer to this complex type in Appendix A
Sequence Block BEGINS				

Field	Format	Acceptable Value	Business Rules	Comments
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Appendix A
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Appendix A
Sequence Block ENDS				
USPSMIDCreateAccept Block ENDS				
USPSMIDCreateReject Block BEGINS				
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Required	Refer to this complex type in Appendix A
USPSMIDCreateReject Block ENDS				
Choice Block ENDS				
USPSMIDCreateResponse ENDS				

4.3 USPSCRIDCreateRequest

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

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

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

- Submitting Party

- Submitting Software

- SubmitterTrackingID

The *PostalOne!* system for each Mail.XML message submitted uses the combination of message name, the SubmitterTrackingID, User ID, and the Mail.XML application generated variables of TrackingID and RequsetReceived to check if the message has already been processed in the last 45 days. If the message was already processed then *PostalONE!* shall consider the request as a duplicate request and in this case the system shall send the Response that was processed for the previous request. In this case the system adds a Warning message in the Accept block notifying the submitter that the request was a duplicate request.

The *PostalOne!* system will implement the new identifier "SubmitterTrackingID" that will be made part of all Mail.XML Request headers. This SubmitterTrackingID allows for the submitter of the request to uniquely identify one message from the other and to assist with identifying duplicate requests. The system shall handle this process for all Mail.XML Request messages including messages for eDoc, FAST, Data Distribution and MID/CRID generation.

- Company Name

- Permit Publication Block (optional) that must provide information for the following required elements:
  - o Permit Number and PermitZip4 OR
  - o Publication Number

- Company HQ indicator. The accepted values are 'Yes' or 'No'

- Address Information block that must provide information for the required elements. Only AMS matched addresses will be processed for CRIDs. Mailers are requested to verify if the addresses are cleansed and can be matched in the AMS system.
  - o Address 1
  - o City

- o State
- o Zip Code
- Address Match Indicator. The accepted values are 'Yes' or 'No'
- Applying for Self indicator. The accepted values are 'Yes' or 'No'
- Required to provide Legal Acknowledgment block when 'Self Indicator' is No. The block requires following information
  - o UnderstandLegalLiabilityForApplyingForSomeOneElse. The accepted values are 'Yes' or 'No'.
  - o AcknowledgeNotifyingTheMailOwner. The accepted values are 'Yes' or 'No'
  - o USPSLegalAgreement. This field contains the USPS legal agreement by default.

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
SubmittingParty	participantIDType complex type	-	Required	SubmittingParty attributes not required by XSD, but SumitingParty is required by application to validate the user Refer to this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Appendix A
SubmitterTrackingID	String 20		Required	Refer to this simple type in Appendix B
CRIDEntry	CRIDEntryType complex type	-	Required 1 to many allowed	See below details for CRIDEntryType
CRIDEntryType BEGINS				
CompanyName	String 40		Required	-
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer to this complex type in Appendix A
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Appendix B
Address	addressType complex type	-	Required	Refer to this complex type in Appendix A
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Appendix B

Field	Format	Acceptable Value	Business Rules	Comments
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Appendix B
LegalAcknowledgementBlock	legalAcknowledgementBlockCRIDtype complex type	-	"Required when ApplyingForSelf is "No"	Refer to this complex type in Appendix A
CRIDEntryType ENDS				

4.4 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.

- In ACCEPT block

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

  o CRID number AND

  o OPTIONAL return info block that contains return code and return description to communicate the issues

- In REJECT block

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

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

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSCRIDCreate Response BEGINS				
TrackingID	String 20	-	Optional Allows the user to retrieve the data without requerying it.	
SubmitterTrackingID	String 20		Required	Refer to this simple type in Appendix B
Choice Block BEGINS			Required 1 to many allowed. Either QueryResults or QueryError block is returned	
USPSCRIDCreate Accept BEGINS			Required	
CRID	CRIDType	-	Required	Refer to this simple type in Appendix B
CRIDStatus	cRIDStatusType simple type	-	Required	Refer to this simple type in Appendix B
CRIDEntry	cridEntryType complex type	-	Required	Refer to this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer to this complex type in Appendix A
Sequence Block BEGINS				
CRIDEntry	cridEntryType complex type	-	Required	Refer to this complex type in Appendix A
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Appendix A
Sequence Block ENDS				

Field	Format	Acceptable Value	Business Rules	Comments
USPSCRIDCreate Accept Block ENDS				
USPSCRIDCreate Reject Block BEGINS				
CRIDEntry	cridEntryType complex type		Required	Refer to this complex type in Appendix A
ReturnInfo	basicReturnInfo complex type		Required	Refer to this complex type in Appendix A
USPSCRIDCreate Reject Block ENDS				
USPSCRIDCreate Response ENDS				

5. Appendix A – Mail.XML 12.0A Complex and Attribute Groups Definitions

5.1 Complex Type: basicReturnInfo

Field	Format	Acceptable Values	Business Rules	Comments
Sequence Block BEGINS			Optional 0 to many allowed	
Return Code	Numeric String – Length 4	-	Optional	
Return Description	String, Length 260	-	Required	
ContainerErrorWarningBlock	containerErrorWarningBlockType complex type	-	Optional	Refer to this complex type in Appendix A
Sequence Block ENDS				

5.2 Complex Type: CRIDEntryType

Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				
CompanyName	String 40		Required	-
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer to this complex type in Appendix A
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Appendix B
Address	addressType complex type	-	Required	Refer to this complex type in Appendix A
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Appendix B
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Appendix B
LegalAcknowledgementBlock	legalAcknowledgementBlockCRIDtype complex type	-	Conditional; required when ApplyingForSelf is set to No	Refer this complex type in Appendix A

Field	Format	Acceptable Value	Business Rules	Comments
CRIDEntryType BEGINS				

5.3 Complex Type: LegalAknowledgmentBlockCRIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledge mentBlockCRIDTy pe BEGINS				
UnderstandLegalLi abilityForApplyingF orSomeOneElse	yesNo simple type	-	Required	Refer to this simple type in Appendix B
AcknowledgeNotify ingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Appendix B

Field	Format	Acceptable Value	Business Rules	Comments
			Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations: designs, creates, prepares, processes, sorts, or otherwise prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or other USPS system identification number in the Mail Owner's name.- c. USPS system identification numbers include but are not limited to Mailer ID (MID)	

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledge mentBlockCRIDTy pe ENDS				

5.4 Complex Type: LegalAknowledgmentBlockMIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledg ementBlockMIDTy pe BEGINS				
UnderstandLegalL iabilityForApplying ForSomeOneElse	yesNo simple type	-	Required	Refer to this simple type in Appendix B
AcknowledgeNotif yingTheMailOwne r	yesNo simple type	-	Required	Refer to this simple type in Appendix B

Field	Format	Acceptable Value	Business Rules	Comments
			Required	
			This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations: designs, creates, prepares, processes, sorts, or otherwise prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or other USPS system identification number in the Mail	

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledg ementBlockMIDTy pe ENDS				

5.5 Complex Type: LegalAknowledgmentBlockMSPSType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledg ementBlockMSPS Type BEGINS				
UnderstandLegalL iabilityForApplying ForSomeOneElse	yesNo simple type	-	Required Default = No	Refer to this simple type in Appendix B
AcknowledgeNotif yingTheMailOwne r	yesNo simple type	-	Required	Refer to this simple type in Appendix B
USPSLegalAgree ment	String		Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the United States Postal Service (USPS) to receive, apply, and use USPS system identification numbers on behalf of a Mail Owner. - a. A Mail Service Provider (MSP), hereafter known as Mailing Agent, is a company or entity that performs one or more of the following functions on behalf of other companies or organizations:	-

Field	Format	Acceptable Value	Business Rules	Comments
			designs, creates, prepares, processes, sorts, or otherwise prepares postcards, letters, flats or packages for acceptance and delivery by the Postal Service.- b. A Mail Owner is defined as a company that has authorized a Mail Service Provider to act as its Mailing Agent with the USPS, and to perform Mailing Services on its behalf using the Mail Owner's Mailer ID/Customer Registration ID or other USPS system identification number in the Mail Owner's name.- c. USPS system identification numbers include but are not limited to Mailer ID (MID) and Customer Registration ID (CRID). A CRID is a unique number for a Mail Owner or Mailing Agent at an address and is normally assigned when a Mail Owner or Mailing Agent applies online with the Postal Service through the Business Customer Gateway. - d. By/For reflects the relationship	

Field	Format	Acceptable Value	Business Rules	Comments
			between the Mail Owner and Mailing Agent where typically the By field identifies the Mailing Agent and the For field identifies the Mail Owner. - e. A MID is a six-digit or nine-digit unique number which the USPS assigns to a Mail Owner or Mailing Agent for use in the Intelligent Mail barcodes to identify the Mail Owner or Mailing Agent. A MID is used to send information to the Mail Owner or Mailing Agent associated with the Mailer ID regarding Intelligent Mail mailing and shipping, and is normally assigned when a Mail Owner or Mailing Agent applies online with the USPS through the Business Customer Gateway. - f. A Business Service is defined as an online business function accessed through the Business Customer Gateway at gateway.usps.com, hereafter known as Business Services. - g. I, the Mailing Agent, declare to the	

Field	Format	Acceptable Value	Business Rules	Comments
			USPS that I have been authorized by my Mail Owner(s) to act as their Mailing Agent with the USPS and obtain the Business Services requested for business mailing matters on their behalf. - h. The Mailing Agent acknowledges that it has informed its Mail Owner customer(s), via electronic or paper communication, that: - i. 1. The Mail Owner remains responsible for all actions performed by its Mailing Agent with respect to its Mailer IDs, CRIDs or other USPS system identification numbers and Business Services; - j. 2. The Mail Owner can obtain details or ask questions from the USPS regarding its USPS system identification numbers and/or access to their information online at gateway.usps.com; and - k. 3. When the Delegate Management option for an USPS system identification	

Field	Format	Acceptable Value	Business Rules	Comments
			numbers has been requested, the management of the USPS system identification numbers or Business Services access obtained on their behalf will be delegated to the Mailing Agent company and that this delegation may be revoked by the Mail Owner at any time. - l.The Mailing Agent declares, that: - m. 1. It has reviewed the terms and conditions, as outlined in the Guide to Intelligent Mail Letters and Flats regarding mailer identification (By/For) relationship information with all Mail Owners for whom the customer identification numbers or business services have been requested; and/or - n. It has reviewed the terms and conditions, as outlined in Publication 199 Intelligent Mail Package Barcode (IMpb) Implementation Guide for Confirmation Services and Electronic Verification	

Field	Format	Acceptable Value	Business Rules	Comments
			System (eVS) Mailers and Publication 205 Electronic Verification System (eVS) Business and Technical Guide regarding use of the CRIDs, MID and other USPS identification numbers; - o. 2. It has advised and provided its Mail Owner the requisite information that is provided by the USPS including but not limited to USPS documentation on products and services defined in the Mailing Standards of the United States Postal Service (Domestic Mail Manual and International Mail Manual), technical specifications and guides, Postal Bulletins and Federal Register Notices; - p. 3. It has provided its Mail Owner the requisite information regarding pricing programs which includes but is not limited to incentive programs, contractual pricing the promotional campaign marketing material; work share discounts policies, participation and	

Field	Format	Acceptable Value	Business Rules	Comments
			eligibility rules as defined in Federal Register Notices filed by Product Classification of the USPS; and - q. 4. My Mail Owner has provided this authorization in writing and will produce such authorization upon request to the USPS or the United States Postal Inspection Service (or their agent). – r.	
LegalAcknowledg ementBlockMSPS Type ENDS				

5.6 Complex: MidEntryType

Field	Format	Acceptable Value	Business Rules	Comments
midEntryType BEGINS				
CustomerCRID	CRIDType simple type	-	Required	Refer to this simple type in Appendix B
CustomerName	String		Optional	
PermitPublication Data	permitPublication DataType complex type	-	Optional	Refer to this complex type in Appendix A
CompanyHQIndic ator	yesNo simple type	-	Optional	Refer to 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	

Field	Format	Acceptable Value	Business Rules	Comments
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Appendix B
LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	-	Conditionally required when ApplyingForSelf is "No"	Refer to this complex type in Appendix A
midEntryType ENDS				

5.7 Complex: MIDType

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

5.8 Complex Type: permitPublicationDataType

Field	Format	Acceptable Values	Business Rules	Comments
permitPublication DataType 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	-

Field	Format	Acceptable Values	Business Rules	Comments
Permit Type	permitTypeType simple type	-	Required	Refer to this simple type in Appendix B
Permit Zip4	Numeric String, 9	-	Required when providing Permit Number and Permit Zip 4 data	Refer to 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				
permitPublication DataType ENDS				

5.9 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 to this simple type in Appendix B
MailerID9	mailerID9Type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer to this simple type in Appendix B
CRID	CRIDType		Not required (attribute), Either CRID or MID can be provided for authorization	Refer to this simple type in Appendix B
SchedulerID	String, 12		Optional	

Field	Format	Acceptable Values	Business Rules	Comments
MaildatUserLicense	userLicenseCode Type simple type		Optional	Refer to this simple type in Appendix B
ShippingAgentID	String 12	-	Optional	-
ReceivingAgentID	String 12	-	Optional	-

5.10 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	

5.11 Complex Type: VerificationErrorType

Field	Format	Acceptable Value	Business Rules	Comments
Sequence Block BEGINS			Optional 0 to many allowed	
VerificationErrorCode	Numeric String 4		Required	
VerificationError Description	String 260		Optional	
Sequence Block ENDS				

6. Appendix B – Simple Types Data Structure

The simple types below list variation of validation from the previous Mail.XML version to the current.

6.1 simpleType: CRIDStatusType

Tag	Mail.XML 12.0A
Base	xs:string
enumeration	New
enumeration	Existing

6.2 simpleType: CRIDType

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	15
minLength	1
pattern	([0-9])*

6.3 simpleType: EnrollingForSelf

Tag	Mail.XML 12.0A
Base	mailxml_base:yesNo

6.4 simpleType: mailerID6Type

Tag	Mail.XML 12.0A
Base	mailxml_base:ns06

6.5 simpleType: mailerID9Type

Tag	Mail.XML 12.0A
Base	mailxml_base:ns09

6.6 simpleType: mIDStatusType

Tag	Mail.XML 12.0A
Base	xs:string
enumeration	New
enumeration	Existing

6.7 simpleType: ns04

Tag	Mail.XML 12.0A

Tag	Mail.XML 12.0A
Base	xs:string
pattern	[0-9]{4}

6.8 simpleType: ns05

Tag	Mail.XML 12.0A
Base	xs:string
pattern	[0-9]{5}

6.9 simpleType: ns09

Tag	Mail.XML 12.0A
Base	xs:string
pattern	[0-9]{9}

6.10 simpleType: permitTypeType

Tag	Mail.XML 12.0A
Base	xs:string
enumeration	PI
enumeration	MT
enumeration	PC
enumeration	BR
enumeration	PE
enumeration	GH
enumeration	OI
enumeration	OM
enumeration	PP
enumeration	-

6.11 simpleType: s12

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.12 simpleType: s40

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	40
minLength	1
whiteSpace	preserve

6.13 simpleType: s50

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	50
minLength	1
whiteSpace	preserve

6.14 simpleType: s64

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	64
minLength	1
whiteSpace	preserve

6.15 simpleType: s260

Tag	Mail.XML 12.0A
Base	xs:string
maxLength	260
minLength	1
whiteSpace	preserve

7.

8. Appendix C - WSDLs and XSDs

The WSDL specifications 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. Users should always use this link to access the correct and updated version of WSDLs in future.

8.1 PULL WSDL LINKS FOR TEM ENVIRONMENT

Customers must use one of the following URLs in the TEM environments for the WSDL services:

MESSAGE-TYPE WSDL URL Link(s)

The following link supports Mail.XML Modular Specification (9.0 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

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

8.2 PULL WSDL LINKS FOR PRODUCTION ENVIRONMENT

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

MESSAGE-TYPE WSDL URL Link(s)

The following link supports Mail.XML Modular Specification (9.0 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.

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

8.3 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:

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 12.0A.

For Mail.XML 12.0A and future versions – following WSDL name shall be used:

WSDL NAME for Data Distribution: DataDistributionPush.wsdl

WSDL NAME for Transportation: TransportationPush.wsdl

8.4 PUSH MESSAGES XSD NAME CHANGES INFORMATION

The USPS is implementing a new XSD name to support Mail.XML 12.0A Push subscription messages.

9. Change History Archive

These are the changes from Mail.XML 12.0A MID-CRID Version 6.0 to Mail.XML 12.0A MID-CRID Version 7.0

Date	Section	Title	Description
11/26/12	1.4	What is Mail.XML?	Update the Sec 1.4, top of page 13, first sentence of second paragraph Section 1.4 to break it into two shorter sentences.
11/26/12	1.5	Roadmap of Mail.XML	Marked the "new" versions shown in the table with a double asterisk for the release in which they are first implemented
11/26/12	1.9	January 2012 Release New Features	Added section 1.9 to outline the features first implemented in January 2012.
11/26/12	4.2	USPSMIDCreateResponse	Revised the TrackingID row in table to remove the word "again" from the Business Rules column to remove the redundancy in "requerying again"
11/26/12	7.0	Appendix C - WSDLs and XSDs	Added first an "s" to specification in the first sentence to make it plural

These are the changes from Mail.XML 12.0A MID-CRID Version 5.0 to Mail.XML 12.0A MID-CRID Version 6.0

Date	Section	Title	Description
10/30/12	1.5	Roadmap of Mail.XML	Updated the table to include theMail.XML versions supported in April 2013
10/30/12	1.8	PostalOne! WSDL Information	Updated paragraphs on consuming message-type and string-type WSDLs to reflect currently supported types. Updated paragraphs on consuming message-type and string-type WSDLs and fixed alignment the section on the left margin
10/30/12	3.4		Removed reference to non-supported version (10.0)
10/30/12	3.5	MID and CRID Error/Return Codes	Separated error code tables one for USPSCRIDCreateResponse and the second for USPSMIDCreateResponse Added captions to tables in the document Updated text above table to remove reference to non-supported version (8.10)
10/30/12	4.1		Indented the two paragraphs that go with SubmitterTrackingID to match the list's level of indentation so that it's clear that the information relates to that data element

These are the changes from Mail.XML 12.0A MID-CRID Version 4.0 to Mail.XML 12.0A MID-CRID Version 5.0

Date	Section	Title	Description

Date	Section	Title	Description
09/27/12	4.0	Data Structure and Business Rules for Mail.XML 12.0A Specification	Updated the business rule for LegalAcknowledgment as "Conditional; required when ApplyingForSelf is set to No"
09/27/12	All		Removed reference to Release 25 (outdated information)
09/27/12	All		Updated released number 9.X to 9.0 for precision throughout the document

These are the changes from Mail.XML 12.0A MID-CRID Version 3.0 to Mail.XML 12.0B MID-CRID Version 4.0

Date	Section	Title	Description
08/31/12	2.2.1	Preconditions	Edited precondition # 3

FROM

3. The requester will need one MID and a Business Customer Gateway account to send this request.

TO

3. The requester will need one CRID and a Business Customer Gateway account to send this request. |
| 08/31/12 | 4.3 | USPSCRIDCreateRequest | Indicated that Permit Publication Block is Optional |
| 08/31/12 | 4.3 | USPSCRIDCreateRequest | Updated the business rule of "LegalAcknowledgementBlock"

FROM

Optional

TO

Conditional; Required when ApplyingForSelf is "No" |
| 08/31/12 | All | | Throughout document:

updated versions and release dates to reflect current status

specified exact version numbers (i.e., replace 9.0X with the exact version number and letter 9.0)

Updated header rows in tables to repeat when tables span over multiple pages |

Date	Section	Title	Description
08/31/12	4.3	USPSMIDCreateRequest	Updated the Prerequisites of USPSMIDCreateRequest FROM Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested): MID ApplyingForSelf TO Mailer passes in the following information at a minimum per MID requested (information must be repeated for each MID requested): CRID ApplyingForSelf
08/30/12	4.3	USPSCRIDCreateRequest	Updated the business rule of "LegalAcknowledgementBlock" FROM Optional TO Conditional; Required when ApplyingForSelf is "No"

These are the changes from Mail.XML 12.0A MID-CRID Version 2.2 to Mail.XML 12.0B MID-CRID Version 3.0

Date	Section	Title	Description
08/14/12	4.4	USPSCRIDCreateResponse	Updated SubmitterTrackingID to be a Required field
08/14/12	4.3	USPSCRIDCreateRequest	Updated SubmitterTrackingID to be a Required field
08/14/12	4.2	USPSMIDCreateResponse	Updated SubmitterTrackingID to be a Required field
08/14/12	4.1	USPSMIDCreateRequest	Updated SubmitterTrackingID to be a Required field
08/14/12	7.0	Appendix C	Updated versions and release dates to reflect current status
08/14/12	7.0	Appendix C	Removed String-type section as well as the URL to Mail.XML 6.0 and 8.1 WSDLs

These are the changes from Mail.XML 12.0A MID-CRID Version 2.1 to Mail.XML 12.0B MID-CRID Version 2.2

Date	Section	Title	Description

Date	Section	Title	Description
08/08/12	1.5	Roadmap of Mail.XML	Removed IncentiveEnrollmentCreateRequest IncentiveEnrollmentCreateResponse from Table 2 because these two messages are no longer supported
08/08/12	2.0	MID and CRID Application Process	Updated the section including Note 1 and Note 2

These are the changes from Mail.XML 12.0A MID-CRID Version 2.0 to Mail.XML 12.0B MID-CRID Version 2.1

Date	Section	Title	Description
07/30/12	4.6	IncentiveEnrollmentCreateResponse	Removed this message because it is no longer supported for the MID-CRID functionality
07/30/12	4.5	IncentiveEnrollmentCreateRequest	Removed this message because it is no longer supported for the MID-CRID functionality

These are the changes from Mail.XML 12.0A MID-CRID Version 1.4 to Mail.XML 12.0A MID-CRID Version 2.0

Date	Section	Title	Description
07/02/12	All		Updated formatting and content

These are the changes from Mail.XML 12.0A MID-CRID Version 1.3 to Mail.XML 12.0A MID-CRID Version 1.4

Date	Section	Title	Description
06/12/12	All		Updated cover and version numbering for July 6 and 9 Publications for RIBBS

These are the changes from Mail.XML 12.0A MID-CRID Version 1.2 to Mail.XML 12.0A MID-CRID Version 1.3

Date	Section	Title	Description
5/22/12	4.6	ted .0A MID-CRID Version 1.2tion; the USPS is not ready to support it until IncentiveEnrollmentCreateResponse	Deleted the content of ted .0A MID-CRID Version 1.2tion; the USPS is not ready to support it until further IncentiveEnrollmentCreateResponse because this message is currently not supported
5/22/12	4.5	IncentiveEnrollmentCreateRequest	Deleted the content of IncentiveEnrollmentCreateRequest because this message is currently not supported

Date	Section	Title	Description
5/22/12	5.3	IncentiveEnrollmentEntryType	Deleted Complex Type: IncentiveEnrollmentEntryType

These are the changes from Mail.XML 12.0A MID-CRID Version 1.1 to Mail.XML 12.0A MID-CRID Version 1.2

Date	Section	Title	Description
5/15/12	All		Removed watermark and updated the document cover and footer for May 18 Initial Publication for RIBBS for October 2012 Release

These are the changes from Mail.XML 12.0A MID-CRID Version 1.0 to Mail.XML 12.0A MID-CRID Version 1.1

Date	Section	Title	Description
5/4/12	All		Updated cover and version numbering for May 18 Initial Publication for RIBBS for October 2012 Release
05/04/12	4.5	IncentiveEnrollmentCreateRequest	Removed " mail owners" and replace "mail preparers" with "mail service providers" in the purpose of the message.

These are the changes from Mail.XML 12.X MID-CRID Version 3.0 to Mail.XML 12.0A MID-CRID Version 1.0

Date	Section	Title	Description
04/18/12	All		Included a captions to all tables in the document
04/16/12	All		Replace Mail.XML 12.X with Mail.XML 12.0A throughout the document given that 12.0A is the version scheduled to be supported for Release 10 – June 2012

These are the changes from Mail.XML 12.X MID-CRID Version 2.1 to Mail.XML 12.X MID-CRID Version 3.0

Date	Section	Title	Description
04/09/12	All		Updated cover and version numbering for April 10 Final Publication for RIBBS
04/09/12	All		Removed the DRAFT watermark seal

These are the changes from Mail.XML 12.X MID-CRID Version 2.0 to Mail.XML 12.X MID-CRID Version 2.1

Dates	Section	Title	Description
03/13/12	2.1.3	USPS CRID Create Request Overview	Updated the table of USPS CRID Create Request by removing the shading in the rows
03/13/12	2.2.3	USPS MID Create Request Overview	Updated the table of USPS MID Create Request by removing the shading in the rows
03/13/12	4.1, 4.3, 4.5	USPSCRIDCreateRequest, USPSMIDCreateRequest, IncentiveEnrollmentCreateRequest	Added new business rules for SubmitterTracking and MSPIndicator
03/13/12	4.2	USPSMIDCreateResponse	Added a new sequence block including the fields MIDentry and RelatedPermitPublicationData
03/13/12	4.4	USPSCRIDCreateResponse	Added a new sequence block including the fields CRIDentry and RelatedPermitPublicationData
03/13/12	5.0	Appendix A – Mail.XML 12.X Complex and Attribute Groups Definitions	Reorganize the list of complex types in alphabetical order

Dates	Section	Title	Description
03/13/12	5.3		Updated the type of the field LegalAcknowledgement Block inside IncentiveEnrollmentEntr yType
			From: mailxml_id:legalAcknow ledgementBlockMIDTyp e
			To: mailxml_id:legalAcknow ledgementBlockMSPST ype
03/13/12	5.6	LegalAknowledgmentBl ockMSPSType	Added a new complex type LegalAknowledgmentBl ockMSPSType
03/13/12	All		Removed the watermark seal

These are the changes from Mail.XML 12.X MID-CRID Version 1.1.0 posted on RIBBS (January 9, 2012) to Mail.XML 12.X MID-CRID Version 2.0 (*Note: The final Mail.XML version will be confirmed by the USPS after design is completed*).

Dates	Section	Title	Description
03/02/12			Added a new disclaimer on the second page of the document
03/02/12	4.1-4.6		Added SubmitterTrackingID as a new field within tables:
			Sec 4.1 – between SubmittingSoftware and MIDEntry
			Sec 4.2 – following TrackingID
			Sec 4.3 – between SubmittingSoftware and CRIDEntry
			Sec 4.4 – following TrackingID
			Sec 4.5 – following SubmittingSoftware
			Sec 4.6 – following TrackingID
03/02/12	4.2	USPSMIDCreateResponse	Modified text in Comments column for SubmittingParty row as follows:
			SubmittingParty attributes not required by XSD, but CRID attribute in SubmittingParty is required by application to validate the user

Dates	Section	Title	Description
03/02/12	4.2	USPSMIDCreateResponse	Added the following comment to Submitting party "SubmittingParty attributes not required by XSD, but CRID attribute in SubmittingParty is required by application to validate the user" in the table of field description
03/02/12	4.4	USPSCRIDCReateResponse	Corrected the business rule of ReturnInfo from Optional to Required in the Reject block
02/23/12	4.5	USPSCRIDCreateResponse	Added a new field RelatedPermitPublication paired with CRIDEntryType
02/23/12	4.3	USPSMIDCreateResponse	Added a new field RelatedPermitPublication paired with MIDEntryType

These are the changes from Mail.XML 12.X MID-CRID Version 1.0.0 posted on RIBBS (December 23, 2011) to Mail.XML 12.X MID-CRID Version 1.1.0. (*Note: The final Mail.XML version will be confirmed by the USPS after design is completed*).

Dates	Section	Title	Description
01/03/12	All		Update Footer and Cover page with correct version number and revision date Added USPS Foreword on 2nd page to describe scope of Change request (CRs) included for Jan 9, 2012 publication
12/28/11	6.0	Appendix B- Simple Types Data Structure	Updated the text about the yellow highlight marking changes of data structures from the previous Mail.XML version
12/28/11	3.0	MID and CRID Mail.XML Messages Overview	Update Return info to be Optional in Accept block and Required in Reject block across all Response messages
12/28/11	All		Corrected: "Refer this complex type in Appendix B" with "Refer to this simple type in Appendix A"
12/28/11	All		Corrected: "Refer this simple type in Appendix C" with "Refer to this simple type in Appendix B"
12/28/11	1.4	What is Mail.XML?	Updated the Mail.XML version and release date
12/28/11	1.7	Environments Supported by USPS	Updated the text of the Environments Supported by USPS section
12/28/11	1.5	Roadmap of Mail.XML	Updated the table of Mail.XML supported versions per release date
12/28/11	1.3	Intended Audience	Updated Purpose section text
12/28/11	1.2	Purpose	Updated the text of the Purpose section

Dates	Section	Title	Description
12/28/11	1.1	Overview	Updated the text of the Overview section
12/28/11	5.3	LegalAknowledgmentBlockMIDType	Updated the text of the LegalAcknowledgmentblock Complex Type
12/28/11	5.2	LegalAknowledgmentBlockCRIDType	Updated the text of the Legal Acknowledgment block
12/26/11	1.5	Table 1-1: Profiles Management Messages List By Mail.XML Versions	Updated Profiles Management Messages List By Mail.XML Versions to include Mail.XML 12.X
12/26/11	All	Header & Footer	Updated header and footer

Following are the changes from Mail.XML 11.0D MID-CRID Version 1.6.6 to Mail.XML 12.X MID-CRID Version 1.0.0

Date	Section	Title	Description
12/12/11	4.5	IncentiveEnrollmentCreateRequest	Added IncentiveEnrollmentCreateRequest message business rules and data structure table.
12/12/11	4.6	IncentiveEnrollmentCreateResponse	Added IncentiveEnrollmentCreateResponse message business rules and data structure table.
12/12/11	5.11	IncentiveEnrollmentEntryType	Added IncentiveEnrollmentEntryType Complex type and data structure table.
12/12/11	All	TrackingID	Changed the length of TrackingID from s12 to s20 throughout the document.
12/16/11	3.1	Overview	Updated the Profile Management Messages Supported in Mail.XML 12.X table to include IncentiveEnrollmentCreateResponse and IncentiveEnrollmentCreateRequest messages
12/16/11	6.3	EnrollingForSelf	Added SimpleType:EnrollingForSelf of type yesNo

Following are the changes from Version 1.6.5 to Version 1.6.6

Date	Section	Title	Description
10/31/2011	All		Replaced Mail.XML 11.0B with Mail.XML 11.0D because 11.0D is the version planned to be implemented and supported for the January 2012 Release.

Following are the changes from Version 1.6.4 to Version 1.6.5

Date	Section	Title	Description
09/29/2011	All		Changed the number of CRID and MID requests to be sent at a time from fifty (50) for both to twenty (20) for CRID and two (2) for MID for more efficient processing of the request.
09/29/2011	2.0	MID and CRID Application Process	Added Note2: The MID and CRID systems are extremely slow. It is therefore recommended to send CRIDs and MIDs in groups of twenty (20) CRID or two (2) MID requests. If the systems are not able to process the request within ten (10) seconds, a fault response is returned to the user with a Tracking Id that the user can use to retrieve the response at a later time.
09/29/2011	All		Replace Mail.XML 11.0A by Mail.XML 11.0B since 11.0B is the version planned to be supported for January 2012 release

Following are the changes from Version 1.6.3 to Version 1.6.4

Date	Section	Title	Description
Wed Aug 16,2011Thu Aug 18, 2011	All	All	Updated the styles and format throughout the document
		Appendix B – Mail.XML 11.0B Complex and Attribute Groups Definitions	Updated the Legal Acknowledgement Block CRID Type with the complete legal statement Updated the Legal Acknowledgement Block MID Type with the complete legal statement Corrected references to other Complex and Simple Types
		MID and CRID Application Process	Updated the whole section with corrections and clarifications on processing CRID and MID requests in TEM vs. Production. Updated the Prerequisites and Process for both CRID and MID request sections.
		Postal Service Mail.XML	Updated the section to split the Overview into its own section. Updated the General XML information section.
		Data Structure and Business Rules for Mail.XML 11.0B Specification	Updated references to Complex Types; fixed the Appendix references. Reformatted the Prerequisites and Business Rules

Following are the changes from Version 1.6.2 to Version 1.6.3

Date	Section	Title	Description
Mon Aug 15,2011		Document Change History	Inserted a Document Change History section
	8.0	Appendix C – Simple Types Data Structure	Reduce the Simple Types to the ones only contained in MID/CRID Message and Complex Types

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