

***PostalOne! System***  
***Mail.XML***  
***Technical Guide***  
***For Full Service***

**Version 2.0**

Network Operations Management Systems Portfolio

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## 1.0 Full Service Mail.XML Technical Guide

### 1.1 Purpose

The IDEAlliance Mail.XML v 5.0 specifications currently scheduled for release in March 2009 will support Full Service electronic documentation functionality from single piece information; to range piece information; to nesting of pieces into handling units and handling units into containers; postage payment, qualification reports, electronic documentation management through transaction updates.

The IDEAlliance Mail.XML v5.0 Specification is made up of families of related messages that are sent between the Shippers, Consignees and third parties to communicate via web services and to accomplish/enhance many of the tasks that were previously managed through other interfaces and specifications such IDEAlliance Mail.dat specifications and web-based reports.

The purpose of this Technical Guide is to supplement the IDEAlliance Mail.XML (previously known as IDEAlliance® Mail.dat® Transportation Management (TM) Specification) and to provide the Mail.XML users with specific information regarding the USPS® implementation. USPS will support Mail.XML 5.0 as part of the Full Service Program currently scheduled for release by March 2009. This document serves as the collection of all specific rules, standards, accepted values, error messages, etc. regarding the USPS implementation. of the Mail.XML specification and will be updated as IDEAlliance introduces or upgrades Mail.XML Specifications.

This guide is divided into three sections; Section 2.0 provides technical information with regard to the Mail.XML 5.0 messages that support PostalOne! FAST Web Services interface and can largely be grouped as scheduling-related messages. The PostalOne! system and FAST will continue to support two versions of the Mail.XML specifications; namely Mail.XML 4.0 and Mail.XML 5.0 with the implementation of the Full Service program.

Section 3.0 discusses Mail.XML messages that support PostalOne! system- Mailer interaction in managing, updating and querying mail contents and to supplement the Mail.dat functionality such as container updates and co-palletization messages. The PostalOne! system will support the new and enhanced version of these messages as described in Mail.XML 5.0 by the release of the Full Service program.

Section 4.0 provides technical information with regard to Mail.XML 5.0 messages that were introduced to replace the existing PostalOne! Wizard Web Services and to provide a robust and an enhanced interface for two way communication between USPS and the mailers community. The PostalOne! system will support the new and enhanced version of these messages as described in Mail.XML 5.0 by the release of the Full Service program.

This guide will be updated as additional information is communicated by IDEAlliance any with the release the final version of the Mail.XML 5.0 specification later this fall.

## 2.0 **PostalOne! – FAST Mail.XML Web Services**

### 2.1 **Overview**

The USPS requires appointment scheduling for drop shipped mail at USPS facilities for better resource planning and service performance. The USPS FAST (Facilities Access and Shipment Tracking) system is the business processing engine that provides appointment slots for mailers to drop ship their mail.

### 2.2 **Access to PostalOne!- FAST Web Services**

There are two ways to create, update, cancel, and manage appointment scheduling process and receive Closeout data within the FAST system and for both processes; a mail owner or mailing agent must request a user account within the PostalOne! system, which performs authentication and authorization services for the FAST system.

1. By going online to <http://fast.usps.com>, logging in with your username and password and choosing FAST functional GUIs to request an appointment at a facility at a certain date and time. This process is manual process requiring manual data entry. This online FAST process does not require the customer to provide content (container) detail information, such as IM Container barcode, weight, pieces, and many other characteristics due to the manual nature of the process.
2. By utilizing IDEAlliance Mail.XML (ex TM) Specification and PostalOne!/FAST Web Services, where the *PostalOne!* system works as the data exchange gateway for the appointment transactions and passes the appointment and container detail information, including IM Container barcode, class, shape, piece count, weight, zone skipping, mail owner information(By/For) and many other content characteristics to the FAST system and all messages to and from the customer pass through the *PostalOne!* system. The *PostalOne!* system system can also be leveraged in this usage scenario to pull existing content (container detail) information from customer's or customer's business partner's previously provided Mail.dat to the *PostalOne!* system. The customer can either send all the content details directly to FAST through the *PostalOne!*/FAST Web Services mechanism or can request the *PostalOne!* system to query and provide all or part of the content details to FAST through the *PostalOne!* FAST Web Services mechanism.

Full Service program requires the IDEAlliance Mail.XML (ex TM Spec) *PostalOne!*/FAST Web Services messages to create and/or update appointments within the FAST system. IM Full service option will not be available to customers who are ONLY using the FAST online option that does not require content details. The appointments may get created through the online process but they must be updated through the electronic method to receive full service discounts.

### 2.3 **PostalOne!-FAST Mail.XML Web Services- supported messages**

*PostalOne!*-FAST Mail.XML Web Services interface will continue to support two versions of the Mail.XML Specifications at a given time. *PostalOne!*-FAST Mail.XML web services will support Mail.XML v4.0 specifications and Mail.XML v5.0 specifications by the release of the Full Service program currently scheduled for March 2009

The sections below provide information about the subset of Mail.XML messages that will be supported by both the *PostalOne!* system and FAST in Mail.XML 4.0 and Mail.XML 5.0 specifications.

## Mail.XML™ 4.0 Specifications

### Messages Supported by the PostalOne! system and FAST in Mail.XML 4.0

The PostalOne!-FAST Mail.XML Web Services will support the following groups of messages in Mail.XML 4.0:

#### Delivery Appointment Messages

Delivery appointment messages will:

- Provide the ability to create, update, and cancel First-Class DMU/BMEU customer transported appointments
- Provide the ability to query the availability of slots (based on hours of operation) for First-Class DMU/BMEU customer transported appointments
- Provide the ability to distinguish eVS parcels and submit the associated eFile Number for which they were manifested
- Provide the ability to identify Verification Location
- Provide the ability to distinguish Priority Mail
- Provide the ability to support for new container types and handling units
- Provide the ability to support the sibling containers

#### Delivery Appointment Messages

DeliveryApptCreateRequest / DeliveryApptCreateResponse  
DeliveryApptUpdateRequest / DeliveryApptUpdateResponse  
DeliveryApptCancelRequest / DeliveryApptCancelResponse  
DeliveryApptQueryRequest / DeliveryApptQueryResponse

#### Delivery Content Messages

Delivery Content messages provide the:

- Ability to create, update, and cancel unassociated stand-alone content
- Ability to create, update, and cancel recurring sequence content information
- Ability to distinguish eVS parcels and submit the associated eFile Number for which they were manifested
- Ability to identify Verification Location
- Ability to distinguish Priority Mail
- Support for new container types and handling units
- Support for sibling containers
- Ability to query for content utilizing requestor and creator roles

#### Delivery Content Messages

DeliveryContentCreateRequest / DeliveryContentCreateResponse  
DeliveryContentUpdateRequest / DeliveryContentUpdateResponse  
DeliveryContentCancelRequest / DeliveryContentCancelResponse  
DeliveryContentQueryRequest / DeliveryContentQueryResponse

### Appointment Shell Messages

Appointment Shell messages will provide the ability to create, update, and recurring appointment sequences

#### Appointment Shell Messages

DeliveryApptShellRequest / DeliveryApptShellResponse

DeliveryApptShellUpdateRequest / DeliveryApptShellUpdateResponse

DeliveryApptShellCancelRequest / DeliveryApptShellCancelResponse

### Recurring Appointment Query Messages

Recurring Appointment query message will provide the

- Ability to query for active and pending drop ship recurring appointments
- Ability to query for active First-Class DMU/BMEU verified customer transported appointments

#### Recurring Appointment Query Messages

RecurringApptQueryRequest / RecurringApptQueryResponse

### Closeout Messages

Closeout Messages will provide the

- Ability to send closeout information for First-Class DMU/BMEU verified customer transported appointments
- Ability to communicate closeout irregularities
- Ability to communicate pallet counts
- Ability to communicate appointments excluded from rating
- Ability to communicate eVS sampling date/time, if available

#### Appointment Closeout Messages

ConsigneeGoodsReceipt

UnscheduledConsigneeGoodsReceipt

### Mail.dat Recurring Content Messages

Mail.dat Recurring content Messages will provide the

- Ability to update First-Class DMU/BMEU customer transported content on recurring appointments
- Ability to distinguish eVS parcels and submit the associated eFile Number for which they were manifested
- Ability to identify Verification Location
- Ability to distinguish Priority Mail
- Support for new container types and handling units
- Support for sibling containers

## **Mail.XML™ 5.0 Specifications**

IDEAlliance Mail.XML 5.0 introduced some major changes to the specifications including:

- Message sets for querying the status of containers was added.
- Each new message set will contain a block to identify the “Submitting Party” along with the software version they are using.
- Each new message set will contain a block to identify the software used to submit the request.
- Container Groups are added as an option to the Cast of Character’s messages
- Two new Cast of Character’s roles were added; Logistics Provider and Carrier
- More than 1 sibling barcode can be associated with a unique container barcode.
- New message set was added to support the query / creation of unique CRIDs
- New message set was added to support the query/ creation of unique MIDs
- The capability to dissociate content from an appointment (without canceling or deleting the content) was added.
- The capability to identify a container with a container bar code was added as an option.

## **Messages Supported by the *PostalOne!* system and FAST in Mail.XML 5.0**

### Delivery Query Messages

This family of TM messages supports scenarios where a Shipper queries for open appointments from which a delivery may be scheduled and the Consignee responds. Typically these messages precede messages that set a delivery appointment. These messages include:

- Open Appointment Query Request
- Appointment Query Response
- Delivery Appointment Query Request
- Delivery Appointment Response
- Recurring Appointment Query Request
- Recurring Appointment Query Response

### Delivery Appointment Messages

This family of TM messages supports scenarios where a Shipper requests a Delivery Appointment from the Consignee. The Consignee may respond a number of ways, all of which are supported by messages from this message family. These messages include:

- Delivery Appointment Request
- Delivery Appointment Response
- Delivery Appointment Transportation Update Request
- Delivery Appointment Transportation Update Response
- Delivery Appointment Update Request
- Delivery Appointment Multi-Stop Update Request
- Delivery Appointment Update Response
- Delivery Appointment Cancellation Request

- Delivery Appointment Cancellation Response
- Delivery Appointment Multiple Content Cancellation Request
- Delivery Appointment Multiple Content Cancellation Response
- Delivery Appointment Cancel Create Request
- Delivery Appointment Cancel Create Response
- Delivery Re-Appointment Request
- Delivery Appointment Content Remove Request
- Delivery Appointment Content Remove Response

#### Delivery Content Messages

This family of TM messages supports scenarios where the *PostalOne!* system sends content information to FAST without sending any appointment level information. The Consignee may respond a number of ways, all of which are supported by messages from this message family. These messages include:

- Delivery Content Create Request
- Delivery Content Create Response
- Delivery Content Update Request
- Delivery Content Update Response
- Delivery Content Cancellation Request
- Delivery Content Cancellation Response
- Delivery Multiple Content Cancellation Request
- Delivery Multiple Content Cancellation Response
- Delivery Content Query Request
- Delivery Content Query Response

#### Pickup Appointment Messages

This family of TM messages supports scenarios where a printer can request a shipper or a shipper can request a consignee to pick up mail containers from his/her plant. This process supports appointment creation and management for shipment pickups instead of drops. The Pickup Appointment messages include:

- Pickup Appointment Create Request
- Pickup Appointment Create Response
- Pickup Appointment Update Request
- Pickup Appointment Update Response
- Pickup Appointment Cancellation Request
- Pickup Appointment Cancellation Response

#### Sibling Container Messages

This family of TM messages allow communication about Sibling Containers to FAST where Sibling Containers do not have all the required data elements. The Sibling Container messages include:

- Sibling Container Create Request
- Sibling Container Create Response
- Sibling Container Cancellation Request
- Sibling Container Cancellation Response

#### Appointment Shell Messages

This family of TM messages supports scenarios to enable mailers with the ability to create appointment shells (appointment level information without content details) via Web Services. This will allow Web Services capable mailers to submit appointment level information via Web Services, while mail owners and mail preparers can separately create and associate their content. This is to account for joint scheduling between mail owners and mail preparers. The Appointment Shell messages include:

- Delivery Appointment Shell Request
- Delivery Appointment Shell Response
- Delivery Appointment Shell Update Request
- Delivery Appointment Shell Update Response
- Delivery Appointment Shell Cancellation Request
- Delivery Appointment Shell Cancellation Response

#### Appointment Status Messages

This series of messages is used to request a status. This message set includes:

- Delivery Appointment Status Request
- Delivery Appointment Status Response
- All Delivery Closeout Status Request
- All Delivery Closeout Status Response
- Container Acceptance Status Request
- Container Acceptance Status Response
- Container Status Query Request
- Container Status Query Response

#### Appointment Closeout Messages

This series of messages is pushed from the Consignee to the Shipper closeout an appointment. This message set includes:

- All Delivery Appointment Closeout Request
- All Pickup Appointment Closeout Request
- All Appointment Closeout Response
- Consignee Goods Receipt
- Unscheduled Consignee Goods Receipt
- Consignee Goods Receipt
- Goods Receipt Response

- Appointment Induction Closeout Request
- Appointment Induction Closeout Response

## 2.4 Additional Rules/Constraints

The following section outlines the specific rules and constraints for USPS implementation. For additional details regarding the calculations used for Appointment Rating, online supported functionality vs. Web Services supported functionality, etc., please refer to the *FAST User Guide*.

- A mailer must submit an appointment using the facility's local time (taking time zone and daylight savings into consideration) and FAST will respond using the same logic.
- The following outlines the list of possible values for Appointment Types, Mail Classes, Processing Categories, and PreSort Levels for the Delivery Appointment Query Request, Delivery Appointment Request and Delivery Appointment Update Request. Also included in the PreSort list is a breakdown of whether the content tied to that PreSort will be treated as Working or Cross Dock for volume availability calculations.

Appointment Type (apptTypeType)		
Code	Description	Supported?
1	Pallet	Yes
2	DropAndPick	Yes
3	Speedline	Yes
4	Bedload	Yes

Mail Class (mailClassType)		
Code	Description	Supported?
1	First-Class Mail	No
2	Periodicals	Yes
3	Standard Mail	Yes
4	Packaged Services	Yes
6	Standard/Periodicals Co-Mailings	No*

Processing Category (processingCategoryType)		
Code	Description	Supported?
LT	Letter	Yes
FL	Flat	Yes
CD	Card	Yes*
PF	Parcel, First-Class Mail	No
MP	Machineable Parcel	Yes
IR	Irregular Parcel	Yes
OS	Outside Parcel	Yes
CM	Custom Mail	No
NA	Not Flat-Machinable < 6oz	Yes
NB	Not Flat-Machinable >= 6oz	Yes
NP	Non Machinable Parcels	No

**NOTE:** Processing Category of "CD" ("Card") is translated to "LT" ("Letter") for volume availability.

PreSort Types (containerLevelType)			
Code	Description	Supported?	Type
A	CR-Direct	Yes	Cross Dock

<b>PreSort Types (containerLevelType)</b>			
<b>Code</b>	<b>Description</b>	<b>Supported?</b>	<b>Type</b>
B	Mixed CR in 5 Digit	Yes	Cross Dock
C	Mixed CR in 3 Digit	Yes	Working
D	CR – 5D Scheme	Yes	Cross Dock
E	DPC/3D Scheme	No	N/A
F	RDC/Scheme	No	N/A
G	5 Digit (Auto/Presort)	Yes	Working
H	5 Digit (Merged)	Yes	Working
I	5 Digit (Presort Only)	Yes	Working
J	5 Digit (Barcode Only)	Yes	Working
K	Metro Scheme	Yes	Working
L	Mixed RDC	No	N/A
M	5D Scheme (Presort)	Yes	Cross Dock
N	5D Scheme (Auto/Presort)	Yes	Cross Dock
P	5D Scheme (Barcode)	Yes	Cross Dock
Q	5D Scheme (Merged)	Yes	Cross Dock
R	3 Digit (Auto/Presort)	Yes	Working
S	3 Digit (Barcode)	Yes	Working
T	3 Digit (Presort)	Yes	Working
U	3 Digit (CR/Auto/Presort)	Yes	Working
V	3 Digit Scheme	Yes	Working
W	Unique 3 Digit	Yes	Working
X	SCF	Yes	Working
Y	Protected SCF	Yes	Working
Z	ADC	Yes	Working
AA	AADC	Yes	Working
AB	Mixed ADC	Yes	Working
AC	Mixed AADC	Yes	Working
AD	ASF	Yes	Working
AE	BMC	Yes	Working
AF	Protected BMC	Yes	Working
AG	Mixed BMC	Yes	Working
BA	Urban Direct	No	N/A
BB	Rural Direct	No	N/A
BC	Station	No	N/A
BD	City	No	N/A
BE	FSA	No	N/A
BF	DCF	No	N/A
BG	FCP	No	N/A
BH	Province	No	N/A
BI	Residual	No	N/A
BJ	Foreign	No	N/A
BK	Country	No	N/A
BL	Mixed Country	No	N/A
BM	M Bags	No	N/A

**NOTE:** The mailClassType, processingCategoryType, and containerLevelType fields are all contained in the USPS Summarization block. Each Delivery Appointment Query Request, Delivery Appointment Request, Delivery Appointment Update Request, Delivery Appointment Content Create Request and Delivery Appointment Content Update Request can contain more

than one USPS Summary block. If a single USPS Summary block within these messages contains an unsupported type for any of these fields, the entire message will be rejected. In addition, a Return Code/Description will be returned for each violation.

- Only the following fields will be populated with new data in the response messages. All other information will simply be populated based on what was originally sent in the request message.

#### Delivery Appointment Query Response

- All available appointment(s) are populated in a one to many Available Appt element in the ApptBlock block.
- ReturnInfo block containing CIN Warnings if any have occurred.
- If no Appointment matches are found, the ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Acceptance Response

- The ScheduledAppt element in the ApptBlock block is populated.
- The ConsigneeApptID in the ResponseMsgHeaderInfo block is populated.
- The ConsigneeMultiStopID in the ResponseMsgHeaderInfo block is populated if the Appointment is tied to a Multistop.
- ReturnInfo block containing CIN Warnings if any have occurred.

#### Delivery Appointment Rejection Response

ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Update Acceptance Response

- The ScheduledAppt element in the ApptBlock block is populated.
- ReturnInfo block containing CIN Warnings if any have occurred.

#### Delivery Appointment Update Rejection Response

ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Cancellation Response

The CancelConfirmID element if the Appointment was canceled successfully is populated. Otherwise, a ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Content Accept Response

- The ConsigneeContentID in the ContentUSPSSummaryUpdate block is populated.
- ReturnInfo block containing CIN Warnings if any have occurred.

#### Delivery Appointment Content Reject Response

The ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Content Cancel Response

- A CancelConfirmID is populated if the content is cancelled.

- If the content cannot be cancelled, the ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Shell Accept Response

- The PreferredAppt element in the ApptBlock block is populated with the actual appointment date/time of the Scheduled appointment.
- The OptionalAppt field is not returned in the response message.

#### Delivery Appointment Shell Reject Response

ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Appointment Shell Cancel Response

- A CancelConfirmID is populated if the appointment shell is cancelled.
- If the appointment cannot be cancelled, the ReturnInfo block containing one to many return code/description combinations is populated.

#### Delivery Content Query Response

- A USPSSummary block for each active content is populated.
- If no Appointment matches are found, the ReturnInfo block containing one to many return code/description combinations is populated.
- The IDEAlliance specification allows for an unlimited number of USPS Summary blocks to be supplied in the Detail Information block. However, the maximum number of USPS Summary blocks allowed in any given message is 100.
- The IDEAlliance spec allows a Pallets block within a given USPSSummary block to contain both Presort counts and non Presort counts. For the USPS implementation, all non Presort counts must be added together and summarized into a single Pallets block. For example:

The IDEAlliance spec allows for the following:

Pallets Block 1: pallet count = 17  
Presort 1: 5 digit, Count = 4  
Presort 2: 3 digit, Count = 7

The USPS implementation requires the pallets to be broken into two Pallets blocks:

Pallets Block 1: Count = 11  
Presort 1: 5 digit, Count = 4  
Presort 2: 3 digit, Count = 7  
Pallets Block 2: Count = 6; No presort records

**NOTE:** If the total presort counts do not equal the pallet block count for a pallet block, an error message will be returned.

- The IDEAlliance specification allows actual piece count to be provided for presort and non presort counts. FAST will only use the actual piece count for volume if it is provided for all presorts and non presorts for a given USPSSummary block.

FAST will use the Actual Piece count for the following USPSSummary block scenario:

Pallets Block 1: Count = 10  
Presort 1: 5 digit, Count = 5, Actual Piece Count = 100  
Presort 2: 3 digit, Count = 5, Actual Piece Count = 100

FAST will NOT use the Actual Piece count for the following USPSSummary block scenario:

Pallets Block 1: Count = 10

Presort 1: 5 digit, Count = 5, Actual Piece Count = 100

Presort 2: 3 digit, Count = 5, Actual Piece Count Not Provided

FAST will NOT use the Actual Piece count for the following USPSSummary block scenario:

Pallets Block 1: Count = 5, Actual Piece Count = 100

Pallets Block 2: Count = 5, Actual Piece Count Not Provided

- The IDEAlliance specification allows multiple UniqueContainerBarcode (UniqueContainerID for TM Spec Version 1.1) elements to be included in a single USPS Summary block. The USPS implementation will store all UniqueContainerBarcode elements and will validate for uniqueness. Uniqueness is validated based on a 90-day timeframe. UniqueContainerBarcodes associated to an appointment that was scheduled for 90 days in the past or for an appointment that has been cancelled or rejected are considered valid for re-use. If an appointment is no-showed, all associated UniqueContainerBarcodes are valid again after 120 hours.
- The IDEAlliance specification allows multiple OptionalAppt elements to be included in a single Appointment block. The USPS implementation will only use the first OptionalAppt element and others will be ignored. In addition, the OptionalAppt element will only be supported for the Delivery Appointment Query Request message.
- The FacilityNumber element on the Consignee Facility block is not required in the IDEAlliance specification. However, it is a required element for the USPS implementation because the mapping of Appointments to facilities is done via the FacilityNumber element. In addition, the IDEAlliance specification allows for multiple FacilityNumber elements. The USPS implementation uses the first FacilityNumber element and others are ignored. The Facility Number should be populated with the facility Locale Key (characters 2-7 of the drop site key)
- The VerificationZip4 element in the Mail.dat Summarization block is not required in the IDEAlliance specification. However, it is a required element for the USPS implementation when using the Mail.dat Summarization block because the VerificationZip4 element must be provided in order to retrieve the actual Mail.dat data.
- Before any message is sent that requires the *PostalOne!* system to populate information from Mail.dat data, the Shipper must ensure the Mail.dat data that corresponds to the Appointment is up to date in the *PostalOne!* system prior to sending a Web Services request.
- The Perishable element is a required field in the USPSSummary block. It does not exist in the Mail.dat. The *PostalOne!* system will set the Perishable element value to 'No' when the *PostalOne!* system populates an USPSSummary block with Mail.dat data.
- For the Customer Registration Process, the user belonging to a Shipper must identify and verify his/her company's correct corporate HQ location ZIP (e.g., 22202-6761-000). The *PostalOne!* system will generate a 12-byte field for that 9 digit Scheduler Corporate ZIP+4, e.g., 222026761000. The last three digits of a Scheduler Corporate ID will always be 000 (three zeros). This 'SchedulerCorporateID' will be provided by the *PostalOne!* system to all shippers via e-mail and it will be sent to the *PostalOne!* system with every Web Services transaction by the shipper. Each User must also be assigned a 'SchedulerID' by the *PostalOne!* system, which will be used to uniquely identify the scheduler entity. The 'SchedulerID' will be generated in the background and shown to the user on the screen.

The Scheduler ID will also be e-mailed to the user/Scheduler/Shipper, so Shipper can always ensure the correct 'SchedulerID' is always part of every Web Services message that is sent to USPS for identification purposes. The Scheduler entity can be an internal business role within a Shipper's organization and will be tied to the Shipper's corporate headquarters for FAST to rate the Shipper's corporation. The format of the Scheduler ID will be location ZIP+4 format plus three bytes (201486791001). A unique Scheduler ID will be generated in the ZIP+4 format with

appended sequence numbers (always three digits and these three digits will never be three zeros) and communicated to the user via e-mail each time for a given Scheduler entity.

For example, the *PostalOne!* system will use the following example format to identify Corp HQ and Scheduler Locations:

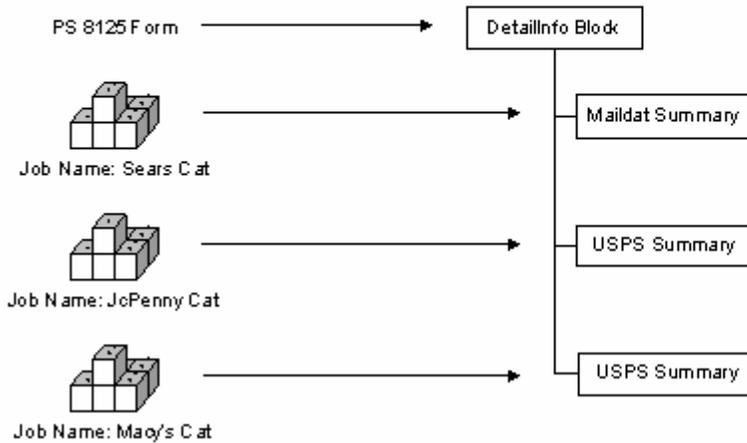
- 222021234000 - Corporate HQ (saved without the hyphen). Shipper MUST not use a hyphen (-) when sending the SchedulerCorpld to USPS). The first nine digits will be the Corporate HQ ZIP+4 and the last three digits will be sequence numbers and will always be three zeros (000).
- 222021234100 - SchedulerID or Scheduler Entity ID (business role) at a given Shipper location (saved without the hyphen). Shipper MUST not use a hyphen (-) when sending the SchedulerId to USPS. The last three digits will be sequence numbers and will never be three zeros.
- Do not send the same request repeatedly in succession if you did not receive an immediate response. Sending the message repeatedly with the same ShipperApptRequestID for a given SchedulerID will result in an error. If you received a Tracking ID from the *PostalOne!* system, in the first response, use that Tracking ID to retrieve your message.
- The DeliveryApptContent messages supported in TM Spec Version 2.0 can be used by Mail Owners and Mail Preparers to add/update/cancel content for an existing appointment. Schedulers should continue using the DeliveryApptRequest, DeliveryApptUpdateRequest and DeliveryApptCancelRequest messages to create/update/cancel appointments and associated content.
- The DeliveryApptContentCreateRequest, DeliveryApptContentUpdateRequest and DeliveryApptContentCancelRequest messages may only be used to add/update/cancel content for an appointment that was created or fully updated via Web Services. In addition, the DeliveryApptContentUpdateRequest and DeliveryApptContentCancelRequest messages may only be used to update/cancel content that was created using the DeliveryApptContentCreateRequest message.
- The DeliveryApptShellUpdateRequest may be used to update appointment-level detail for an appointment with associated content, however, it may not be used to update the Facility of an appointment if the appointment has associated content. The DeliveryApptShellUpdateRequest may only be used to update the facility for an appointment with no associated content.
- The DeliveryApptShellCancelRequest may only be used to cancel Appointment Shells that have no associated content. The DeliveryApptCancelRequest should be used for any appointments that have associated content.
- An appointment created using TM Spec Version 1.1 may be updated using TM Spec Version 2.0. An appointment created using TM Spec Version 2.0 may not be updated using TM Spec Version 1.1.
- The IDEAlliance specification allows multiple AdvanceMailingID elements to be included in a single USPSSummary block. FAST will only use the first AdvanceMailingID element and others will be ignored.
- The DetailInfo block is required in the DeliveryContentQueryResponse and therefore will always be part of the response message. In the case that an error is returned in the ReturnInfo block and no content is retrieved, the DetailInfo block will not contain any data.
- The SchedulerContentID in the DeliveryApptContentCreate, DeliveryApptContentUpdate and DeliveryApptContentCancel messages is an ID generated by the Scheduler and should be numeric with no alpha-characters.
- For TM Spec 2.0 messages, the SchedulerContentID may be populated by the customer with a 12 digit (or less) numeric value. In the case that the SchedulerContentID is not populated in a

MailDatSummary block, the *PostalOne!* system will populate SchedulerContentID in both the MailDatSummary block and the corresponding USPS Summary block with a *PostalOne!*-generated alphanumeric field consisting of P followed by a sequence of 11 digits or less. The SchedulerContentID will be populated in response messages with this value.

### Detail Info Block

**PostalOne! will be support the following method to populate the DetailInfo Block**

**PostalOne! Option:** Shipper uses a DetailInfo Block to represent a PS 8125 Form  
Shipper uses a USPSummary or MaildatSummary block to represent a mail job .



## 2.5 Multistop Support

The following is a breakdown of what is supported in the initial release from a Multistop perspective:

### FAST Online Application

1. Create a new Appointment and associate it to a new Multistop.
2. Create a new Appointment and associate it to an existing Multistop.
3. Disassociate an existing Appointment from a Multistop (the Appointment is still active but it is no longer associated with a Multistop).
4. Cancel the entire Multistop and therefore cancel all Appointments associated with that Multistop.

### Web Services

1. Create a new Appointment and associate it to a new Multistop.
2. Create a new Appointment and associate it to an existing Multistop.

### NOTES:

- An Appointment tied to a Multistop cannot be directly disassociated from that Multistop via Web Services. The Appointment will have to be canceled and rescheduled without the Multistop information OR the Appointment can be disassociated online.

- An existing Appointment cannot be added to an existing or new Multistop through online or Web Services. In both cases, the Appointment will have to be canceled and rescheduled with the Multistop information.
- Note that anytime an Appointment is canceled, the overall Corporate rating may be impacted. Please see Mailer/Appointment Rating section of the FAST User Guide for more details on the rating calculation.

## 2.6 Error Codes/Return Values

The IDEAlliance “TM-Spec-<TM Spec version>Faults” specification outlines a set of possible Return Code Values for that TM Spec version. Below is an outline of the Return Code Values that are supported in initial version of the USPS implementation. The IDEAlliance specification also allows for implementation specific Return Code Values to be defined. The USPS implementation-specific Return Code Values are also listed below.

IDEAlliance Return Code Values		
Code	Description	Supported?
1000	Invalid Scheduler ID for Scheduler Corp ID	Yes
1001	Invalid Scheduler Corp ID	Yes
1002	Unrecognized Facility	Yes*
1003	Appt Type not supported by the facility	No
1004	Invalid ConsigneeApptID	Yes
1005	Invalid Multistop ID	Yes
1006	Duplicate Unique Container ID's	Yes
1007	Appt Type not supported by Consignee	No****
1008	Appt Type not supported by facility	No
1009	No slots available for that time / type – dock limit	Yes
1010	The volume requested for the following mail shape exceeded the maximum volume: <Mail Shape>	Yes*
1011	Web Services/Online Appointments must be scheduled at least 1 hour in advance	Yes*
1012	Appointments may only be scheduled up to 14 days in advance	Yes*
1013	Appt type limits exceeded	No
1014	Outside consignee defined timeframes for update/cancel	No**
1015	Update/cancel refused – appointment closed/canceled	Yes
1016	Unrecognized Appointment – field combinations do not match consignee data (generic)	No
1017	Customer and Consignee Appointment ID do not correspond	Yes*
1018	Requested appt date/time is past	Yes
1019	Update/Cancel not allowed, past consignee editable time threshold	No**
1100	Mail.dat User License Code not supported by receiver	Yes
1101	Mail.dat Job ID not in consignee database	Yes
1102	Mail.dat DatabaseContainerID not in consignee database	Yes
1103	Mail.dat Verification Zip+4 not in consignee database	Yes
1200	News content is only valid when Mail Class is Periodicals	Yes*
1201	Perishable content is only valid when Mail Class is Package Services	Yes*
1202	Invalid Mail Shape/ Handling Unit combination	Yes
1203	In Home Start Date must be earlier than the In Home End Date	Yes*
1300	Mail Class not supported by Consignee	Yes
1301	Processing Category not supported by Consignee	Yes
1302	Presort Level not supported by Consignee	Yes

IDEAlliance Return Code Values		
Code	Description	Supported?
1303	Mail Class not supported by Facility	No
1304	Processing Category not supported by Facility	No
1305	Presort Level not supported by Facility	No
1306	Rate Type and Postal class are inconsistent.	Yes
1307	RateType Not Supported by Consignee	Yes ****
1400	Generic Update	No***
1401	Content Property Update	No***
1402	Content Change	No***
1403	ETA Update	No***
1404	Action Requested by Consignee	No***
1405	Delivery Appt Cancelled per request of consignee	Yes
1406	Product combined into another existing appointment	Yes
1407	Major change in expected delivery window	Yes
1408	Product not available	Yes
1409	Appt made in error – human error	Yes
1500	Invalid Tracking ID	Yes
1501	Tracking ID does not Match with Shipper	Yes
1502	Come Back Later	Yes*****

\* - Indicates that the description listed is a more specific USPS description than what is outlined in the IDEAlliance specification.

\*\* - Indicates that this specific code will not be returned but that either the 1011, 1012 or 3010 code will be returned instead, depending on what timeframe rule was violated.

\*\*\* - These codes will not be stored or used to implement any business logic in the current USPS implementation.

\*\*\*\* - This specific code will not specifically be supported because the USPS Implementation supports all Appointment types outlined in the IDEAlliance specification. Therefore, if a request is received that contains an invalid Appointment type it will simply fail XSD validation and a Fault block will be returned.

\*\*\*\* - Indicates that this code will be returned if Parcel Post is sent in. The Rate Type Parcel Post will be supported by FAST in the future.

\*\*\*\*\* - This indicates Mailer need to come back again to get the response for the Tracking ID request. This code is returned on TMSpec 1.3 XSD and above.

**NOTE:** Error Codes 1405-1409 may be provided in the ReturnInfo block of a DeliveryApptCancelRequest, DeliveryApptShellCancelRequest or DeliveryApptContentCancelRequest to indicate the cancellation reason.

PostalOne! – FAST Return Code Values	
Code	Description
3000	Scheduler ID is not valid
3001	Scheduled Appointment time must be scheduled on the hour
3002	Customer and Consignee Multistop ID do not correspond
3003	Perishable content is only valid when Processing Category (Mail Shape) is Machineable Parcel, Outside Parcel (Non-Machineable Parcel), or Irregular Parcel
3004	Optional Appointment Start Time must be before the Optional End Time

<b>PostalOne! – FAST Return Code Values</b>	
<b>Code</b>	<b>Description</b>
3005	Optional Appointment Start Time must be within 8 hours of the Optional End Time
3006	The time difference between the first and last appointment of a multi-stop must be within 24 hours
3007	Appointment date/time must be earlier than In Home Start Date
3008	Number of USPSSummary blocks exceeded maximum limit of 100
3009	A Speedline Appointment cannot have more than 6 pallet positions
3010	Appointments must be updated at least 1 hour in advance
3011	Facility does not accept drop shipments.
3012	An appointment with this Scheduler ID and Scheduler Appointment Request ID already exists
3013	Valid content count must be present for each USPS Summary block
3014	You have experienced an error with the application. Please contact your FAST or Web Services system administrator for help
3015	A Pallet Appointment must have a Count of Pallets Containing Trays, Sacks, Bundles or Parcels
3016	Bedload and Drop and Pick Appointments may not have a Count of Pallets Containing Sacks, Trays, Bundles, or Parcels
3017	A Speedline Appointment may not have a Bedloaded Tray, Sack, Bundle or Parcel Count
3018	<p>Default Facility:  <u>Error Message Format:</u>                      &lt;CIN Group&gt; are not accepted at this facility. Please create an appointment at &lt;NASS Code – Facility Name&gt;.</p> <p><u>Error Message Example:</u>                      Standard/Flats are not accepted at this facility. Please create an appointment at 100 – New York.</p> <p>Non-default Facility:  <u>Error Message Format:</u>                      &lt;CIN Group&gt; are not accepted at this facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.</p> <p><u>Error Message Example:</u>                      Standard/Flats are not accepted at this facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.</p>
3019	A Speedline Appointment cannot have more than 24 total pallets
3020	Application cannot get response for the given tracking ID ( Refer Notes below)
3021	A USPSSummary type was not provided in any of the DetailInfo blocks (See Notes below)

**NOTE:**

- Return code 3018 refers to the Appointment Scheduling and Management Drop Ship Product Validation Process. The new functionality will provide online validation to verify if the selected facility can accept the mail contents on the requested appointment. FAST will utilize the drop ship product ZIP/CIN file. If an appointment passes the CIN group (mail class/mail shape combinations) validation, normal processing will continue as it does today; however, if it fails the CIN group validation, an error message or warning message will be displayed. The error message will notify the user of the type of content(s) that cannot be accepted at the specified facility and which facility those contents should be redirected to for processing. The warning message will notify the user that potential redirections may exist and provides additional facility information for the user to reference. In both cases, the user is provided a hyperlink to the 'facility profile – additional information' page to view specific redirections.

- Return code 3020 is used to indicate the application cannot get a response for this 'TrackingID'. The reason could be the Mailer is using the 'TrackingID' for which they have already obtained a response. This code is supported TMSpec XSD 1.3 and above. This is related to another code, 1502, which indicates the response is not available now and the Mailer need to come back again later to get a response.
- Return code 3021 is used to indicate that the XML message does not contain any USPSSummary blocks in any of the DetailInfo blocks. USPSSummary blocks provide content information, and appointment create, update, and query messages cannot be processed without content information. Thus, at least one USPSSummary block must be present in at least one DetailInfo block.

<b>PostalOne! – FAST Additional Return Code Values Supported for TM Spec Version 2.0</b>	
<b>Code</b>	<b>Description</b>
3022	Invalid Mail Preparer ID
3023	Invalid Mail Owner ID
3024	Invalid Publication ID
3027	Update/cancel refused – content does not exist
3028	Invalid Mail Class for Appointment
3029	No update to Content made
3030	Publications only valid when Mail Class is Periodicals
3031	Invalid TM Spec Version
3032	Content may not be cancelled – appointment must have at least one content
3033	Invalid ConsigneeContentID
3034	Scheduler ID does not correspond to Scheduler ID for content
3035	Scheduler ID and Appointment ID do not correspond
3036	Facility ID and Appointment ID do not correspond
3037	Appointment may not be cancelled – appointment has associated content – please use the DeliveryApptCancelRequest message to cancel this appointment
3038	Invalid ConsigneeApptID – Appointment is not a Web Services appointment
3039	RecurringAppt block not supported by Consignee
3040	Update refused – may not change facility for this appointment – this appointment has associated content
3041	Web Services appointments/contents may not be cancelled greater than 24 hours past the appointment date/time
3042	Invalid TM Spec Version – Mailer not certified for TM Spec Version
3043	Content update/cancel refused – content was not created by a DeliveryApptContentCreateRequest message
3044	Invalid TM Spec Version – Appointment has been previously updated with a higher version
3045	Pallet Presort Level Counts must equal Pallet Level Counts
3046	Incorrect WSDL used to send TM2.0 Appointment Message
3047	A Drop and Pick Appointment Type may not be a Multi-Stop
3048	Invalid cancellation reason
3049	Scheduler for appointment must use the DeliveryApptUpdate message to add/update content(s)
3050	Invalid Unique Container ID
3051	No content associated to appointment
3052	Mailer must provide FAST content ID on update using DeliveryApptContentUpdateRequest Message
3053	BMC discount for Periodicals is only valid for cross-docked pallets
3055	Truck lengths <range> <truck length> ft are not accepted at <NASS Code - Facility Name>. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.

<b>PostalOne! – FAST Additional Return Code Values Supported for TM Spec Version 2.0</b>	
<b>Code</b>	<b>Description</b>
3056	Truck lengths <range> <truck length> ft are not accepted at <NASS Code - Facility Name>. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.
3057	No slots available for the requested time/type due to tiering
3058	Number of Pallet Positions must be specified when Appointment Type is Speedline
3059	Facility cannot be modified for recurring appointment instances.

**NOTE:**

- Error Codes 3025 and 3026 are not included because they are used for Mail.dat Recurring Content Notifications as Error Codes specific to this message type that FAST sends to the *PostalOne!* system that are.
- Error Codes 3025 and 3026 are not used because they are used for Mail.dat Recurring Content Notification messaging specific errors.
- Error Codes 3022 and 3023 are used to validate that the Mail Preparer ID and any Mail Owner IDs are valid FAST Scheduler IDs.
- Error Code 3031 would be returned in a Fault Response.
- Error Code 3028 is used to indicate whether the mail class for a content is accepted for the appointment. When an appointment shell is created, the Scheduler indicates which Mail Classes are accepted for that appointment. When a DeliveryApptRequest or DeliveryApptUpdateRequest is made, only contents with the same mail class as existing contents for that appointment may be added using the DeliveryApptContent message request and update types.
- Error Code 3034 is used if a Scheduler who is not associated to the same corporation as the Scheduler who created the content attempts to update or cancel the content.
- Error Codes 3035 and 3036 are used to validate that the Scheduler ID and Facility ID match the Appointment ID given in a Delivery Content Query message.
- Error Code 3037 is returned if a DeliveryApptShellCancelRequest is sent to cancel an appointment that has associated content. The DeliveryApptCancelRequest should be used in this scenario.
- Error Code 3046 Mailers will receive this error messages if they used incorrect WSDL to send TM V2.0 Appointment messages.

## **2.7 CIN Warning Codes and Descriptions**

The following CIN Warnings are returned in the ReturnInfo block of accept messages where they occur. This applies to the following message types:

- DeliveryApptAcceptResponse
- DeliveryApptUpdateAcceptResponse
- DeliveryApptQueryResponse
- DeliveryApptContentCreateAcceptResponse
- DeliveryApptContentUpdateAcceptResponse

<b>PostalOne! – FAST CIN Warnings Supported for TM Spec Version 2.0</b>		
<b>Code</b>	<b>Warning Description Text</b>	<b>Warning Explanation</b>
4000	Some < cin group > are accepted at this Facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a default facility that has a complete redirection, but not all discounts or ZIP Codes (in the case of Delivery Units) are redirected.
4001	Some < cin group > are redirected to < redirect facility >. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a redirect facility that has a complete redirection, but not all discounts or ZIP Codes (in the case of Delivery Units) are redirected.
4002	< CIN Group > are being redirected to < redirect facility >. The grace period ends <grace date>.	If scheduling at a default facility that has a complete redirection, but the default grace date of this redirection has not yet expired.
4003	< cin group > processing will no longer be performed at this facility. Please refer to the Mail Direction Search or Drop Ship Product for the correct accepting facility. The grace period ends <grace date>.	If scheduling at a redirect facility that has an expired complete redirection from a default, but that redirection is still in the grace period.
4004	This facility currently accepts <CIN Group>, however, on <redirection start date>; <CIN Group> will be redirected to <redirect facility>. Please adjust your appointments accordingly.	If scheduling at a default facility that currently has no complete redirections, but a new redirection will become active in 75 days or less
4005	Some < cin group > redirections to this facility expire before < date redirection expires >. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a redirect facility that currently has at least one redirection to it, but at least one of those redirections will expire in 75 days or less
4006	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please create an appointment at <NASS Code – Facility Name>.	If scheduling at a default facility with a truck length that falls within the truck length redirection and the default grace date that has not yet expired.
4007	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please create an appointment at <NASS Code – Facility Name>.	If an appointment is scheduled at a default facility where a truck length redirection exists and is not within the grace period and no truck length is provided for the appointment.
4008	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If an appointment is scheduled at a redirect facility where a truck length redirection exists and it is within the grace period.
4009	Truck lengths <range> <truck length>ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If an appointment is scheduled at a redirect facility where a truck length redirection exists and it is not within the grace period and no truck length is provided for the appointment.
4010	BMC discount for Periodicals is only valid for cross-docked pallets.	If an appointment is scheduled for Palletized Periodicals for BMC discount.

<b>PostalOne! – FAST CIN Warnings Supported for TM Spec Version 2.0</b>		
<b>Code</b>	<b>Warning Description Text</b>	<b>Warning Explanation</b>
4011	< cin group > processing will no longer be performed at this facility. Please refer to the Mail Direction Search or Drop Ship Product for the correct accepting facility. The grace period ends <grace date>.	If an appointment is scheduled at a default facility where the effective end date has expired but is still in the grace period.
4012	The Bill of Lading Number, Shipper Name and Vehicle ID will be updated for the following open appointments that are associated to multi-stop id <multi-stop id>: <appointment id list>.	If a leg of a multi-stop appointment is created or updated, and either the Bill of Lading Number, Shipper Name or Vehicle ID is different from the existing corresponding fields for the multi-stop appointment, then this warning will appear.

Please note that any error or warning messages listed above will be limited to the acceptable field lengths provided in the TM Specification. This could cause a message to be truncated if it exceeds the acceptable field length.

## 2.8 Fault Codes

In addition to the above return codes, the IDEAlliance “TM-Spec-1.0Faults” specification also defines a set of possible faults that are used to convey system or operational information. Unlike return codes, faults codes are only three-digit long and they are communicated using the Fault element within the detail section of the SOAP fault. The TM specification further mandates that the following codes must be understood by all receivers:

<b>Faults</b>	<b>Description</b>
320	Incompatible SOAP Protocol Version
400	Generic Request Error
401	Incomplete/Cannot Parse
402	Not Well Formed XML
403	Validation Failure
404	This Error Intentionally Left Blank
405	Unrecognized Sender
407	Unrecognized Operation
408*	Unrecognized Operation Arguments
410	Not Found
412	Unauthorized
413	Forbidden
430	Not Confirmed
431	Failure Fetching External Data
440	Sorry
500	Generic Internal Responder Error
501	Temporary Responder Problem
503	Not Implemented

\* - The fault description will contain additional info about the offending operation argument.

## 2.9 Web Service Additional Constraints

In addition to conforming to everything stated in the WSDL file, all XML inputs to the Appointment Services operations must qualify the XML elements and attributes with their associated namespace. As an example, following is a good ApptResponseRetrieval input message to the operation RetrieveAppointmentResponses:

## 2.10 Appointment Response Retrieval Request Processing

The *PostalOne!* system will generate the response to an ApptResponseRetrievalRequest based on the version of the Mail.XML Specifications of the Request message.

The *PostalOne!* system will provide the Web Services Users with the capability to re-request the appointment responses using the generated TrackingIDs multiple times with an ARRR within 30 days of initial response receipt from FAST. The *PostalOne!* system will provide the users with the latest response from FAST in case where there are multiple appointment responses for the same TrackingID.

## 2.11 PostalOne! WSDL Information

In order to support IDEAlliance Mail.XML Specification changes and the newly added Appointment messages types, the *PostalOne!* system will update the WSDL information will create a new WSDL. Mailers are encouraged to use the new WSDL even if they plan to continue sending and receiving web services requests using previous version of IDEAlliance TM and Mail.XML Appointment requests.

Mailers can access and download the supported versions of the *PostalOne!* WSDL from the following location:

<http://www.usps.com/postalone/autodropshipschedule.htm>

## 2.12 SchedulerContent ID

The *PostalOne!* system (Mail.XML Web Services) will generate SchedulerContent ID only if the mailer has set the 'IncludeInSummarizationblock' to 'No'. Mail.XML Web Services will generate the USPS Summary Block and reference Scheduler Content ID. The Scheduler Content ID will be an alphanumeric of the format P###... (= P & up to 11 digit sequence number). The prefixing is used to inform FAST that this Scheduler Content ID has been generated by Mail.XML Web Services. Customer will be informed to use up to 12-digit number if they are populating this information in the appointment message.

## 2.13 Closeout Messages

FAST will generate a single closeout message for each appointment. The TM Spec version used to generate the message will be determined as follows:

Closeout messages will be generated by FAST using the latest version of Mail.XML Specification used to create or update the appointment. If the latest version of the Mail.XML Specification used to create or update the appointment is no longer supported, the lowest supported version will be used for the closeout message. By the release of the Full Service program, the lowest supported version of Mail,XML is Mail.XML 4.0. For example, if an appointment was created using Mail.XML Version 4.0 then updated using Mail.XML Version 5.0, the ConsigneeGoodsReceipt will be generated using Mail.XML Version 5.0. If an appointment is created/updated using Mail.XML version 4.0 and never updated using Mail.XML Version 5.0, the ConsigneeGoodsReceipt will be generated using Mail.XML Version 4.0.

Closeout messages for Unscheduled appointments will be generated using the lowest supported version of Mail.XML specificationst. Currently, Mail.XML version 4.0 is the lowest supported Mail.XML and will be used to generate all Unscheduled closeout messages.

*The PostalOne! system will generate the Closeout Response using the same Mail.XML version as the one used to generate the Closeout Request. A customer who has appointments for both Mail.XML 4.0 and Mail.XML 5.0 will need to send a separate Closeout Request to retrieve closed appointments for Mail.XML 4.0 and Mail.XML 5.0.*

The total number of 'consignee goods receipt' and 'unscheduled consignee good receipts' included in the closeout response is currently set to a maximum of 200 messages per response..

## 2.14 Mail.dat Recurring Content Notification

Added functionality is being incorporated for customers to send content updates for FAST Recurring Appointment instances through Mail.dat. This messaging is strictly between the *PostalOne!* system and FAST. In order for a recurring content addition/update/cancellation to be sent to FAST, the Reservation Number (the 5-digit + 'R' FAST Recurring Sequence ID (i.e. 12345R) or 5-digit + 'R' + 4 digit FAST Recurring Appointment ID(i.e.12345R0415)) must be entered in Mail.dat as well as the 'Scheduled Induction Date' in the Container Summary (.csm) record. The 'Scheduled Induction Date' should be the date of the Recurring Appointment instance. In addition, when the data is created in Mail.dat, the FAST Recurring Content ID should be provided in the Mail.dat 'FAST Content ID' field, which is to be added in version 07-01 of Mail.dat. If this 'FAST Content ID' is not populated, the content will be added to the appointment as a new content, which may have rating implication. If all content for a recurring appointment instance is overwritten by a DeliveryApptUpdateRequest message, customers will no longer be able to add/update/cancel content for this appointment in FAST through Mail.dat.

## 2.15 Delivery Content Query Message Default Values

For DeliveryContentQueryRequest messages referencing appointment shells. FAST will populate the required fields in USPSSummary block in the DeliveryContentQueryResponse message with the following values:

Perishable : No

MailClass : 1

ProcessingCategory: PF

NewsIndicator: No

## 2.16 Appointment Shell Cancellation Messages

FAST will support the cancellation of Appointment Shells using both the Delivery Appointment Shell Cancel Request message and Delivery Appointment Cancellation Request Message, however Appointment Shells should be cancelled using the Delivery Appointment Cancellation Request Message.

## 3.0 **PostalOne! – Mail.XML Web Services**

### 3.1 **Overview**

This section will discuss the technical information related to the *PostalOne!*-Mail.XML Web Services messages that support mailer interaction with the *PostalOne!* system in managing, updating and querying mail contents and to supplement the Mail.dat functionality such as container updates, Cast of Characters and co-palletization messages. The *PostalOne!* system will support the new and enhanced version of these messages as described in Mail.XML 5.0 by the release of the Full Service program.

#### **Mail.XML™ 5.0 Specifications**

##### **Messages that will be supported by the *PostalOne!* system in Mail.XML 5.0**

Following are the list of messages that were introduced in Mail.XML 4.0 specification to support and augment *PostalOne!*-only functionality

##### Co-palletization Container Linkage Messages

This family of TM messages allows communication to link an original co-palletization container with a new co-palletization container and provide the following capabilities:

- Ability to create a linkage between original container(s) and new identify of containers from the consolidator site
- Ability to cancel co-palletization linkage between original and new or linked containers

The Copalletization Container Linkage messages include:

- Copalletization Container Linkage Create Request
- Copalletization Container Linkage Response

##### Mail.dat Container Update Messages

This family of TM messages allows the update of the Mail.dat Container Summary records.

- Ability to update container information sent via Mail.dat
- Ability to add sibling containers through the sibling messages

The Mail.dat Container Update messages include:

- Mail.dat Container Update Request
- Mail.dat Container Update Response

##### Appointment Status Messages

This series of messages is used to request a status and to provide the customer with the Ability for customers request the status of a container on an existing appointment to find out if there are any conflicts associated with that container.

This message set includes:

- Delivery Appointment Status Request
- Delivery Appointment Status Response
- All Delivery Closeout Status Request

- All Delivery Closeout Status Response
- Container Acceptance Status Request
- Container Acceptance Status Response
- Container Status Query Request
- Container Status Query Response

#### Cast of Characters Messages

This family of TM messages supports information access and sharing within USPS between multiple mailers. The Cast of Characters messages include:

- Cast of Characters Create Request
- Cast of Characters Create Response
- Cast of Characters Update Request
- Cast of Characters Update Response
- Cast of Characters Cancellation Request
- Cast of Characters Cancellation Response

#### USPS Forecast Messages

This series of messages is used to provide origin entry mailers with the ability to create forecast information for the USPS via Web Services. This message set includes:

- USPS Forecast Create Request
- USPS Forecast Create Response
- USPS Forecast Update Request
- USPS Forecast Update Response
- USPS Forecast Cancel Request
- USPS Forecast Cancel Response

#### Customer Relations Messages

This series of messages is used to provide customer identification information. This message set includes:

- Customer Relations Identification Query Request
- Customer Relations Identification Query Response
- Customer Relations Identification Update Request
- Customer Relations Identification Response

#### Customer Reference ID Messages

This series of messages is used to provide USPS Customer Reference Identification (CRID) information. This message set includes:

- USPS CRID Query Request
- USPS CRID Query Response

#### Mailer ID Messages

This series of messages is used to provide mailer identification information. This message set includes:

- USPS Mailer ID Query Request
- USPS Mailer ID Query Response

#### Fault and Fault Recovery Messages

This series of messages is used to report a fault and to recover from such a fault. This message set includes:

- Appointment Response Retrieval Request
- Appointment Response Retrieval Response

### **3.2 Access to *PostalOne!* - Mail.XML Mail.dat Web Services**

In order for Mail Owners or mailing agents to utilize Mail.XML Mail.dat messages to manage and update Mail.dat contents; a mail owner or mailing agent must request a user account within the *PostalOne!* system

Mailers can then utilize IDEAlliance Mail.XML Specification and *PostalOne!* System Mail.XML Web Services to perform the required content management functionality.

### **3.3 Additional Rules/Constraints**

#### Mail.dat Container Update Messages

- The *PostalOne!* system will support through Mail.dat Container update request and response messages, only prior to postage generation, the ability for customer to change the container's status, update the transportation information such as entry point information, ship dates and times, pick up dates and times for plant loaded mail and any other elements in the message /other characteristics of a container such as the barcodes, entry points, weight and any other element present in the message.
- The transportation update will trigger recurring appointment processing for FAST and eDropShip, when the 6th byte in the appointment is an R and the update was done using a 'T' transportation update flag.
- The *PostalOne!* system will not allow updating of Entry Point Entry Disc PostalCode, entry disc facility type, actual deliv locale key, actual delivery postal Code, if the previous container status is an 'R'.
- The *PostalOne!* system will allow the customer to send a cancel or delete status for a container and if the container status was an 'R' then all postage cancellation processing shall be triggered.
- The *PostalOne!* system will allow updating of Entry Point Entry Disc PostalCode, entry disc facility type, actual deliv locale key, actual delivery postal Code, if the previous container status is an 'O'.
- If the customer updates the container status to an R then the *PostalOne!* system shall trigger all processes it triggers today when a customer sends an R status for a container, such as postage statement processing, eDropShip processing, reports generation and u0pdates based upon the R status.

### Appointment Status Messages

The *PostalOne!* system will support status checking through Container Acceptance Status request and response messages, in this release by originator of data and by the entity identified as the Scheduler or Carrier in the eDoc, and in the next release by third parties based upon profile and Cast of Characters implementation, to check the status of any given container(s) and make sure when the container is shipped that the induction facility will not have any issues in accepting the containers.

1. The *PostalOne!* system upon receiving the container status message shall go to the container management system of eDropShip to find out all validation status of the requested container(s) and respond to the customer with the status information.
2. If there are any issues or validation errors for one or more containers then the *PostalOne!* system shall respond back to the customer with validation failures for one or more container(s).

### **3.4 Error Codes/Return Values**

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.

### **3.5 Additional Constraints**

TBD

### **3.6 WSDL Information**

WSDL information will be published to Support MAILXML5.0 messages.

## 4.0 **PostalOne! – MailXML: eDOC Messages**

### 4.1 **Overview**

As part of *PostalOne!* support to Full Service program, Mail.XML 5.0 Web Services messages will provide an alternative to and replace the current Wizard Web Services (WWS) specification from the *PostalOne!* system. Mail.XML will be the overall umbrella specification that will contain all of the current WWS functionality, along with existing Transaction Messaging™(TM), and new PDR.XML messages.

Mail.XML eDOC Web Service Messages will allow business customers to submit and receive postal documents electronically via Web Services. Mail.XML is an alternative to using the Postage Statement Wizard® application to create and submit a postage statement and an alternative to using Electronic Documentation with the Mail.dat® specification.

### 4.2 **Mail.XML 5.0 eDOC Messages**

#### **Postage Statement (non-Periodicals) Messages**

##### Postage Statement – Begin Combined Mailing Request Message

This method sends the combined mailing ID information and starts the combined mailing. This method must precede the postage statements included in the combined mailing and the End Combined Mailing method.

##### Postage Statement – End Combined Mailing Request Message

This method ends a combined mailing and must be used after Begin Combined Mailing and all postage statements are submitted that are to be included in the non-Periodicals mailing.

##### Postage Statement – Postage Statement Postage Request Message

This method allows the USPS customer to retrieve a 3600-series postage statement.

##### Postage Statement – Submit Postage Statement Request Message

This method allows the USPS customer to submit a 3600-series postage statement to a mailing group.

##### Postage Statement – Cancel Postage Statement Request Message

This method allows the USPS customer to cancel a submitted postage statement (including a Periodicals statement) that has not already been reversed or finalized.

#### **Postage Statement (Periodicals) Messages**

##### Postage Statement – Periodical Statement Request Message

This method allows the USPS customer to retrieve a Periodicals postage statement.

##### Postage Statement – Periodical Versions Request Message

This method returns the postage statement keys of the child Periodicals statements contained within a consolidated Periodicals postage statement.

##### Postage Statement – Submit Periodical Statement Request Message

This method allows the USPS customer to submit a Periodicals postage statement to a mailing group.

Postage Statement – Submit Consolidated Periodical Request Message

This method allows the USPS customer to create a consolidated statement by consolidated previously-submitted Periodicals statements that were submitted for consolidation.

Postage Statement – Cancel Postage Statement Request Message

This method allows the USPS customer to cancel a submitted postage statement (including a Periodicals statement) that has not already been reversed or finalized.

**Qualification Report Messages**

Qualification Report – Submit Qualification Report Message Request Message

This method allows the USPS customer to submit a qualification report to a mailing group. The qualification report conforms to standardized documentation described in DMM 708.1.

**Plant Drop Ship Messages**

Plant Drop Ship – Submit Plant Verified Drop Shipment Request Message

This method allows the USPS customer to submit Plant-Verified Drop Shipment data to the SASP system.

Plant Drop Ship – Cancel Plant Verified Drop Shipment Request Message.

This method allows the USPS customer to cancel a Plant-Verified Drop Shipment submitted to the SASP system.

**Mailing Group Messages**

Mailing Group – Open Mailing Group Request Message

This method allows the USPS customer to create a new mailing group that will accept mailing documents. A mailing group has a mail preparer permit associated with it. All of the documents submitted to the mailing group must use the same permit number, permit type, and Post Office of Mailing ZIP Code for the Preparer section of the document as is designated for the mailing group.

Mailing Group – Close Mailing Group Request Message

This method may be used if a mailing group was opened in error to prevent additional mailing documents from being added to the mailing group and to prevent mailing documents already attached to the group from being processed further. Closed mailing groups do not appear on the Dashboard. Mailers should only close mailing groups to prevent further processing and to remove the mailing documents from view.

Mailing Group – Responses for ProcessID Request Message

This method allows the USPS customer to check on the status (or response) of a particular submission for which the Process ID is known.

Mailing Group – Responses for MailingID Request Message

This method allows the USPS customer to check on the status (or responses) of documents that have been submitted and associated with the mailing group.

#### Mailing Group – Mailing Group Version Request Message

This method returns the current version of the Mail.XML , followed by the current version of the API (e.g., Wizard Web Service 1.4 /MailGroup 1.1).

#### **Password Management Messages**

##### Password Management – Password Change Request Message

To change a password for an existing user, use this method, even if the old password previously expired. The user ID must be a current, active *PostalOne!* logon name.

#### **Dashboard Reports Messages**

##### Dashboard Reports - Query for Mailing Group Request

This method will allow the USPS customer to retrieve a list of Mailing Group ID's based on a query using the parameters supplied.

##### Dashboard Reports - Status Query Request

This method will allow the USPS customer to retrieve a list of response statuses from prior WWS-based submissions based on a query using the parameters supplied.

##### Dashboard Reports - Postage Statement Query for Mailing Group Request

This method will allow the USPS customer to retrieve a list of Postage Statement Keys based on a query using the parameters supplied.

#### **Customer Mail Report Messages**

##### Customer Mail Report - Customer Mail Report Message

This method will receive Mail.XML CustomerMailReportRequest messages and return a CustomerMailReportResponse message that will provide customer mail report submission functionality.

##### Postage Adjustment – Postage Adjustment Request Message

This method can be used in lieu of the Mail.dat PAR file. This method will be used to send in adjustment data due to spoiled or wasted pieces for a given job in which exists a postage statement that has not yet been finalized.

##### Summary Zip Destination – Summary Zip Destination Report Message

This method will receive Mail.XML SummaryZipDestinationReport that will create an XSD element to support the submission of MLOCR reports by ZIP Code.

### **4.3 Mail.XML Messages to support Mail.dat**

#### **Container Status Messages**

##### Container Status – Container Status Query Request

This method will allow any business entity to query USPS, while providing key information to query and return one or more Mail.dat-submitted containers with their appropriate status.

### **Co-Palletization Messages**

#### Co-Palletization – Co-Palletization Origin Container Linkage Request

This method will allow a consolidator to link to the original Mail.dat container sent to the *PostalOne!* system as part of a different job or transaction by sending a web services request.

### **Mailing Group Messages**

#### Mailing Group - Mailing Group ID Request Message

This method will allow the USPS customer to retrieve the Mail.XML Mailing Group ID for a given Mail.dat job.

## **4.4 Mail.XML Messages to Send/Retrieve Full Service Data from SASP**

### **Address Correction Messages**

#### Address Correction - Full Service Address Correction Request

This method will allow any business entity to send Full Service Address Correction Request messages.

### **Start the Clock Messages**

#### Start the Clock- BMEU Mailing Request

This method will allow any business entity to send Start the Clock BMEU Mailing Request message

#### Start the Clock- Drop-ship Mailing Request

This method will allow any business entity to send Start the Clock Drop-ship Mailing Request message.

#### Start the Clock- Plant Load Mailing Request

This method will allow any business entity to send Start the Clock Plant Load Mailing Request message.

### **Mail Owner / Mail Agent Messages**

#### Mail Owner / Mail Agent - Mail Owner Preparer Conflict Message Request

This method will receive Mail.XML MailOwnerPreparerConflictRequest messages and return a MailOwnerPreparerConflictResponse message to provide a message when conflicting by/for information is passed.

### **Piece Detail Messages**

#### Piece Detail – Piece Detail Create Request Message

This method allows the submission of piece details to the SASP system for a given container on the Qualification Report.

#### Piece Detail – Piece Detail Update Request Message

This method allows the submission of updated information to the SASP system for piece details on a given container on the Qualification Report.

#### **Intelligent Mail Range Messages**

Intelligent Mail Range – Intelligent Mail Range Create Request Message

This message can be used in lieu of using the PDR or PDR.XML. This message allows ranges to be defined instead of documentation for each mail piece.

Intelligent Mail Range – Intelligent Mail Range Update Request Message

This message can be used in lieu of using the PDR or PDR.XML. This message allows ranges to be defined instead of documentation for each mail piece.

#### **Cast of Characters Messages**

Cast of Characters - Cast of Characters Updates

This method will allow mailers to engage a third-party data recipient to manage only a portion of the data for a specific Mailer ID and service, the mailer must submit a Cast of Characters message to identify the data recipient and mailing-specific information.

### **4.5 Mail.XML Messages to Send/Retrieve Data from MID/Customer Registration Systems**

#### **Mail Owner / Mail Agent Messages**

Mail Owner / Mail Agent – MID and CRID Request

This method will receive Mail.XML RequestMIDOrCRID messages and return a MIDOrCRIDResponse message to return the MID or CRID as requested by a Mail agent or owner.

### **4.6 Additional Rules/Constraints**

Additional rules and constrains will be added later

### **4.7 Error Codes/Return Values**

New error codes/Return Values will be define and communicated to mailers using FAULT element.

### **4.8 Additional Constraints**

TBD

### **4.9 WSDL Information**

WSDL information will be published to Support MAILXML5.0 messages.