

***Full Service
PostalOne! - FAST
Web Services
Technical Guide***

Version FS1.0

Network Operations Management Systems Portfolio

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1.0 Full Service *PostalOne!* – FAST Web Services

1.1 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.

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 *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 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. So the customer can either send all the content details directly to FAST through *PostalOne!* FAST Web Services mechanism or can request the *PostalOne!* system query and provide all or part of the content details to FAST through the *PostalOne!* FAST Web Services mechanism.

IM Full Service option requires the IDEAlliance Mail.XML (ex TM Spec) *PostalOne!* FAST Web Services electronic method to create and/or update appointments within the FAST system, identified as option 2 above. 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.

The purpose of this Technical Guide is to supplement the IDEAlliance Mail.XML (previously known as IDEAlliance® Mail.dat® Transportation Management (TM) Specification) with specific information regarding the USPS® implementation. Not all of the messages from the Mail.XML (TM Specification) are currently supported by the USPS implementation. This document serves as the collection of all specific rules, standards, accepted values, error messages, etc. regarding the USPS implementation. of the Mail.XML Specification

1.2 Messages

PostalOne! OPS Web Services will continue to support two versions of the Mail.XML (TM Specifications) at a given time. Currently, the *PostalOne!* OPS Web Services supports TM Spec Version 1.1 and 2.0. By the fall of 2008, the *PostalOne!* system will support Mail.XML V 3.0 and TM Spec V2.0.

The sections below highlight the messages that are supported by the different versions of the Mail.XML and TM Specifications. It also include the list of Change Requests (CRs) that are being considered for Mail.XML version 4.0.

Messages supported for TM Spec Version 1.1 and TM Spec Version 2.0

- Delivery Appointment Query Request
- Delivery Appointment Request
- Delivery Appointment Update Request
- Delivery Appointment Cancellation Request
- All Delivery Appointment Closeout Request – This message is currently only supported from the Shipper to the Consignee. The Consignee will not send this message directly to the Shipper.
- Appointment Response Retrieval Request

Additional Messages supported for TM Spec Version 2.0

- Delivery Appointment Content Create Request
- Delivery Appointment Content Update Request
- Delivery Appointment Content Cancel Request
- Delivery Appointment Shell Request (Only 'OneTimeAppt' is supported. 'RecurringAppt' is not currently supported.)
- Delivery Appointment Shell Update Request (Only 'OneTimeAppt' is supported. 'RecurringAppt' is not currently supported.)
- Delivery Appointment Shell Cancel Request (This message is supported by FAST; however, Appointment Shells must be cancelled using the Delivery Appointment Cancellation Request Message.)
- Delivery Content Query Request

Messages Not Supported in TM Spec Version 2.0

- Open Appointment Query Request – Although this message is not currently supported, the FAST online application will support the ability to perform similar searches for a range of dates for a specific Appointment type or a range of Appointment types for a specific date. Please refer to the FAST User Guide for more detail.
- Delivery Appointment Multistop Update Request – See Section 1.3, Additional Rules/Constraints for a further details about supported Multistop functionality.
- Delivery Re-Appointment Request
- Delivery Appointment Status Request
- Delivery Appointment Cancel Create Request

Mail.XML

The Mail.XML version to be released in the Fall of 2008 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.

Mail.XML version 3.0 already supports electronic appointment creation and Cast of Characters By/For functionality for IMB Full Service. XML messages for release 4.0 are in the design process to allow electronic communication of eDoc (payment included), management and dissemination of electronic data across industry, allowing third party updates to eDoc (payment included), appointment, and other business processes in support of IMB basic and full-service initiatives

Mail.XML™ 3.0 Specifications

Messages Supported by the *PostalOne!* System and FAST for Mail.XML 3.0

Content Query Messages

This family of Mail.XML™ messages supports scenarios where a Shipper queries third parties if they have added content and if so, what content has been added. These messages include:

- Delivery Content Query Request
- Delivery Content Query Response

Delivery Appointment Query Messages

This series of messages is used to query possible appointments that are available. The Appointment Query Messages include:

- Delivery Appointment Query Request
- Delivery Appointment Query Response
- Recurring Appointment Query Request (Will be supported)
- Recurring Appointment Query Response (Will be supported)

Delivery Appointment Messages

This series of messages is used to schedule delivery appointments. This message set includes:

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

Appointment Content Messages

This family of Mail.XML™ messages supports scenarios where the *PostalOne!* system sends appointment 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 Appointment Content Create Request
- Delivery Appointment Content Create Response
- Delivery Appointment Content Update Request
- Delivery Appointment Content Update Response
- Delivery Appointment Content Cancellation Request
- Delivery Appointment Content Cancellation Response

Standalone Content Messages

This family of Mail.XML TM messages supports scenarios to create the capability for scheduler A to create “standalone” content via Web Services that can be uniquely identified and later on linked with a standalone appointment created by Scheduler B. Messages include:

- Standalone Content Create Request
- Standalone Content Create Response
- Standalone Content Update Request
- Standalone Content Update Response
- Standalone Content Cancellation Request
- Standalone Content Cancellation Response

Appointment Shell Messages

This family of Mail.XML 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 Closeout Messages

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

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

- Fault
- Appointment Response Retrieval Request
- Appointment Response Retrieval Response

Cast of Characters Messages

- Cast of Characters Create Request (Not FAST related)
- Cast of Characters Create Response (Not FAST related)
- Cast of Characters Update Request (Not FAST related)
- Cast of Characters Update Response (Not FAST related)
- Cast of Characters Cancellation Request (Not FAST related)
- Cast of Characters Cancellation Response (Not FAST related)

Messages that will not be supported by the *PostalOne!* System or FAST for Mail.XML 3.0

Transaction Messaging Groupings

- Pickup Appointment Messages
- Sibling Container Messages
- Appointment Status Messages
- USPS Forecast Messages

Content Cancellation Messages

- Delivery Content Cancellation Request
- Delivery Content Cancellation Response

Delivery Appointment Query Messages

- Open Appointment Query Request
- Open Appointment Query Response
- Partner Appointment Query Request
- Partner Appointment Query Response

Delivery Appointment Messages

- Delivery Appointment Transportation Update Request
- Delivery Appointment Transportation Update Response
- Delivery Appointment MultiStop Update Request
- Delivery Appointment Cancel Create Request
- Delivery Appointment Cancel Create Response
- Delivery Re-Appointment Request

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

Appointment Content Messages

- Delivery Appointment Multiple Content Cancellation Request
- Delivery Appointment Multiple content Cancellation Response

Mail.XML™ 4.0 Change Requests

The following changes currently planned and being discussed for inclusion in Mail.XML version 4.0 Specification. Mail.XML version 4.0 specifications are planned for publication in fall of 2008 and shall be implemented in Spring of 2009 by the industry and USPS. More CRs are still being filed by the industry and USPS to make sure all business processes are covered for the May 2009 implementation. These CRs can be accessed at the IDEAlliance change management web site: <http://pmstage.freecom.at/pmstage/index.php>.

CR #	Business Need	Summary of Changes / Expected Results	Status of data elements and xsd
105	Support piece level detail through TM and not through 3 different specs	Create messages to support communication of piece level data	Need messages around pc level data, data elements and xsd
118	Create Standard xsd to allow the industry to communicate securely in support of authentication and authorization. Industry standard for security	xsd with user name, password and role definitions	Needs possibly 4 more discussions, development of matrix roles/data and security requirements from USPS. Need data elements and xsd
119	Change the Scheduler ID data element to MailOwnerAgentID	modify the xsd to support communication for any business role and any business function	Update field to include multiple identifications
121	Mail owner CRID request/response	Create messages to request mail owner's USSP CRID and MID info	Have data elements, needs xsd
122	Permit number or CRID of mail owner in pc level messaging	Add For/Owner info at the piece level	Have data elements, needs xsd, part of CR #105??
124	Allow Business entity to query USPS to find out if containers are paid	Container barcode, appointment id, job id, provider code, zip +_4, This is in support of the eDropShip process.	Need xsd
125	Allow any business entity to link its appointments with standalone content	Third party/Consolidator scheduling process support	Need xsd
126	Add Move Update method and flag for multiple move update at higher level than piece	Create messages to identify move update methods at the sort level.	Needs more discussion
127	Mail owner CRID request/response	Duplicate - Closed	Have data elements, need xsd
128	Request/response for MID and CRID creation	Create messages for customers to request creation of CRIDs and MIDs through Web Services	Have data elements, need xsd
129	Add mailer id to mailing group data type	Link to CR #107; solve both Add: mailer ID & Barcode Prep Option	Have xsd, need to work solution w/ WWS messages

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130	Create new bundle detail data type and fields for WWS Qual report support in Mail.XML	Link to CR #107; solve both Add Create Mailing Group id field, create customer group id field, create cust id field, create cust bundle id field, create number of pcs field, create pkg zip code field	Have xsd, need to work solution w/ WWS messages
131	Additional fields to Container data type in Qual for WWS for Mail.XML	Add scheduler induction date, Add Mail Owner CRID, Add Mail owner permit field	Have xsd, need to work solution w/ WWS messages
132	Create a new mail pc data batch data type for qual for WWS within Mail.XML	Add Mailing Group id field, customer group id field, customer container id field, customer bundle id field, IMB field range, pc weight, pc rate, pc presort level, mail owner id, machine id, IMB applier, extra service field,	Have xsd, need to work solution w/ WWS messages
133	Create a new mail pc individual data type for qual for WWS	Link to CR #109; See above for fields	Have xsd, need to work solution w/ WWS messages
134	Add mailer id to mailer data type for postage for WWS	Link to CR # 108	Have xsd, need to work solution w/ WWS messages
107	Update WWS schema: mailing group	Update and enhance existing WWS xsd in Mail.XML	Have existing xsd need to add optional block for link to Mail.dat
108	Update WWS schema: postage statement within Mail.XML	Create messaging to convey postage payment	Have existing xsd need to add optional block for link to Mail.dat
109	Update WWS schema: Qual Report for Mail.XML	Create messaging for submission of qual report	Have existing xsd need to add optional block for link to Mail.dat
110	Update WWS schema: PVDS within Mail.XML	Create messaging for 8125 data	Have existing xsd need to add optional block for link to Mail.dat
111	Create WS in TM to support batch and individual mail piece data exchange	Improvement suggested by industry in response to WWS.	Need data element and xsd
112	Create WS in TM to support physical tray and pallet and container data exchange via web services	Improvement suggested by industry in response to WWS.	Need data element and xsd
115	Comments/Notes by industry for suggested enhancements to WWS	Within Mail.XML enhance existing WWS messages, formats, and XML standards.	This needs a sponsor to read through industry requests and submit individual CRs for improvements not covered by current CRS!!!
120	create messages to support spoilage or shortage of pieces from postage statements.	CreatePostageAdjustmentRequest, CreatePostageAdjustmentResponse, UpdatePostalAdjustmentRequest, UpdatePostageAdjustmentRequestResponse, CancelPostageAdjustmentRequest/Response	Have data elements and possible messages, need xsd

135	Create message Support to identify Co-Pal new barcodes moved from old barcodes	Create Request/Response message to notify USPS about the updated barcodes in a Co-Pal process by linking then old barcodes with new ones.	Need XSD
136	Need a way to identify IM MIXED mailing where Basic and Full Service are mixed	Create a Piece level message mimicking PDR data with additional flags for Mixed mailing. This needs to be done at the piece and Presort segmentation level.	Need XSD

1.3 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*

* **NOTE:** Standard/Periodicals Co-Mailings content will be processed by FAST as Standard content. Currently, the *PostalOne!* system does not support Co-Mailing Class "6" due to postage implications. As a result, the *PostalOne!* system will not populate Mail Class "6" from Mail.dat files into the TM Spec because files with that mail class fail validation. A future release will implement support.

Processing Category (processingCategoryType)		
Code	Description	Supported?
LT	Letter	Yes
FL	Flat	Yes
CD	Card	Yes*
PF	Parcel, First-Class Mail	No

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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	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 AvailableAppt 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). For TM Spec 2.0, only Locale Key will be accepted as the Facility Number. For TM Spec 1.1 both drop site key and Locale Key will be supported.
- 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

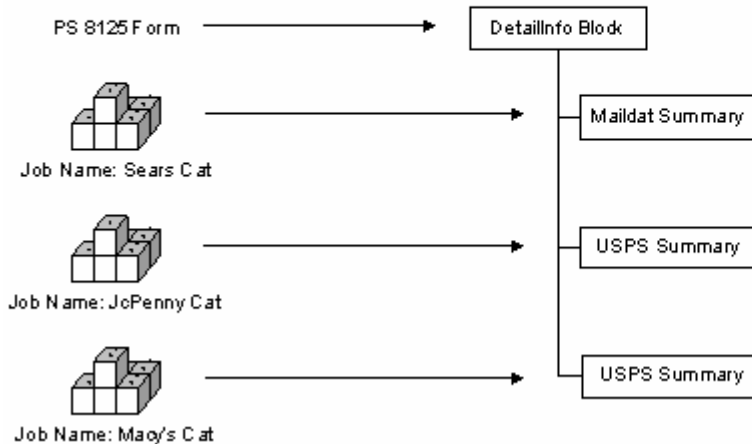
appointment if the appointment has associated content. The `DeliveryApptShellUpdateRequest` may only be used to update the facility for an appointment with no associated content.

- 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 `USPSSummary` or `MaildatSummary` block to represent a mail job .



1.4 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.

1.5 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

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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
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.

<i>PostalOne!</i> – 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
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
	<p>Default Facility: <i>Error Message Format:</i> <CIN Group> are not accepted at this facility. Please create an appointment at <NASS Code – Facility Name>.</p> <p><i>Error Message Example:</i> Standard/Flats are not accepted at this facility. Please create an appointment at 100 – New York.</p> <p>Non-default Facility: <i>Error Message Format:</i> <CIN Group> 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><i>Error Message Example:</i> 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>
3018	
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.

<i>PostalOne!</i> – FAST Additional Return Code Values Supported for TM Spec Version 2.0	
Code	Description
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

<i>PostalOne!</i> – FAST Additional Return Code Values Supported for TM Spec Version 2.0	
Code	Description
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.
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.

1.6 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

<i>PostalOne!</i> – FAST CIN Warnings Supported for TM Spec Version 2.0		
Code	Warning Description Text	Warning Explanation
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.
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.

1.7 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:

Faults	Description
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.

1.8 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:

ApptResponseRetrievalRequest (TM1.1)

```
<maildatTM:ApptResponseRetrievalRequest
xmlns:maildat="http://idealliance.org/maildat/Specs/maildat"xmlns:maildat
TM="http://idealliance.org/maildat/Specs/maildatTM"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://idealliance.org/maildat/Specs/maildatTM
maildat_transport_112404.xsd http://idealliance.org/maildat/Specs/maildat
maildat_base_111604.xsd ">

<maildatTM:ApptResponse maildatTM:TrackingID="1130" />

</maildatTM:ApptResponseRetrievalRequest>
```

ApptResponseRetrievalRequest (TM2.0)

```
<maildatTM:ApptResponseRetrievalRequest

xmlns:maildat="http://idealliance.org/maildat/Specs/md071/tm20/"
xmlns:maildatTM="http://idealliance.org/maildat/Specs/md071/tm20/maildatT
M" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://idealliance.org/maildat/Specs/md071/tm20/maild
atTM

maildat_transport_011907.xsd
http://idealliance.org/maildat/Specs/md071/tm20/ maildat_base_011507.xsd
">

    <maildatTM:ApptResponse maildatTM:TrackingID="1130"/>

</maildatTM:ApptResponseRetrievalRequest>
```

1.9 Appointment Response Retrieval Request Processing

The *PostalOne!* system will generate the response to an *ApptResponseRetrievalRequest* based on the TM Spec version of the Request message. The Response message format has been changed between TM Spec version 1.1 and TM Spec version 2.0.

The *PostalOne!* system will provide the Web Services Users with the capability to re-request the appointment responses using the generated Tracking IDs 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.

1.10 *PostalOne!* WSDL Information

In order to support IDEAlliance TM V2.0 Specification changes and the newly added Appointment messages types, the *PostalOne!* system has updated the WSDL information and created a new WSDL. Mailers are encouraged to use the new WSDL even if they plan to continue sending and receiving web services requests using IDEAlliance TM v1.1, as well as IDEAlliance TM v2.0 Appointment requests. The *PostalOne!* system will continue to support Appointment Messages created using the current published WSDL, which can only support TM 1.1 Appointment messages. Mailers can access and download both versions of the *PostalOne!* WSDL from the following location:

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

1.11 SchedulerContent ID

The *PostalOne!* system (OPS Web services) will generate SchedulerContent ID only if the mailer has set the 'IncludeInSummarizationblock' to 'No'. OPS 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 OPS Web Services. Customer will be informed to use up to 12-digit number if they are populating this information in the appointment message. This is applicable to only TM Spec 2.0 Appointment messages.

1.12 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 TM Specification Version used to create or update the appointment. If the latest TM Specification Version used to create or update the appointment is no longer supported, the lowest supported version will be used for the closeout message. The current lowest supported TM Spec Version is 1.1. For example, if an appointment was created using TM Spec Version 1.1 then updated using TM Spec Version 2.0, the ConsigneeGoodsReceipt will be generated using TM Spec Version 2.0. If an appointment is created/updated using TM Spec Version 1.1 and never updated using TM Spec Version 2.0, the ConsigneeGoodsReceipt will be generated using TM Spec Version 1.1.

Closeout messages for Unscheduled appointments will be generated using the lowest supported TM Spec Version by default. Currently, TM Spec Version 1.1 is the lowest supported TM Spec and will be used to generate all Unscheduled closeout messages.

The *PostalOne!* system will generate the Closeout Response using the same TM Spec Version as the Closeout Request received. A customer who has appointments for both TM Spec 1.1 and TM Spec 2.0 will need to send a separate Closeout Request to retrieve closed appointments for TM Spec 1.1 and TM Spec 2.0.

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.

1.13 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.

1.14 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

1.15 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.

1.16 Possible Future Enhancements

- The UniqueContainerBarcode (UniqueContainerID in TM Spec 1.1) element in the USPS Summary block is optional. Currently the USPS implementation only stores element for display purposes in the FAST Online Application. In a future release, the UniqueContainerBarcode element will be used to provide Scheduler's with full visibility of a specific USPS Summary block.
- The ETA element on the ApptBlockUpdate block will not be used in any way to update the Appointment information. In a future release, the ETA element may be used to update the Appointment information and may potentially impact the Appointment Rating calculation.
- Currently no messages are pushed directly from the Consignee to the Shipper. In a future release, the push model may be implemented.
- In Delivery Appointment Query Response, add multiple AvailableAppt elements in the ApptBlock block.
- Currently the DeliveryApptContentCancelRequest can only be used to cancel a single content. In the future, this message type may be updated to provide functionality to cancel multiple contents within a single request message.
- The DeliveryApptShell message types are capable of being used for recurring appointment series or one-time appointments. Currently FAST only supports this message type for one-time appointments. In the future, the capability to use this message for recurring appointment series may be added.
- The DeliveryApptShellAccept messages currently return the actual appointment date/time in the preferred appointment block in the response message. In the future, this response message type may be updated to have a ScheduledAppt field instead of the preferred and optional appointment fields.
- Currently, both TM Spec Version 1.1 and 2.0 are supported. Once an agreed upon timeframe has passed, TM Spec Version 1.1 will no longer be supported.