

Service Delivery Calculator API – Service Standards

USPS Web Tools™

Application Programming Interface

User Guide

Version 3.13 (08/23/2024)



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1.0 Introduction to Web Tools

See the [Developers 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 troubleshooting.

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 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.

1.1 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 Web Tools [Technical Documentation Page](#).

2.0 SDCGetLocations API

2.1 Overview

The SDCGetLocations Web Tools API allows customers to get estimates on delivery standards between 3- or 5-digit Zip Codes for Priority Mail Express, Priority Mail, First Class Mail, Marketing Mail, Periodicals, and Package Services. The data returned by the API is intended for display only. The content or sequence of the string data returned in the API response may change.

2.1.1 API Signature Table

Scheme	Host	Path	API	XML
https://	secure.shippingapis.com	/shippingapi.dll?	API=SDCGetLocations	&XML=(see below)

2.2 Request Descriptions

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsRequest	Required	API=SDCGetLocations	(Alias)	
SDCGetLocationsRequest / USERID	Required	This attribute specifies your Web Tools user ID. See the Developer's Guide for information on obtaining your USERID. For Example: USERID="XXXXXXX"	NMTOKEN	
SDCGetLocationsRequest / PASSWORD	Optional	This attribute specifies your Web Tools password. See the Developer's Guide for information on your Password. For Example: PASSWORD="XXXXXXX"	NMTOKEN	

SDCGetLocationsRequest / MailClass	Required	Defines mail class for commitment data. For example: <MailClass>0<MailClass>	String	minOccurs="1" maxOccurs="1" Enumerations= <ul style="list-style-type: none"> • 0 • 000 • 9000 • 1 • 9001 • 2 • 9002 • 201 • 202 • 203 • 204 • 9204 • 205 • 9205 • 206 • 9206 • 3 • 301 • 302 • 303 • 304 • 304 • 304 • 9304 • 4 • 401 • 402 • 403 • 404 • 5 • 501 • 502 • 6 • 603 • 604 • 605 • 7 • 9007 • 9 • 9009 																																																																					
		<table border="1"> <thead> <tr> <th data-bbox="597 296 764 352">Mail Class Value</th> <th data-bbox="769 296 1123 352">Description</th> </tr> </thead> <tbody> <tr><td>0</td><td>All Mail Classes (1-digit)</td></tr> <tr><td>000</td><td>All Mail Classes (3-digit)</td></tr> <tr><td>9000</td><td>All HAZMAT Mail Classes (4-digit)</td></tr> <tr><td>1</td><td>Priority Mail Express</td></tr> <tr><td>9001</td><td>Priority Mail Express HAZMAT</td></tr> <tr><td>2</td><td>Priority Mail</td></tr> <tr><td>9002</td><td>Priority Mail HAZMAT</td></tr> <tr><td>201</td><td>Priority Mail 1-Day (Deprecated)</td></tr> <tr><td>202</td><td>Priority Mail 2-Day (Deprecated)</td></tr> <tr><td>203</td><td>Priority Mail 3-Day (Deprecated)</td></tr> <tr><td>204</td><td>Priority Mail Military</td></tr> <tr><td>9204</td><td>Priority Mail Military HAZMAT</td></tr> <tr><td>205</td><td>Priority Mail DPO</td></tr> <tr><td>9205</td><td>Priority Mail DPO HAZMAT</td></tr> <tr><td>206</td><td>Priority Mail Offshore</td></tr> <tr><td>9206</td><td>Priority Mail Offshore HAZMAT</td></tr> <tr><td>3</td><td>USPS Ground Advantage (up to 15.999 oz)</td></tr> <tr><td>301</td><td>First-Class Mail Letters</td></tr> <tr><td>302</td><td>First-Class Mail Flats</td></tr> <tr><td>303</td><td>First-Class Mail Cards</td></tr> <tr><td>304</td><td>USPS Ground Advantage (up to 15.999 oz)</td></tr> <tr><td>9304</td><td>USPS Ground Advantage (up to 15.999 oz) HAZMAT</td></tr> <tr><td>4</td><td>Standard Mail</td></tr> <tr><td>401</td><td>Standard Mail Letters</td></tr> <tr><td>402</td><td>Standard Mail Flats</td></tr> <tr><td>403</td><td>Standard Mail Marketing Parcels</td></tr> <tr><td>404</td><td>Standard Mail Simple Samples</td></tr> <tr><td>5</td><td>Periodicals</td></tr> <tr><td>501</td><td>Periodicals</td></tr> <tr><td>502</td><td>Parcel Shaped Periodicals</td></tr> <tr><td>6</td><td>Package Services</td></tr> <tr><td>6</td><td>USPS Ground Advantage, LIVES, Offshore</td></tr> <tr><td>603</td><td>Media Mail</td></tr> <tr><td>604</td><td>Library Mail</td></tr> </tbody> </table>	Mail Class Value	Description	0	All Mail Classes (1-digit)	000	All Mail Classes (3-digit)	9000	All HAZMAT Mail Classes (4-digit)	1	Priority Mail Express	9001	Priority Mail Express HAZMAT	2	Priority Mail	9002	Priority Mail HAZMAT	201	Priority Mail 1-Day (Deprecated)	202	Priority Mail 2-Day (Deprecated)	203	Priority Mail 3-Day (Deprecated)	204	Priority Mail Military	9204	Priority Mail Military HAZMAT	205	Priority Mail DPO	9205	Priority Mail DPO HAZMAT	206	Priority Mail Offshore	9206	Priority Mail Offshore HAZMAT	3	USPS Ground Advantage (up to 15.999 oz)	301	First-Class Mail Letters	302	First-Class Mail Flats	303	First-Class Mail Cards	304	USPS Ground Advantage (up to 15.999 oz)	9304	USPS Ground Advantage (up to 15.999 oz) HAZMAT	4	Standard Mail	401	Standard Mail Letters	402	Standard Mail Flats	403	Standard Mail Marketing Parcels	404	Standard Mail Simple Samples	5	Periodicals	501	Periodicals	502	Parcel Shaped Periodicals	6	Package Services	6	USPS Ground Advantage, LIVES, Offshore	603	Media Mail	604	Library Mail	
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402	Standard Mail Flats																																																																								
403	Standard Mail Marketing Parcels																																																																								
404	Standard Mail Simple Samples																																																																								
5	Periodicals																																																																								
501	Periodicals																																																																								
502	Parcel Shaped Periodicals																																																																								
6	Package Services																																																																								
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603	Media Mail																																																																								
604	Library Mail																																																																								

Tag Name	Occurs	Description	Type	Validation										
		<table border="1"> <tr> <td>605</td> <td>Bound Printed Matter</td> </tr> <tr> <td>7</td> <td>USPS Ground Advantage (1 to 70lbs)</td> </tr> <tr> <td>9007</td> <td>USPS Ground Advantage (1 to 70lbs) HAZMAT</td> </tr> <tr> <td>9</td> <td>USPS Ground Advantage (1 to 70lbs)</td> </tr> <tr> <td>9009</td> <td>USPS Ground Advantage (1 to 70lbs) HAZMAT</td> </tr> </table>	605	Bound Printed Matter	7	USPS Ground Advantage (1 to 70lbs)	9007	USPS Ground Advantage (1 to 70lbs) HAZMAT	9	USPS Ground Advantage (1 to 70lbs)	9009	USPS Ground Advantage (1 to 70lbs) HAZMAT		
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9	USPS Ground Advantage (1 to 70lbs)													
9009	USPS Ground Advantage (1 to 70lbs) HAZMAT													
SDCGetLocationsRequest / OriginZIP	Required	<p>ZIP code must be valid. May be 3, 5, or 9 characters. For example: <OriginZIP>20770</OriginZIP></p>	String	minOccurs="1" maxOccurs="1"										
SDCGetLocationsRequest / DestinationZIP	Required	<p>ZIP code must be a valid 5-character zip code. For example: <DestinationZIP>54324</DestinationZIP></p>	String	minOccurs="1" maxOccurs="1"										
SDCGetLocationsRequest / AcceptDate	Optional	<p>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></p>	String	minOccurs="0" maxOccurs="1"										
SDCGetLocationsRequest / AcceptTime	Optional	<p>Time package will be accepted at a postal facility. Defaults to system time. Default value returned when no value is included in the request will be current time CT. Enter the time in format: HHMM For example: <AcceptTime>1600</AcceptTime></p>	String	minOccurs="0" maxOccurs="1"										
SDCGetLocationsRequest / NonEMDetail	Optional	<p>Returns additional detail for Non-Expedited mail classes when 'True.' Default='False' For example: <NonEMDetail>True</NonEMDetail></p>	String	minOccurs="0" maxOccurs="1"										
SDCGetLocationsRequest / NonEMOriginType	Optional	<p>Origin type indicator for non-Expedited shipments: <u>Valid Values:</u> "1" = Local Mail "2" = Destination Entered Mail For example: <NonEMOriginType>1</NonEMOriginType></p>	String	minOccurs="0" maxOccurs="1" Enumeration • 1 • 2										

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsRequest / NonEMDestType	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: <NonEMDestType>1</NonEMDestType>	String	minOccurs="0" maxOccurs="1" Enumeration • 1 • 2 • 3
SDCGetLocationsRequest / Weight	Optional	Item weight. For future use.	String	minOccurs="0" maxOccurs="1"
SDCGetLocationsRequest	Required once		(Alias)	

2.2.1 Sample Request

```

Request: SDCGetLocations:
<SDCGetLocationsRequest USERID="XXXXXXXXX" PASSWORD="">
<MailClass>0</MailClass>
<OriginZIP>63123</OriginZIP>
<DestinationZIP>20770</DestinationZIP>
<AcceptDate>5/26/2021</AcceptDate>
<AcceptTime>0900</AcceptTime>
<NonEMDetail>True</NonEMDetail>
<NonEMOriginType>1</NonEMOriginType>
<NonEMDestType>1</NonEMDestType>
</SDCGetLocationsRequest>
    
```

2.3 Response Descriptions

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse	Required		(Alias)	
SDCGetLocationsResponse / Release	Required	Release version	String	minOccurs="1" maxOccurs="1"
SDCGetLocationsResponse / CallerID	Required	Caller ID	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"

Tag Name	Occurs	Description	Type	Validation										
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 / Weight	Optional	Weight from request	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 / Expedited / Commitment	Optional, repeating up to unbounded times	Groups Priority Mail Express commitment information	(Group)	minOccurs="0" maxOccurs="unbounded"										
SDCGetLocationsResponse / Expedited / Commitment / MailClass	Optional	Mail Class indicator for Priority Mail Express. Value = "1"	String	minOccurs="0" maxOccurs="1"										
SDCGetLocationsResponse / Expedited / Commitment / CommitmentName	Optional	Commitment Name <u>Valid Values:</u> 1-Day 2-Day 3-Day DPO Military Note: If a scenario exceeds a 3-day commitment then no value will be returned in the response field	String	minOccurs="0" maxOccurs="1" Enumeration= • 1-Day • 2-Day • 3-Day • DPO • Military										
SDCGetLocationsResponse / Expedited / Commitment / CommitmentTime	Optional	Commitment Time. Value will only be returned for Priority Mail Express.	String	minOccurs="0" maxOccurs="1" Enumeration= • 1800										
SDCGetLocationsResponse / Expedited / Commitment / CommitmentSeq	Optional	Commitment Sequence <u>Valid Values:</u> <table border="1" data-bbox="602 1654 1040 1858"> <thead> <tr> <th>Seq #</th> <th>Service Standard</th> </tr> </thead> <tbody> <tr> <td>A0118</td> <td>1-Day at 6:00 PM</td> </tr> <tr> <td>B0118</td> <td>1-Day at 6:00 PM</td> </tr> <tr> <td>A0218</td> <td>2-Day at 6:00 PM</td> </tr> <tr> <td>B0218</td> <td>2-Day at 6:00 PM</td> </tr> </tbody> </table>	Seq #	Service Standard	A0118	1-Day at 6:00 PM	B0118	1-Day at 6:00 PM	A0218	2-Day at 6:00 PM	B0218	2-Day at 6:00 PM	String	minOccurs="0" maxOccurs="1"
Seq #	Service Standard													
A0118	1-Day at 6:00 PM													
B0118	1-Day at 6:00 PM													
A0218	2-Day at 6:00 PM													
B0218	2-Day at 6:00 PM													

Tag Name	Occurs	Description	Type	Validation
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 / FacType	Optional	Facility Type	String	minOccurs="0" maxOccurs="1" Enumeration= <ul style="list-style-type: none"> • POST OFFICE • PRIORITY MAIL EXPRESS COLLECTION BOX • AIR MAIL FACILITY
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 for Priority Mail Express. <u>Valid Values</u> "1" = Guaranteed "2" = No Guarantee "3" = Temporary No Guarantee	String	minOccurs="0" maxOccurs="1"

Tag Name	Occurs	Description	Type	Validation																				
SDCGetLocationsResponse / Expedited / Commitment	Optional, repeating up to unbounded times	Groups Priority Mail commitment information	(Group)	minOccurs="0" maxOccurs="unbounded"																				
SDCGetLocationsResponse / Expedited / Commitment / MailClass	Optional	Mail Class indicator for Priority Mail. Value = "2"	String	minOccurs="0" maxOccurs="1"																				
SDCGetLocationsResponse / Expedited / Commitment / CommitmentName	Optional	Commitment Name	String	minOccurs="0" maxOccurs="1"																				
SDCGetLocationsResponse / Expedited / Commitment / CommitmentTime	Optional	Commitment Time	String	minOccurs="0" maxOccurs="1"																				
SDCGetLocationsResponse / Expedited / Commitment / CommitmentSeq	Optional	Commitment Sequence Valid Values: <table border="1" data-bbox="609 934 1023 1333"> <thead> <tr> <th>Seq #</th> <th>Service Standard</th> </tr> </thead> <tbody> <tr> <td>C0100</td> <td>1-Day Street</td> </tr> <tr> <td>C0200</td> <td>2-Day Street</td> </tr> <tr> <td>C0300</td> <td>3-Day Street</td> </tr> <tr> <td>D0100</td> <td>1-Day PO Box</td> </tr> <tr> <td>D0200</td> <td>2-Day PO Box</td> </tr> <tr> <td>D0300</td> <td>3-Day PO Box</td> </tr> <tr> <td>E0100</td> <td>1-Day HFPU</td> </tr> <tr> <td>E0200</td> <td>2-Day HFPU</td> </tr> <tr> <td>E0300</td> <td>3-Day HFPU</td> </tr> </tbody> </table>	Seq #	Service Standard	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"
Seq #	Service Standard																							
C0100	1-Day Street																							
C0200	2-Day Street																							
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D0300	3-Day PO Box																							
E0100	1-Day HFPU																							
E0200	2-Day HFPU																							
E0300	3-Day HFPU																							
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"																				

Tag Name	Occurs	Description	Type	Validation
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"
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" Enumeration= • 1 • 2 • 3
SDCGetLocationsResponse / Expedited / Commitment / 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" Enumeration= • 1 • 1001
SDCGetLocationsResponse / Expedited / Commitment / ExpeditedTransMsg	Optional, repeating up to unbounded times	Groups Priority Mail Express transportation messaging	(Group)	minOccurs="0" maxOccurs="unbounded"

Tag Name	Occurs	Description	Type	Validation						
SDCGetLocationsResponse / Expedited / Commitment / ExpeditedTransMsg / MsgCode	Optional	Priority Mail Express transportation messaging code <u>Valid Message Codes</u> "TM100" = This is a Military/Embassy specific ZIP Code for an APO/FPO/DPO(Air/Army Post Office, Fleet Post Office or Diplomatic Post Office) "TM103" = Your shipment may be delayed due to transportation issues.	String	minOccurs="0" maxOccurs="1" Enumeration= • TM100 • TM103						
SDCGetLocationsResponse / Expedited / Commitment / ExpeditedTransMsg /Msg	Optional	Priority Mail Express transportation messaging text. For example:<Msg>Your shipment may be delayed due to transportation issues.</Msg>	String	minOccurs="0" maxOccurs="1"						
SDCGetLocationsResponse / NonExpedited	Optional	Groups Non-Expedited Mail Class elements (appears where applicable: SDCGetLocationsRequest[MailClasses=0]) *Note: If this is a Hold for Pickup section then all elements from SDCGetLocationsResponse/NonExpedited/EAD through SDCGetLocationsResponse/NonExpedited/NonExpeditedExceptions/NonExpeditedWTMsg will not be returned.	(Group)	minOccurs="0" maxOccurs="unbounded"						
SDCGetLocationsResponse / NonExpedited / MailClass	Optional	Mail Class.	String	minOccurs="0" maxOccurs="1"						
SDCGetLocationsResponse / NonExpedited / NonExpeditedDestType	Optional	Destination Type. <u>Valid Values</u> <table border="1" data-bbox="602 1392 1036 1528"> <tr> <td>"1"</td> <td>PO-Addressee - Street</td> </tr> <tr> <td>"2"</td> <td>PO-Addressee - PO Box</td> </tr> <tr> <td>"3"</td> <td>HFPU</td> </tr> </table>	"1"	PO-Addressee - Street	"2"	PO-Addressee - PO Box	"3"	HFPU	String	minOccurs="0" maxOccurs="1" Enumeration= • 1 • 2 • 3
"1"	PO-Addressee - Street									
"2"	PO-Addressee - PO Box									
"3"	HFPU									
SDCGetLocationsResponse / NonExpedited / EAD	Optional	Effective Acceptance Date.	String	minOccurs="0" maxOccurs="1"						
SDCGetLocationsResponse / NonExpedited / SvcStdDays	Optional	Service Standard Days.	String	minOccurs="0" maxOccurs="1"						
SDCGetLocationsResponse / NonExpedited / SchedDivryDate	Optional	Scheduled Delivery Date.	String	minOccurs="0" maxOccurs="1"						

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / HFPU	Optional, repeating up to one time	Groups Hold for Pickup 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 Hold for Pickup 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"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location	Optional, repeating up to 40 times	Groups Hold for Pickup Location information.	(Group)	minOccurs="0" maxOccurs="40"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / SchedDlrvyDate	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 / 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 Hold for Pickup 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"
SDCGetLocationsResponse / NonExpedited / HFPU / ServiceStandard / Location / NonExpeditedExceptions	Optional	Groups Hold for Pickup Location Exception Elements.	(Group)	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" Enumeration= • 00133

Tag Name	Occurs	Description	Type	Validation				
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 Hold for Pickup 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 Hold for Pickup 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 Hold for Pickup	String	minOccurs="0" maxOccurs="1"				
SDCGetLocationsResponse / NonExpedited / HFPU / HFPUGlobalExcept / NonExpeditedWTMsg	Optional	Additional exception messaging. <u>Valid Message Codes</u> <table border="1" data-bbox="630 1108 1013 1325"> <tr> <td>00133</td> <td>SDD Cannot be Calculated</td> </tr> <tr> <td>00135</td> <td>SSD lists OD Pair but is missing the Service Standard</td> </tr> </table>	00133	SDD Cannot be Calculated	00135	SSD lists OD Pair but is missing the Service Standard	String	minOccurs="0" maxOccurs="unbounded" Enumeration= <ul style="list-style-type: none"> • 00133 • 00135
00133	SDD Cannot be Calculated							
00135	SSD lists OD Pair but is missing the Service Standard							
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 /	Optional, repeating up to unbounded times	Non-Expedited transportation messaging text.	String	minOccurs="0" maxOccurs="unbounded"				

Tag Name	Occurs	Description	Type	Validation
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / NonExpeditedTransMsg / MsgCode	Optional	Groups Non-Expedited transportation messaging. <u>Valid Message Code</u> "TM103" = Your shipment may be delayed due to transportation issues.	(Group)	minOccurs="0" maxOccurs="1" Enumeration • TM103
SDCGetLocationsResponse / NonExpedited / NonExpeditedExceptions / NonExpeditedTransMsg / Msg	Optional	Non-Expedited transportation messaging code. For example:<Msg>Your shipment may be delayed due to transportation issues.</Msg>	String	minOccurs="0" maxOccurs="1"
SDCGetLocationsResponse	Required		(Alias)	

2.3.1 Sample Response

```

Response: SDCGetLocations:
<SDCGetLocationsResponse>
<Release>2.0</Release>
<CallerID>4</CallerID>
<SourceID>004</SourceID>
<MailClass>0</MailClass>
<OriginZIP>63123</OriginZIP>
<OriginCity>SAINT LOUIS</OriginCity>
<OriginState>MO</OriginState>
<DestZIP>20770</DestZIP>
<DestCity>GREENBELT</DestCity>
<DestState>MD</DestState>
<AcceptDate>2021-05-26</AcceptDate>
<AcceptTime>0900</AcceptTime>
<NonExpeditedOriginType>1</NonExpeditedOriginType>
<Expedited>
<EAD>2021-05-26</EAD>
<Commitment>
<MailClass>1</MailClass>
<CommitmentName>1-Day</CommitmentName>
<CommitmentTime>1800</CommitmentTime>
<CommitmentSeq>A0118</CommitmentSeq>
<Location>
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<COT>1730</COT>
<FacType>POST OFFICE</FacType>
<Street>55 GRASSO PLZ</Street>
<City>SAINT LOUIS</City>
<State>MO</State>
<ZIP>63123</ZIP>
<IsGuaranteed>1</IsGuaranteed>
</Location>
</Commitment>
<Commitment>
<MailClass>2</MailClass>
    
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<CommitmentName>2-Day</CommitmentName>
<CommitmentTime/>
<CommitmentSeq>C0200</CommitmentSeq>
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<COT>1730</COT>
<FacType>POST OFFICE</FacType>
<Street>55 GRASSO PLZ</Street>
<City>SAINT LOUIS</City>
<State>MO</State>
<ZIP>63123</ZIP>
<IsGuaranteed>2</IsGuaranteed>
</Location>
</Commitment>
</Expedited>
<NonExpedited>
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<NonExpeditedDestType>1</NonExpeditedDestType>
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<COT>1730</COT>
<SvcStdMsg>3 Days</SvcStdMsg>
<SvcStdDays>3</SvcStdDays>
<SchedDlvryDate>2021-05-29</SchedDlvryDate>
</NonExpedited>
<NonExpedited>
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<NonExpeditedDestType>1</NonExpeditedDestType>
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<COT>1730</COT>
<SvcStdMsg>7 Days</SvcStdMsg>
<SvcStdDays>7</SvcStdDays>
<SchedDlvryDate>2021-06-03</SchedDlvryDate>
</NonExpedited>
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<NonExpeditedDestType>1</NonExpeditedDestType>
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<COT>1730</COT>
<SvcStdMsg>4 Days</SvcStdMsg>
<SvcStdDays>4</SvcStdDays>
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</NonExpedited>
<NonExpedited>
<MailClass>6</MailClass>
<NonExpeditedDestType>1</NonExpeditedDestType>
<EAD>2021-05-26</EAD>
<COT>1730</COT>
<SvcStdMsg>6 Days</SvcStdMsg>
<SvcStdDays>6</SvcStdDays>
<SchedDlvryDate>2021-06-02</SchedDlvryDate>
</NonExpedited>
</SDCGetLocationsResponse>

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