

SDC Service Standards

USPS Web Tools™

Application Programming Interface User's Guide

Version 3.1 (07/14/16)



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Introduction to Web Tools

This document contains a Reference Guide to the Service Delivery Calculator Service Commitment APIs. See the Developer's Guide to learn the administrative process for gaining access to the Web Tools APIs as well as the basic mechanism for calling the APIs and processing the results. The Developer's Guide also contains information on testing and trouble-shooting.

Note: The Request Parameter sections present the XML input tags for generating live requests along with the restrictions on the values allowed. An error message will be returned if an incorrect value is entered. Also, be aware of the maximum character amounts allowed for some tags. If the user enters more than those amounts, an error will not be generated. **The Web Tool will simply pass in the characters up to the maximum amount allowed and disregard the rest.** This is important since the resulting value could prevent a correct response.

When building the XML request, pay particular attention to the **order and case** for tags. An error message will be returned if an incorrect value is entered. Remember that all data and attribute values in this document are for illustration purposes and are to be replaced by your actual values. For instance, a line of sample code may be:

```
<DestinationZIP> 12345 </ DestinationZIP >
```

In this instance, you will replace "12345" with the destination zip code for your request.

Before you get started:

For information on registering and getting started with Web Tools, please refer to the [Step-By-Step guide](#) found on the [Technical Documentation](#) section of the Web Tools page on usps.com/webtools.

SDCGetLocations API

Overview

The SDCGetLocations Web Tool lets customers get estimates on delivery standards between 3 or 5 digit zip codes for Priority Mail Express, Priority Mail, First Class Mail, Standard Mail, Periodicals, and Package Services.

The data returned by the SDCGetLocations Web Tool is intended for display only. The content or sequence of the string data returned by the Web Tool may change.

API Signature

Scheme	Host	Path	API	XML
http://	production.shippingapis.com	/ShippingAPI.dll	?API=SDCGetLocations	&XML=(see below)

Request Descriptions

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsRequest	required	API=SDCGetLocations This API returns service commitments for a variety of mail classes.	(group)	
SDCGetLocationsRequest / MailClass	required	Defines mail class for commitment data. <u>Valid Values:</u> "0" = All Mail Classes "1" = Priority Mail Express "2" = Priority Mail "3" = First Class Mail "4" = Standard Mail "5" = Periodicals "6" = Package Services For Example: <MailClass>0</MailClass>	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsRequest / OriginZIP	required	ZIP code must be valid. May be 3, 5, or 9 characters. For example: <OriginZIP>20770</OriginZIP>	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsRequest / DestinationZIP	required	ZIP code must be a valid 5 character zip code. For example: <DestinationZIP>54324</DestinationZIP>	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsRequest / AcceptDate	optional	Date Package will be mailed. Acceptance date may be up to 30 days in advance. Defaults to system date. Enter the date in format: dd-mmm-yyyy. For Example: <AcceptDate>29-Sep-2014</AcceptDate>	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsRequest / AcceptTime	optional	Time package will be accepted at a postal facility. Defaults to system time. Enter the time in format: HHMM For Example: <AcceptTime>1600</AcceptTime>	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest / NonExpeditedDetail	optional	Returns additional detail for Non-Expedited mail classes when 'True.' Default='False' For Example: <NonExpeditedDetail>True</NonExpeditedDetail>	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest / NonExpeditedOriginType	optional	Origin type indicator for non-Expedited shipments: <u>Valid Values:</u> "1" = Local Mail "2" = Destination Entered Mail For Example: <NonExpeditedOriginType>1</NonExpeditedOriginType>	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest / NonExpeditedDestType	optional	Destination type indicator for non-Expedited shipments: <u>Valid Values:</u> "1" = PO-Addressee - Street "2" = PO-Addressee – PO Box "3" = Hold for pickup For Example: <NonExpeditedDestType>1</NonExpeditedDestType>	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest / Weight	optional	Item weight. For future use.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest	required once			(alias)

Sample Request

Test XML Request:

```
<SDCGetLocationsRequest USERID="xxxxxxxxxxxx"
<MailClass>0</MailClass>
<OriginZIP>70601</OriginZIP>
<DestinationZIP>98101</DestinationZIP>
<AcceptDate>01-July-2014</AcceptDate>
<AcceptTime>0900</AcceptTime>
<NonExpeditedDetail>True</NonExpeditedDetail>
<ClientType>8</ClientType>
</SDCGetLocationsRequest>
```

Response Descriptions

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse	required		(group)	
SDCGetLocationsResponse / Release	required	Internal Use Only	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / CallerID	required		string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / SourceID	required		string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / MailClass	required	MailClass from request	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / OriginZIP	required	OriginZIP from request	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / OriginCity	required	Origin City	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / OriginState	required	Origin State	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / DestZIP	required	DestinationZIP from request	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / DestCity	required	Destination City	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / DestState	required	Destination State	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / AcceptDate	required	Acceptance date at postal facility	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / AcceptTime	required	Acceptance time at postal facility	string	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / NonExpeditedOriginType	optional	NonExpeditedOriginType from request <u>Valid Values</u> "1" = Local Mail "2" = Destination Entered Mail	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Weight	optional	Weight from request	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Theater	optional	Holds the two digit theater if the origin or destination is an APO/FPO/DPO location. <u>Valid Theaters:</u> "AA" "AE" "AP"	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited	optional	Groups Priority Mail Express Mail and Priority Mail Commitments and Scheduled Delivery Dates. (appears where applicable: SDCGetLocationsRequest[MailClass='0' or MailClass='1'])	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / EAD	optional	Effective Acceptance Date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Commitment	optional	Groups Priority Mail Express information.	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / MailClass	optional	Mail Class indicator for Priority Mail Express. Value = "1"	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment	optional, repeating up to unbounded times	Groups Priority Mail Express commitment information	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / Expedited / Commitment / CommitmentName	optional	Commitment Name <u>Valid Values:</u> 'Blank' 1-Day 2-Day 3-Day DPO Military	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / CommitmentTime	optional	Commitment Time. Value will only be returned for Priority Mail Express. <u>Valid Values:</u> 1030 1200 1500	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Expedited / Commitment / CommitmentSeq	optional	Commitment Sequence <u>Valid Values:</u> <u>Seq # Service Standard</u> A0110 1-Day at 10:30 AM B0110 1-Day at 10:30 AM HFPU A0112 1-Day at 12:00 PM A0115 1-Day at 3:00 PM B0115 1-Day at 3:00 PM HFPU A0210 2-Day at 10:30 AM A0212 2-Day at 12:00 PM A0215 2-Day at 3:00 PM B0210 2-Day at 10:30 AM HFPU B0215 2-Day at 3:00 PM HFPU	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location	optional, repeating up to unbounded times	Groups drop off location information	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / SDD	optional	Scheduled Delivery Date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / COT	optional	Cut-off Time	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / APOFPODPODlrvyDaysOffset	optional	The number of days delivery was deferred due to additional transportation between an APO/FPO/DPO ZIP Code location and the USPS Gateway Facility.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / PostCET	optional	Indicates if an APO/FPO/DPO mailpiece arrived at the USPS Gateway Facility after the Critical Entry Time (CET).	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / FacType	optional	Facility Type <u>Valid Values:</u> "POST OFFICE" "PRIORITY MAIL EXPRESS COLLECTION BOX" "AIR MAIL FACILITY"	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / Street	optional	Facility Street	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Expedited / Commitment / Location / City	optional	Facility City	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / State	optional	Facility State	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / ZIP	optional	Facility Zip Code	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / IsGuaranteed	optional	Indicates if Guarantee is offered for Priority Mail Express. <u>Valid Values</u> "1" = Guaranteed "2" = No Guarantee "3" = Temporary No Guarantee	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited /	optional	Groups Priority Mail Guarantee information.	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / MailClass	optional	Mail Class indicator for Priority Mail. Value = "2"	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment	optional, repeating up to unbounded times	Groups Priority Mail commitment information	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / Expedited / Commitment / CommitmentName	optional	Commitment Name	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / CommitmentTime	optional	Commitment Time	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Expedited / Commitment / CommitmentSeq	optional	Commitment Sequence <u>Valid Values:</u> <u>Seq # Service Standard</u> C0100 1-Day Street C0200 2-Day Street C0300 3-Day Street D0100 1-Day PO Box D0200 2-Day PO Box D0300 3-Day PO Box E0100 1-Day HFPU E0200 2-Day HFPU E0300 3-Day HFPU	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location	optional, repeating up to unbounded times	Groups drop off location information	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / Expedited / Commitment / Location / SDD	optional	Scheduled Delivery Date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / COT	optional	Cut-off Time	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / USPSGatewayFcilty	optional	The NASS code for the USPS Gateway Facility. Returns if origin or destination is an APO/FPO/DPO location.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / APOFPODPODlvryDaysOffset	optional	The number of days delivery was deferred due to additional transportation between an APO/FPO/DPO ZIP Code location and the USPS Gateway Facility.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / PostCET	optional	Indicates if an APO/FPO/DPO mailpiece arrived at the USPS Gateway Facility after the Critical Entry Time (CET)	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / FacType	optional	Facility Type Valid Values: "POST OFFICE" "PRIORITY MAIL EXPRESS COLLECTION BOX" "AIR MAIL FACILITY"	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Expedited / Commitment / Location / Street	optional	Facility Street	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / City	optional	Facility City	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / State	optional	Facility State	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / ZIP	optional	Facility Zip Code	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / Commitment / Location / IsGuaranteed	optional	Indicates if Guarantee is offered. <u>Valid Values</u> "1" = Guaranteed "2" = No Guarantee "3" = Temporary No Guarantee	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / ExpeditedMessage	optional	Holds a message code value for the customer explaining their delivery date when certain conditions are met: <u>Valid Message Codes</u> "1" = Over 200 Results "1001" = Destination Type not valid for APO/FPO/DPO Zip	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg	optional, repeating up to unbounded times	Groups Priority Mail Express transportation messaging	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg / MsgCode	optional	Priority Mail Express transportation messaging code <u>Valid Message Codes</u> "100" = This is a Military/Embassy specific ZIP Code for an APO/FPO/DPO(Air/Army Post Office, Fleet Post Office or Diplomatic Post Office)	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg /Msg	optional	Priority Mail Express transportation messaging text	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / Expedited / ExpeditedMessage	optional	Holds a message code value for the customer explaining their delivery date when certain conditions are met: <u>Valid Message Codes</u> "1" = Over 200 Results	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg	optional, repeating up to unbounded times	Groups Priority Mail Express transportation messaging	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg / MsgCode	optional	Express Mail transportation messaging code <u>Valid Message Codes</u> "100" = This is a Military/Embassy specific ZIP Code for an APO/FPO/DPO(Air/Army Post Office, Fleet Post Office or Diplomatic Post Office) "101" = The origin and/or destination ZIP code supplied is an APO/FPO/DPO ZIP code. Priority Mail Express is not available.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / Expedited / ExpeditedTransMsg /Msg	optional	Priority Mail Express transportation messaging text	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited	optional	Groups Non-Expedited Mail Class elements (appears where applicable: SDCGetLocationsRequest[MailClass=0]) *Note: If this is a HFPU section then all elements from SDCGetLocationsResponse/NonExpedited/EAD through SDCGetLocationsResponse/NonExpedited/NonExpeditedExceptions/NonExpeditedWTMsg will not be returned.	(group)	minOccurs="0" maxOccurs="unbounded"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / MailClass	optional	Mail Class	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonExpeditedOriginType	optional	Origin Type. <u>Valid Values</u> "1" = Local Mail "2" = Destination Entered Mail	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonExpeditedDestType	optional	Destination Type. <u>Valid Values</u> "1" = PO-Addressee - Street "2" = PO-Addressee - PO Box "3" = HFPU	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / SAM	optional	Space Available Mail Indicator.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / EAD	optional	Effective Acceptance Date.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / COT	optional	Cut-off Time (appears where applicable: SDCGetLocationsRequest[NonExpedited Detail='True'])	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / PostCOT	optional	Indicates "Accept Time" after "COT" on "Accept Date" (appears where applicable: SDCGetLocationsRequest[NonExpedited Detail='True'])	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / SvcStdMsg	optional	Service Standard Message (appears where applicable: SDCGetLocationsRequest[NonExpedited Detail='True'])	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / SvcStdDays	optional	Service Standard Days	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / TotDaysDeliver	optional	Total Days to Deliver (appears where applicable: SDCGetLocationsRequest[NonExpedited Detail='True'])	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / SchedDlvryDate	optional	Scheduled Delivery Date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonDlvryDays	optional	Non-Delivery Days (appears where applicable: SDCGetLocationsRequest[NonExpedited Detail='True'])	string	minOccurs="0"
SDCGetLocationsResponse / NonExpedited / USPSGatewayFcilty	optional	Holds the NASS code for the USPS Gateway Facility. Returns if origin or destination is an APO/FPO/DPO location.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / APOFPODPODlvryDaysOffset	optional	The number of days delivery was deferred due to additional transportation between an APO/FPO/DPO ZIP Code location and the USPS Gateway Facility.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / PostCET	optional	Indicates if an APO/FPO/DPO mailpiece arrived at the USPS Gateway Facility after the Critical Entry Time (CET)	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU	optional, repeating up to one time	Groups HFPU information. If not present then a HFPU Service Standard is not available.	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / EAD	optional	Effective Acceptance Date.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / COT	optional	Cut-off Time.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard	optional, repeating up to one time	Groups HFPU Service Standard Elements	(group)	minOccurs="0" maxOccurs="2"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / SvcStdMsg	optional	Service Standard Message	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / SvcStdDays	optional	Service Standard Days	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location	optional, repeating up to 40 times	Groups HFPU Location information	(group)	minOccurs="0" maxOccurs="40"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / TotDaysDeliver	optional	Total Days to Deliver	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / SchedDlvryDate	optional	Scheduled Delivery Date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonDeliveryDays	optional	Non-Delivery Days	string	minOccurs="0" maxOccurs="40"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / USPSGatewayFcilty	optional	USPS Gateway Facility. Returns if origin or destination is an APO/FPO/DPO location.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / APOFPODPODlvryDaysOffset	optional	The number of days delivery was deferred due to additional transportation between an APO/FPO/DPO ZIP Code location and the USPS Gateway Facility.	string	
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / PostCET	optional	Indicates if an APO/FPO/DPO mailpiece arrived at the USPS Gateway Facility after the Critical Entry Time (CET)	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / RAUName	optional	RAU Name	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / Street	optional	RAU Street Address	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / ZIP	optional	Facility Zip Code	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes	optional	Groups Close times by day of the week for HFPU location	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / M	optional	Close Time for Monday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / Tu	optional	Close Time for Tuesday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / W	optional	Close Time for Wednesday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / Th	optional	Close Time for Thursday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / F	optional	Close Time for Friday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / Sa	optional	Close Time for Saturday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / Su	optional	Close Time for Sunday	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / CloseTimes / H	optional	Close Time for Holiday	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonExpeditedExceptions	optional	Groups HFPU Location Exception Elements	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonExpeditedExceptions / SunHol	optional	Indicates if delivery date is a Sunday or Holiday.	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonExpeditedExceptions / Closed	optional	Indicates if Post Office was closed, impacting deliver date	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonExpeditedExceptions / NonExpeditedMsg	optional	Additional exception messaging <u>Valid Message Codes</u> "00133" = SDD Cannot be Calculated	string	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / City	optional	RAU City	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / State	optional	RAU State	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept	optional	Groups HFPU Exception Elements	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / PostCOT	optional	Indicates if the mailpiece arrived after the Cut-Off Time	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / OverMaxResults	optional	Indicates if more than the number of returned HFPU locations was found	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / NoHFPULocInd	optional	Indicates if there were no locations found in the RAU that support HFPU	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / HFPUGlobalMsg	optional	Additional HFPU exception messaging <u>Valid Message Codes</u> "ECT" = Cut-Off Time was missed	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / NonExpeditedWTMsg	optional	Additional exception messaging <u>Valid Message Codes</u> "00133" = SDD Cannot be Calculated "00135" = SSD lists OD Pair but is missing the Service Standard	string	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / NonExpedited / HFPUGlobalExcept / NonExpeditedTransMsg	optional, repeating up to unbounded times	Groups Non-Expedited Mail transportation messaging	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / NonExpedited / HFPUGlobalExcept / NonExpeditedTransMsg / MsgCode	optional	Non-Expedited Mail transportation messaging code	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / HFPUGlobalExcept / NonExpeditedTransMsg / Msg	optional	Non-Expedited transportation messaging text	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions	optional	Groups Exception Elements (appears where applicable: SDCGetLocationsRequest[NonExpeditedDetail='True'])	(group)	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / SunHol	optional	Indicates if delivery date is a Sunday or Holiday. (appears where applicable: SDCGetLocationsRequest[NonExpeditedDetail='True'])	string	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / NonExpeditedWTMsg	optional	Additional exception messaging <u>Valid Message Codes</u> "00133" = SDD Cannot be Calculated "00135" = SSD lists OD Pair but is missing the Service Standard "1001" = Destination Type not valid for APO/FPO/DPO ZIP (appears where applicable: SDCGetLocationsRequest[NonExpeditedDetail='True'])	string	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / NonExpeditedTransMsg	optional, repeating up to unbounded times	Groups Non-Expedited transportation messaging	(group)	minOccurs="0" maxOccurs="unbounded"
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / NonExpeditedTransMsg / MsgCode	optional	Non-Expedited transportation messaging code	string	minOccurs="0" maxOccurs="1"
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SDCGetLocationsResponse / FDD	optional	FDD Indicator. For Future Use.	string	minOccurs="0" maxOccurs="1"

Sample Requests

Test XML Response:

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        <SchedDlrvyDate>2014-07-08</SchedDlrvyDate>
        <NonDlrvyDays>4</NonDlrvyDays>
        <RAUName>MIDTOWN</RAUName>
        <Street>301 UNION ST</Street>
        <ZIP>981019998</ZIP>
      <CloseTimes>
        <M>1730</M>
        <Tu>1730</Tu>
        <W>1730</W>
        <Th>1730</Th>
        <F>1730</F>
        <Sa>0000</Sa>
        <Su>0000</Su>
        <H>0000</H>
      </CloseTimes>
      <NonExpeditedExceptions>
        <SunHol>1</SunHol>
        <Closed>1</Closed>
      </NonExpeditedExceptions>
    </ServiceStandard>
  </HFPU>
</NonExpedited>

```

```
<City>SEATTLE</City>
<State>WA</State>
</Location>
</ServiceStandard>
</HFPU>
</NonExpedited>
<NonExpedited>
  <MailClass>6</MailClass>
  <NonExpeditedDestType>3</NonExpeditedDestType>
  <HFPU>
    <EAD>2014-07-01</EAD>
    <COT>1700</COT>
    <ServiceStandard>
      <SvcStdMsg>7 Days</SvcStdMsg>
      <SvcStdDays>7</SvcStdDays>
      <Location>
        <TotDaysDeliver>7</TotDaysDeliver>
        <SchedDlrvyDate>2014-07-08</SchedDlrvyDate>
        <NonDlrvyDays>0</NonDlrvyDays>
        <RAUName>MIDTOWN</RAUName>
        <Street>301 UNION ST</Street>
        <ZIP>981019998</ZIP>
        <CloseTimes>
          <M>1730</M>
          <Tu>1730</Tu>
          <W>1730</W>
          <Th>1730</Th>
          <F>1730</F>
          <Sa>0000</Sa>
          <Su>0000</Su>
          <H>0000</H>
        </CloseTimes>
        <City>SEATTLE</City>
        <State>WA</State>
      </Location>
    </ServiceStandard>
  </HFPU>
</NonExpedited>
</SDCGetLocationsResponse>
```

Error Responses

Error conditions are handled at the main XML document level. When parsing, it is best to check for an error document first before checking for good data. Error documents have the following format:

```
<Error>
  <Number></Number>
  <Source></Source>
  <Description></Description>
  <HelpFile></HelpFile>
  <HelpContext></HelpContext>
</Error>
```

Where:

- Number = the error number generated by the Web Tools server.
- Source = the component and interface that generated the error on the Web Tools server.
- Description = the error description.
- HelpFile = [reserved for future use].
- HelpContext = [reserved for future use].

Below is an example for an error that occurred because the destination zip code contained more than 5 positions:

```
<Error>
  <Number>-2147219300</Number>
  <Source>clsSDCGetLocations:Respond</Source>
  <Description>Invalid Destination ZIP Code.</Description>
  <HelpFile></HelpFile>
  <HelpContext></HelpContext>
</Error>
```

If you need assistance with an error response, contact our Internet Customer Care Center uspstechnicalsupport@mailps.custhelp.com.