Mail.XML 12.0A Technical Specification

MID-CRID

September 12, 2014

Prepared by

United States Postal Service

Release Version Support

This document contains information pertaining to Mail.XML release version 12.0A and the following USPS *PostalOne!* Releases:

- Release 36 October 2013
- Release 37 January 2014
- Release 38 August 2014
- Release 39 November 2014

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 is it 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, IBM or Sun/Oracle for software development related help needs.

Trademarks

The following trademarks are owned by the United States Postal Service:

ACS™, CASS™, CASS Certified™, Certified Mail™, DMM®, FAST®, First-Class™, First-Class Mail®, Full-Service ACS™, IM®, IMb™, IMb Tracing™, Intelligent Mail®, OneCode ACS®, OneCode Solution®, PLANET Code®, *PostalOne!*®, POSTNET™, Postal Service™, Priority Mail®, Registered Mail™, RIBBS™, Standard Mail®, The Postal Service®, United States Postal Service®, USPS®, USPS.COM®, ZIP®, ZIP Code™, ZIP + 4® and ZIP+4™.

IDEAlliance and Mail.dat are registered trademarks of the International Digital Enterprise Alliance, Inc. (IDEAlliance).

Sun, Sun Microsystems, and Java are trademarks or registered trademarks of Sun Microsystems, Inc.

Microsoft, Microsoft Windows, and Microsoft Internet Explorer are registered trademarks of Microsoft Corporation.

All other trademarks used are the property of their respective owners.

TABLE OF CONTENTS

Table of Contents i

Document Change History iii

1. Postal Service Mail.XML 1

1.1 Overview 1

1.2 Purpose 1

1.3 Audience 1

1.4 Mail.XML 1

1.5 Roadmap of Mail.XML 1

1.6 General XML and Web Services Information 2

1.7 Environments Supported by USPS 2

1.8 *PostalOne!* WSDL Information 2

1.9 Profile Management 3

2. MID and CRID Application Process 5

2.1 Requesting CRIDs using Mail.XML Web Services 5

2.1.1 Preconditions: 5

2.1.2 Process 5

2.1.3 USPS CRID Create Request Overview 6

2.2 Requesting MIDs using Mail.XML Web Services 6

2.2.1 Preconditions: 6

2.2.2 Process 6

2.2.3 USPS MID Create Request (USPSMIDCreateRequest) 7

3. MID and CRID Mail.XML Messages Overview 8

3.1 Overview 8

3.2 Profile Management Messages Workflow 8

3.3 Exceptions 8

3.4 Fault Codes 8

3.5 MID and CRID Error/Return Codes 10

4. Data Structure and Business Rules for Mail.XML 12.0A Specification 12

4.1 USPSMIDCreateRequest 12

4.2 USPSMIDCreateResponse 13

4.3 USPSCRIDCreateRequest 15

4.4 USPSCRIDCreateResponse 17

5. Mail.XML 12.0A Complex and Attribute Groups Definitions 19

5.1 Complex Type: basicReturnInfo 19

5.2 Complex Type: CRIDEntryType 19

Copyright © 2014 USPS®. All Rights Reserved.

5.3 Complex Type: LegalAknowledgmentBlockCRIDType 19
5.4 Complex Type: LegalAknowledgmentBlockMIDType 24
5.5 Complex Type: LegalAknowledgmentBlockMSPSType 29
5.6 Complex Type: MIDEntryType 33
5.7 Complex Type: MIDType 34
5.8 Complex Type: permitPublicationDataType 34
5.9 Complex Type: SubmittingParty, participantIDType 35
5.10 Complex Type: SubmittingSoftware 35
5.11 Complex Type: VerificationErrorType 35

6. Simple Types Data Structure 36
6.1 simpleType: CRIDStatusType 36
6.2 simpleType: CRIDType 36
6.3 simpleType: EnrollingForSelf 36
6.4 simpleType: mailerID6Type 36
6.5 simpleType: mailerID9Type 36
6.6 simpleType: mIDStatusType 36
6.7 simpleType: ns04 36
6.8 simpleType: ns05 36
6.9 simpleType: ns09 36
6.10 simpleType: permitTypeType 37
6.11 simpleType: s12 37
6.12 simpleType: s40 37
6.13 simpleType: s50 37
6.14 simpleType: s64 37
6.15 simpleType: s260 37

7. WSDL Reference Information 38

8. Change History Archives 39

Index ..... A

Copyright © 2014 USPS®. All Rights Reserved.

DOCUMENT CHANGE HISTORY

The Change History Archive can be found in section 8.

These are the changes to Mail.XML MID-CRID-12.0A-R18 Edition 4 Change 0

Date	Section #	Title	Description
8/25/14	Various	N/A	Updated footer, cover page, road map to reflect Edition 4 publication date
8/27/14	1.4	Mail.XML	Updated hyperlink

Copyright © 2014 USPS®. All Rights Reserved.

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 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 provides an overview of the Mail.XML and also states the purpose of this document.
- Section 2.0 provides an overview of the Profile Management functionalities for MID and CRID application
- Section 3.0 provides an overview of MID and CRID Mail.XML messages
- Section 4.0: This section provides technical information (Data Structure and Business Rules) for all messages supported in 12.0A specifications

1.3 Audience

The 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 Mail.XML

Mail.XML™ is an XML-based IDEAlliance® (IDEAlliance Mail.XML) specification for web services supporting the Services Oriented Architecture (SOA) that is conversational in nature and platform independent. Web Services uses simple HTTP(s) protocol to communicate data over the Internet, thereby bypassing technology-specific restrictions and avoiding network-related security rules. Sound implementations of web services provide safe, secure, platform-independent, support near real-time communication, and increase the 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 (optional fields can be added or new messages without requiring 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, customers using Mail.dat can continue to use it as a database, but can 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 provides 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 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 with the ability 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. With this architecture, mailer's software manages the data transactions for query, create, update, and cancel business functions, as well as subscription models. Additionally, the mailer's 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

Table1-1 contains a roadmap of releases and corresponding versions of Mail.XML for Profiles Management.

Copyright © 2014 USPS®. All Rights Reserved.

October 2013 Release 36	January 2014 Release 37	August 2014 Release 38	November 2014 Release 39
Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A Mail.XML 16.0**	Mail.XML 12.0A Mail.XML 12.0B Mail.XML 14.0A Mail.XML 16.0

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

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

Note: *The version(s) flagged with a double asterisk (**) are new version(s) which are planned for implementation with the release date.*

Table 1-2 lists the 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
USPSMIDCreateRequest	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 XML Tutorial

XSD

An XSD is the XML Schema that describes the structure of an XML document. For general information on XSD please visit XML Schema Tutorial

Web Service

Web Services is a feature that converts software into an Internet-based software and publishes its functions/message to the users of the Internet. For general information on Web Services please visit:

Web Services Tutorial

WSDL Tutorial

SOAP Tutorial

1.7 Environments Supported by USPS

The USPS supports two environments for electronic file submissions, the Testing Environment for Mailers (TEM) and the Production environment.

TEM: 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, if appropriate, 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: Web Service Description Language (WSDL) Specification.

Copyright © 2014 USPS®. All Rights Reserved.

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 is defined as follows:

```
<wsdl:message name="DeliveryApptContentUpdateRequest">
    <wsdl:part name="authInfo" element="auth:AuthenticationInfo"/>
    <wsdl:part name="apptContentUpdate" element="tns:apptContentUpdate"/>
</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 Message-Type WSDL and the String-Type WSDL. The USPS only supports the Message-Type WSDL. The following paragraphs describe the Message-Type WSDL types.

Consuming Message-Type WSDLs

The Message-Type eliminates the need to manually register each service and Message-Type. With this method, a customer can use an automated tool that can set up 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 has transitioned to this type of Message WSDLs to remove manual editing and registering of messages.

The customer must use a message-type URL to consume the services. These URLs are provided in the WSDLs and XSDs section of this document.

1.9 Profile Management

Profile Management provides the following features:

- Implementation of the new USPS.com Style Sheet
- The ability to apply a Data Distribution Profile to multiple MIDs
- The ability to delegate editing or adding a Full Service Address Change Service (ACS) billing profile to another Customer Registration Identification (CRID)
- The ability to set the default available MID count to 2 instead of 1
- A Mailer ID Tool (external facing pages) that assumes the style sheet of the USPS.com look and feel from the Phoenix project.
    - The ability to delegate a CRID to have the ability to edit or add a Full Service ACS billing profile. In that scheme, all MIDs linked to the CRID have the same Full Service ACS billing profile.
    - The ability for external users to manage their Data Distribution profiles in bulk.

In addition, once users submit a new or updated Data Distribution profile for a given CRID, the MID system prompts the users if they would like to apply the same Data Distribution profile information to other MIDs in their 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 combination) 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:

Copyright © 2014 USPS®. All Rights Reserved.

- MID
- Customer Reference

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 verifying mailing volumes.

Impact Assessment

The implementation of these features has increased the number of MIDs deployed to the Production environment. These features tremendously improved the user experience of external mailers handling hundreds of MIDs, and editing MID Data Distribution has become a streamlined process.

Copyright © 2014 USPS®. All Rights Reserved.

2. MID and CRID Application Process

This section covers the steps for the creation of CRIDs and MIDs.

> ***Note:*** *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:*** *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 and mailers 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 indicate 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. When testing in the TEM environment, users should generate requests for CRIDs using test data. The CRIDs generated in the TEM environment are also transmitted to the Production environment. Company names that are made up and addresses that do not belong to that facility should be used as test data.

   > ***Note:*** *The addresses for the CRIDs are matched against the USPS Address Management System (AMS) Database; therefore, for the CRID request to work the addresses must be real addresses. When requesting CRIDs in the production environment, correct company names and correct corresponding addresses should be used.*

3. When testing in TEM environment, send test data for the CRID generation requests. The company names and addresses used for testing should be fictitious. However, the CRIDs generated in the TEM environment are also transmitted to the Production environment and the addresses are matched against the USPS Address Management System Database (AMS) system. Therefore, for the CRID request to work in the Production environment the addresses must be real addresses.

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

5. 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* indicates the request is for one's own organization, and *No* indicates the request is for one's partner. If *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 following sections.

2.1.2 Process

This section provides an overview of the CRID request process. For detailed technical specifications and to identify the exact data format and elements for the required fields, please review the sections "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 a verified form compatible with Mail.XML XSD.

3. It is highly recommended that the requester send 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

Copyright © 2014 USPS®. All Rights Reserved.

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. Table 2-1 contains a snapshot of this Mail.XML message; more details are listed in the following sections.

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 indicate 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. When testing in the TEM environment, users should generate requests for MIDs using test data. The MIDs generated in the TEM environment are also transmitted to the production environment. Company names that are made up and addresses that do not belong to that facility should be used as test data.
3. Note that the addresses for the MIDs are matched against the USPS Address Management System (AMS) Database; therefore, for the MID request to work the addresses must be real addresses. When requesting MIDs in the production environment, correct company names and correct corresponding addresses should be used.
4. The requester will need one MID and a Business Customer Gateway account to send this request.
5. 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” through the use of a Yes or No indicator. Yes indicates the request is for one’s own organization, and No indicates the request is for one’s partner. If 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 following sections.

2.2.2 Process

This section covers an overview of the MID request process. For detailed technical specifications and to identify the exact data format of 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.*

Copyright © 2014 USPS®. All Rights Reserved.

2. Convert the list into a verified form compatible with Mail.XML XSD.
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. Table 2-2 contains 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
	LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	Conditional; required if ApplyingForSelf is set to “No”

Table 2-2 USPS MID Create Request Overview

Copyright © 2014 USPS®. All Rights Reserved.

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.

Table 3-1 contains the list of messages supported in Mail.XML 12.0A Specification with the descriptions and details on each of these messages:

Message	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 *PostalOne!* 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 *PostalOne!* 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 follow a 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

Table 3-2 contains the 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

Table 3-3 contains 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	Action*	Messages	Severity
401	Incomplete/Cannot Parse	Please submit the request again with well-formed XML according to XSD.	Fault (All Mail.XML Messages)	Error
402	Not Well Formed XML	Please submit the request again with well-formed XML according	Fault (All Mail.XML Messages)	Error

Copyright © 2014 USPS®. All Rights Reserved.

Code	Description	Action*	Messages	Severity
		to XSD		
403	Request XML is invalid against the XSDs	Please submit the request again with well-formed XML according to XSD.	Fault (All Mail.XML Messages)	Error
412	Invalid user	Please submit the request again with a valid user.	Fault (All Mail.XML Messages)	Error
440	Sorry - MailXML version is not supported	Please submit the request again with MailXML version supported by PostalOne Data Distribution System.	Fault (All Mail.XML Messages)	Error
500	Mail.XML generic internal error	Please contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Error
501	MailXML request is missing 'SubmitterTrackingID' which is required for processing the Message	Please submit the request again with SubmitterTrackingID.	Fault (All Mail.XML Messages)	Error
502 [1]	Duplicate submitter ID. This Mail.XML request for Message #messageName# with SubmitterTrackingID #submitterTrackingID# was not processed by Mail.XML application because an identical request was received on #submitDate# and was assigned TrackingID of #trackingID#.	Please use the MRRR message with Tracking ID #trackingID# to retrieve.	Fault (All Mail.XML Messages)	Error
503	Not Implemented - MailXML message received is not supported	Please submit the request again with MailXML message supported by PostalOne Data Distribution System.	Fault (All Mail.XML Messages)	Error
505 [1]	Submitter tracking ID is too long	Please submit the request again with SubmitterTrackingID length not exceeding the length specified in the Tech Spec.	Fault (All Mail.XML Messages)	Error
1500	Invalid tracking ID	Please submit the request again with a valid Tracking ID.	Fault (All Mail.XML Messages)	Error
1502 [2]	Come Back Later	The response is not available at this time, Please try again later.	Fault (All Mail.XML Messages)	Warning
1502	Come Back Later	The response is not available at this time, Please try again later.	MessageResponseRetrievalResponse	Warning
1510	The TrackingID provided in the MessageResponseRetrievalResponse request was processed by Mail.XML application on #processedDate#. No response was received by Mail.XML from the target application.	Please submit the request again or contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Information
1600	MRRR version not matching original request version.	Please submit the MRRR request again using the same MailXML version that was used to submit the original request.	Fault (All Mail.XML Messages)	Error
5101 [3]	Unauthorized - Required SubmittingParty information is empty or missing.	Please submit the request again with valid SubmittingParty block.	Fault (All Mail.XML Messages)	Error
5102 [3]	Unauthorized - User does not have access to specified SubmittingParty.	Please submit the request again with valid SubmittingParty block or contact PostalOne! Help	Fault (All Mail.XML Messages)	Error

Copyright © 2014 USPS®. All Rights Reserved.

Code	Description	Action*	Messages	Severity
		Desk.		
5103 [3]	Unauthorized - User does not have access to 'Manage Mailing Activity' service.	Please contact PostalOne! Help Desk.	Fault (All Mail.XML Messages)	Error

[1] Error code 501 was used for any Submitter Tracking ID error. In Release 37, Error Codes 502 and 505 are used to enable distinction between Submitter tracking ID errors.

[2] Error Code 500 was used for any generic error and Come Back Later faults. In Release 37, Error Code 1502 is used for any Come Back Later message for consistency.

[3] Error Code 412 was used for any User Error. In Release 37, Error Codes 5101, 5102 and 5103 are used to enable distinction between user errors.

* Action tags are only available for Mail.XML specs 14.0A and above.

Table 3-3 Fault Codes

3.5 MID and CRID Error/Return Codes

Tables 3-4 and 3-5 contain the lists 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
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
015	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
5007	FULLSERVICE-EDOC: Internal System error 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

Copyright © 2014 USPS®. All Rights Reserved.

Code	Description	Messages
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 MailXml specification	USPSMIDCreateResponse
5016	FULLSERVICE-EDOC: The specified 'CustomerCRID' could not be found	USPSMIDCreateResponse
5021	FULLSERVICE-EDOC: CustomerCRID is required in the MIDEntry block for the MID Create process.	USPSMIDCreateResponse
5022	FULLSERVICE-EDOC: CustomerCRID or MID is required in the MIDEntry block for the MID Query process.	USPSMIDCreateResponse
5023	FULLSERVICE-EDOC: Both CustomerCRID and MID cannot be present in the MIDEntry block for the MID Query process.	USPSMIDCreateResponse
5024	FULLSERVICE-EDOC: All MIDEntry blocks must have CustomerCRID specified or all MIDEntry blocks must have MID specified for the MID Query process. Switching from CustomerCRID to MID is not allowed between MIDEntry blocks.	USPSMIDCreateResponse
5025	FULLSERVICE-EDOC: CustomerCRID and MID are required in the MIDEntry block for the MID Validate process.	USPSMIDCreateResponse
5026	FULLSERVICE-EDOC: <text message TBD for placeholder CRID validation>	USPSMIDCreateResponse

Table 3-5 MID Error/Return Codes

Copyright © 2014 USPS®. All Rights Reserved.

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

Mail.XML 12.0A

The following section identifies 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):
  - CRID
  - ApplyingForSelf
- The *PostalOne!* system 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

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 RequestReceived to check if the message has already been processed in the last 45 days. If the message was already processed then the *PostalOne!* system 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)

Copyright © 2014 USPS®. All Rights Reserved.

- 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:
  - UnderstandLegalLiabilityForApplyingForSomeOneElse
  - AcknowledgementNotifyingTheMailOwner
  - 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 SubmittingParty is required by application to validate the user Refer to this complex type in Section 5
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Section 5
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
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 Section 6
CustomerName	String		Optional	
PermitPublicationData	permitPublicationDataType complex type	-	Optional	Refer to this complex type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
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 Section 6
LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	-	Conditionally required when ApplyingForSelf is "No"	Refer to this complex type in Section 5
midEntryType ENDS				
USPSMIDCreateRequest ENDS				

4.2 USPSMIDCreateResponse

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

Copyright © 2014 USPS®. All Rights Reserved.

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
- The *PostalOne!* system 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

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 Section 6
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 Section 5
MIDStatus	mIDStatus Type simple type	-	Required	Refer to this simple type in Section 6
MIDEntry	midEntryType	-	Required	Refer to this complex

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
	complex type			type in Section 5
ReturnInfo	basicReturnInfo complex type		Optional	Refer to this complex type in Section 5
Sequence Block BEGINS				
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Section 5
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Section 5
Sequence Block ENDS				
USPSMIDCreateAccept Block ENDS				
USPSMIDCreateReject Block BEGINS				
MIDEntry	midEntryType complex type	-	Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type	-	Required	Refer to this complex type in Section 5
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
- The *PostalOne!* system 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 RequestReceived to

Copyright © 2014 USPS®. All Rights Reserved.

check if the message has already been processed in the last 45 days. If the message was already processed then the *PostalOne!* system 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:
  - Permit Number and PermitZip4 OR
  - 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.
  - Address 1
  - City
  - State
  - 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
  - UnderstandLegalLiabilityForApplyingForSomeOneElse. The accepted values are 'Yes' or 'No'.
  - AcknowledgeNotifyingTheMailOwner. The accepted values are 'Yes' or 'No'
  - 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 SubmittingParty is required by application to validate the user Refer to this complex type in Section 5
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Section 5
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
CRIDEntry	CRIDEntryType complex type	-	Required 1 to many allowed	See below details for CRIDEntryType
CRIDEntryType BEGINS				
CompanyName	String 40		Required	-
PermitPublicationDat	permitPublicationData	-	Optional	Refer to this complex

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
a	Type complex type			type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address	addressType complex type	-	Required	Refer to this complex type in Section 5
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Section 6
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgementBlock	legalAcknowledgementBlockCRIDtype complex type	-	Conditionally required when ApplyingForSelf is “No”	Refer to this complex type in Section 5
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
- The *PostalOne!* system 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
  - 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
- 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

Field Description

Field	Format	Acceptable Value	Business Rules	Comments
USPSCRIDCreateResponse BEGINS				
TrackingID	String 20	-	Optional Allows the user to	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			retrieve the data without requerying it.	
SubmitterTrackingID	String 20		Required	Refer to this simple type in Section 6
Choice Block BEGINS			Required 1 too many allowed. Either QueryResults or QueryError block is returned	
USPSCRIDCreateAccept BEGINS			Required	
CRID	CRIDType	-	Required	Refer to this simple type in Section 6
CRIDStatus	cRIDStatusType simple type	-	Required	Refer to this simple type in Section 6
CRIDEntry	cridEntryType complex type	-	Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type	-	Optional	Refer to this complex type in Section 5
Sequence Block BEGINS				
CRIDEntry	cridEntryType complex type	-	Required	Refer to this complex type in Section 5
RelatedPermitPublicationData	mailxml_defs:permitPublicationDataType		Optional	Refer to this complex type in Section 5
Sequence Block ENDS				
USPSCRIDCreateAccept Block ENDS				
USPSCRIDCreateReject Block BEGINS				
CRIDEntry	cridEntryType complex type		Required	Refer to this complex type in Section 5
ReturnInfo	basicReturnInfo complex type		Required	Refer to this complex type in Section 5
USPSCRIDCreateReject Block ENDS				
USPSCRIDCreateResponse ENDS				

Copyright © 2014 USPS®. All Rights Reserved.

5. 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 Section 5
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 Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
Address	addressType complex type	-	Required	Refer to this complex type in Section 5
AddressMatch	yesNo simple type	-	Required	Refer to this simple type in Section 6
ApplyingForSelf	yesNo simple type	-	Required	Refer to this simple type in Section 6
LegalAcknowledgementBlock	legalAcknowledgementBlockCRIDtype complex type	-	Conditional; required when ApplyingForSelf is set to “No”	Refer this complex type in Section 5
CRIDEntryType BEGINS				

5.3 Complex Type: LegalAknowledgmentBlockCRIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgementBlockCRIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeOneElse	yesNo simple type	-	Required	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	String		Required This Declaration pertains to the Mail Service Provider service that allows authorized Mail Service Providers to register with the	-

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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) 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			Service through the Business Customer Gateway. - d. By/For reflects the relationship 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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			policies, participation and 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.	
LegalAcknowledgementBlockCRIDType ENDS				

5.4 Complex Type: LegalAknowledgmentBlockMIDType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgementBlockMIDType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeOneElse	yesNo simple type	-	Required	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	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	-

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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) 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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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 System (eVS) Mailers	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			Service (or their agent). - r.	
LegalAcknowledgementBlockMIDType ENDS				

5.5 Complex Type: LegalAknowledgmentBlockMSPSType

Field	Format	Acceptable Value	Business Rules	Comments
LegalAcknowledgementBlockMSPSType BEGINS				
UnderstandLegalLiabilityForApplyingForSomeOneElse	yesNo simple type	-	Required Default = No	Refer to this simple type in Section 6
AcknowledgeNotifyingTheMailOwner	yesNo simple type	-	Required	Refer to this simple type in Section 6
USPSLegalAgreement	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: 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	-

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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 numbers	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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	

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
			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 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.	
LegalAcknowledgementBlockMSPSType ENDS				

5.6 Complex Type: MIDEntryType

Field	Format	Acceptable Value	Business Rules	Comments
midEntryType BEGINS				
CustomerCRID	CRIDType simple type	-	Required	Refer to this simple type in Section 6
CustomerName	String		Optional	
PermitPublicationDat	permitPublicationData	-	Optional	Refer to this complex

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Value	Business Rules	Comments
a	Type complex type			type in Section 5
CompanyHQIndicator	yesNo simple type	-	Optional	Refer to this simple type in Section 6
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 Section 6
LegalAcknowledgment Block	legalAcknowledgementBlockMIDType complex type	-	Conditionally required when ApplyingForSelf is “No”	Refer to this complex type in Section 5
midEntryType ENDS				

5.7 Complex Type: MIDType

Field	Format	Acceptable Value	Business Rules	Comments
MIDType BEGINS				
MID6	mailerID6Type simple type		Required	Refer to this simple type in Section 6
OR				
MID9	mailerID9Type simple type		Required	Refer to this simple type in Section 6
MIDType ENDS				

5.8 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 to this simple type in Section 6
Permit Zip4	Numeric String, 9	-	Required when providing Permit Number and Permit Zip 4 data	Refer to this simple type in Section 6
Sequence Block ENDS				
Publication Number	String, 8	-	Either provide Permit Number, Permit Type 4 and optional Permit Type OR this field.	-

Copyright © 2014 USPS®. All Rights Reserved.

Field	Format	Acceptable Values	Business Rules	Comments
Choice Block ENDS				
permitPublicationData Type 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 Section 6
MailerID9	mailerID9Type		Not required (attribute) Either MailerID6 or MailerID9 can be provided, not both	Refer to this simple type in Section 6
CRID	CRIDType		Not required (attribute), Either CRID or MID can be provided for authorization	Refer to this simple type in Section 6
SchedulerID	String, 12		Optional	
MaildatUserLicense	userLicenseCodeTyp e simple type		Optional	Refer to this simple type in Section 6
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				

Copyright © 2014 USPS®. All Rights Reserved.

6. Simple Types Data Structure

6.1 simpleType: CRIDStatusType

Tag	CRIDStatusType
Base	xs:string
enumeration	New
enumeration	Existing

6.2 simpleType: CRIDType

Tag	CRIDType
Base	xs:string
maxLength	15
minLength	1
pattern	([0-9])*

6.3 simpleType: EnrollingForSelf

Tag	EnrollingForSelf
Base	mailxml_base:yesNo

6.4 simpleType: mailerID6Type

Tag	mailerID6Type
Base	mailxml_base:ns06

6.5 simpleType: mailerID9Type

Tag	mailerID9Type
Base	mailxml_base:ns09

6.6 simpleType: mIDStatusType

Tag	mIDStatusType
Base	xs:string
enumeration	New
enumeration	Existing

6.7 simpleType: ns04

Tag	ns04
Base	xs:string
pattern	[0-9]{4}

6.8 simpleType: ns05

Tag	ns05
Base	xs:string
pattern	[0-9]{5}

6.9 simpleType: ns09

Tag	ns09
Base	xs:string
pattern	[0-9]{9}

Copyright © 2014 USPS®. All Rights Reserved.

6.10 simpleType: permitTypeType

Tag	permitTypeType
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	s12
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.12 simpleType: s40

Tag	s40
Base	xs:string
maxLength	40
minLength	1
whiteSpace	preserve

6.13 simpleType: s50

Tag	s50
Base	xs:string
maxLength	50
minLength	1
whiteSpace	preserve

6.14 simpleType: s64

Tag	s64
Base	xs:string
maxLength	64
minLength	1
whiteSpace	preserve

6.15 simpleType: s260

Tag	s260
Base	xs:string
maxLength	260
minLength	1
whiteSpace	preserve

Copyright © 2014 USPS®. All Rights Reserved.

7. WSDL Reference Information

Note: *USPS no longer supports string-type WSDLs.*

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

The preceding RIBBS® URL provides WSDLs for both TEM and Production environments. Use this link to access the most current versions of the WSDLs.

Copyright © 2014 USPS®. All Rights Reserved.

8. Change History Archives

These are the changes to Mail.XML MID-CRID-12.0A-R18 Edition 2 Change 1

Date	Section #	Title	Description
7/30/14	Various	N/A	Updated footer, cover page, road map to reflect Edition 2 publication date of August 1 and release deployment date of November 2014.

These are the changes to Mail.XML MID-CRID-12.0A-R18 Edition 2 Change 0

Date	Section #	Title	Description
6/25/14	Various	N/A	Updated TOC, footer, cover page

These are the changes to Mail.XML MID-CRID-12.0A-R18 Edition 1 Change 1

Date	Section #	Title	Description
5/21/14	Various	N/A	Updated for release date change from July to August 2014

These are the changes to MID-CRID-12.0A-R18 Edition 1 Change 0

Date	Section #	Title	Description
5/14/14	Various	N/A	Updated cover page, Table of Contents, footer
5/14/14	1.5	Roadmap of Mail.XML	Added column for October 2014 release

These are the changes to MID-CRID-12.0A-R17 Edition 2 Change 2

Date	Section #	Title	Description
2/26/14	1.9	Profile Management	Modified wording to remove references to “unassociated” Full Service ACS profiles

These are the changes to MID-CRID-12.0A-R17 Edition 2 Change 1

Date	Section #	Title	Description
2/25/14	Intro page	N/A	Removed April 2013 from release version support list
2/25/14	1.5	Roadmap of Mail.XML	Removed column for April 2013
2/25/14	7	WSDL Reference Information	Renamed section to remove reference to XSD

These are the changes to MID-CRID-12.0A-R17 Edition 2 Change 0

Date	Section	Title	Description
2/18/14	3.4	Fault Codes	Replaced fault code table with updated codes (Table 3-3)
2/18/14	Cover page, footer, Table of Contents, Index	N/A	Updated date, edition Updated Table of Contents & Index after section modifications

These are the changes to MID-CRID-12.0A-R17 Edition 1 Change 2

Date	Section	Title	Description
1/16/14	N/A	Intro page	Corrected ACS designation from ® to ™

These are the changes to MID-CRID-12.0A-R17 Edition 1 Change 1

Copyright © 2014 USPS®. All Rights Reserved.

Date	Section	Title	Description
1/15/14	All	Entire document	Minor spelling / grammar corrections

These are the changes to MID-CRID-12.0A-R17 Edition 1 Change 0

Date	Section	Title	Description
1/2/14	Header, Footer	Entire Document	Updated publication date, copyright date, and edition number

These are the changes to MID-CRID-12.0A-R16 Edition 3 Change 0

Date	Section	Title	Description
11/5/13	Header, Footer	Entire Document	Updated publication date and edition number

These are the changes to MID-CRID-12.0A-R16 Edition 1 Change 0

Date	Section	Title	Description
07/16/2013	All	Entire Document	Derived from MID-CRID-12.0A-R15 Edition 2 Change 0

These are the changes to MID-CRID-12.0A-R15 Edition 2 Change 0

Date	Section	Title	Description
6/4/2013	All	Entire Document	Reformatted document with narrower margins and improved version tracking.
6/3/13	All	Entire Document	Grammatical and language edits.

These are the changes from Mail.XML 12.0A MID-CRID Version 9.0 to Mail.XML 12.0A MID-CRID Version 10.0

Date	Section #	Title	Description
3/20/13	Section 7	WSDL	Replaced WSDL information with RIBBS WSDL link
3/20/13	1.6	Hyperlinks	Made XML and XSD URL's hyperlinks
3/20/13	4.1,4.3	Verbiage	Updated wording of Legal Acknowledgment Block in 4.3 to the same as in 4.1 and added closing quotation mark
3/20/13	7	Section 7	Inserted Page Break
3/1/13	All	Header and Footer	Updated footer with correct version number and publication date

These are the changes from Mail.XML 12.0A MID-CRID Version 8.0 to Mail.XML 12.0A MID-CRID Version 9.0

Date	Section #	Title	Description
2/27/13	Throughout		Updated footer with correct version number and publication date
2/27/13	2.2.2	Process	Used consistent capitalization when repeating terms within a section (#3: production vs. Production)
2/27/13	4	Data Structure and Business Rules for Mail.XML 12.0A Specification	Used consistent capitalization when repeating terms within a section (all: optional vs. Optional)
2/27/13	3.2	Profile Management Messages Workflow	Fixed spacing
2/27/13	Throughout		Ensure proper usage of "the *PostalOne!* system
2/27/13	4.3	USPSCRIDCreateRequest	Removed colon at end of first bullet point (following "mailer") under "If not successful"
2/27/13	4.4	USPSCRIDCreateResponse	Removed colon at end of first bullet point (following "mailer") under "If not successful"
2/20/13	7	Section 7-WSDLs & XSDs	Update Appendix with relevant WSDL Identification Information
2/20/13	1.5	Roadmap table	Modify roadmap table to add appropriate row for July and identified relevant versions

Copyright © 2014 USPS®. All Rights Reserved.

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

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	Section 7 - 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
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

Copyright © 2014 USPS®. All Rights Reserved.

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
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	Section 7	Updated versions and release dates to reflect current status
08/14/12	7.0	Section 7	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
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

Copyright © 2014 USPS®. All Rights Reserved.

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	IncentiveEnrollmentCreateRequest	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
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

Copyright © 2014 USPS®. All Rights Reserved.

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	Section 5 – Mail.XML 12.X Complex and Attribute Groups Definitions	Reorganize the list of complex types in alphabetical order
03/13/12	5.3		Updated the type of the field LegalAcknowledgementBlock inside IncentiveEnrollmentEntryType From: mailxml_id:legalAcknowledgementBlockMIDType To: mailxml_id:legalAcknowledgementBlockMSPSType
03/13/12	5.6	LegalAknowledgmentBlockMSPSType	Added a new complex type LegalAknowledgmentBlockMSPSType
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
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

Copyright © 2014 USPS®. All Rights Reserved.

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	Section 6- 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 Section 6” with “Refer to this simple type in Section 5”
12/28/11	All		Corrected: “Refer this simple type in Section 7” with “Refer to this simple type in Section 6”
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
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

Copyright © 2014 USPS®. All Rights Reserved.

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
		Section 6 – 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
Mon Aug 15,201	8.0	Section 7 – Simple Types Data Structure	Reduce the Simple Types to the ones only contained in MID/CRID Message and Complex Types

Copyright © 2014 USPS®. All Rights Reserved.

INDEX

A

authorization 35

C

CRID 12, 14, 15, 17, 18, 35, 41

F

feedback 12, 14, 15, 17

M

Mail.XML 3, 8, 9, 10, 12, 19
Mailer ID 12, 15
MID 12, 13, 14, 17, 35, 41

P

Permit 12, 16, 34
PermitZip4 16
PostalOne! 12, 14, 15, 17

S

Sequence 13
SubmittingParty 9, 13, 16, 35
SubmittingSoftware 13, 16, 35

U

USPS 3, 13, 16, 17
USPSCRIDCreateRequest 15, 17
USPSCRIDCreateResponse 15, 17
USPSMIDCreateResponse 12, 13, 14

W

WSDL 3, 38

Copyright © 2014 USPS®. All Rights Reserved.