



Development Testing Aid 1.9.0

Confidential

Revision Notes

Revision	Date	Change Description
1.0.0	04/23/2009	Version 1.0 Created.
1.2.0	04/24/2010	Addition of pickup, consolidation, and shipment manifest test cases.
1.3.0	06/27/2010	Addition of Textile and Manufacturer ID for US shipments.
1.4.0	10/04/2010	Addition of Shipment Date for Create and Validate Shipment, Full Estimate, and Get Service Options.
1.5.0	07/08/2011	Addition of Mode of transport for pickup service.
1.6.0	07/07/2014	Update to the introduction. Re-named document.
1.7.0	02/22/2016	Addition of Locator services
1.8.0	07/07/2017	Addition of Special Handling Test Cases in 6.2, 6.4, 6.6. Addition of details about Special Handling and Dangerous Goods in Section 6. Test Cases
1.9.0	May 29, 2018	Minor improvements to presentation in document.
1.9.0	May 29, 2018	Section 6.4 Shipping - Added new Test Case 9.5 (Create a domestic shipment with a Blind Shipping / On Label address)
1.9.0	May 29, 2018	Section 6.4 Shipping – Numerous corrections to align with test file: <ul style="list-style-type: none"> • Pre-existing Test Case 9.4 changed to New Test Case 10 • Pre-existing Test Case 10 changed to New Test Case 11 • Pre-existing Test Case 11 changed to New Test Case 12 • Pre-existing Test Case 12 changed to New Test Case 13 • Pre-existing Test Case 13 changed to New Test Case 14 • Pre-existing Test Case 14 changed to New Test Case 16 • Pre-existing Test Case 15.1 changed to New Test Case 16.1 • New Test Case 16.1 - corrected from "International" to "US" shipments. • Pre-existing Test Case 15.2 changed to New Test Case 16.2 • Pre-existing Test Case 15.3 changed to New Test Case 17

Table of Contents

1	Introduction.....	5
2	Document Overview	6
3	Objective.....	6
4	Purolator E-Ship Web Services Development Process	7
5	Test Execution.....	9
6	Test Cases	10
6.1	Tracking service	13
6.2	Estimating.....	14
6.3	Service Availability	18
6.4	Shipping.....	22
6.5	Shipping Documents	28
6.6	Returns Management.....	30
6.7	Pickup.....	31
6.8	Locator.....	34

Legal and Copyright Notices

This document, and the information contained herein, is confidential and proprietary to Purolator Inc., and its use is governed by the Purolator E-Ship® Resource Centre Agreement or the Purolator E-Ship® Web Services Soft Launch Agreement (as applicable). In the event of a conflict between this document and the Purolator E-Ship Resource Centre Agreement or the Purolator E-Ship Web Services Soft Launch Agreement (as applicable), the Purolator E-Ship Resource Centre Agreement or the Purolator E-Ship Web Services Soft Launch Agreement (as applicable) will govern to the extent of the inconsistency.

The information in this documentation may be changed at any time without notice. If you have gained access to this document without first agreeing to the Purolator E-Ship Resource Centre Agreement or the Purolator E-Ship Web Services Soft Launch Agreement (as applicable) you must cease using this document immediately and destroy any copies obtained.

© 2018 Purolator Inc., Purolator and the Purolator logo are trademarks of Purolator Inc. All rights reserved.

1 Introduction

To help you integrate Purolator E-Ship Web Services into your website or application, Purolator provides technical documentation and sample code for each Web Service. The documents include detailed technical information for each Web Service and detail Purolator's service offerings.

Additional information and support is available on the

- Purolator EShip Developer Forum <http://www.purolatorwebservices.com>,
- E-Ship Web Services Wiki <http://www.purolatorwebservices.com/wiki2>,
- And through the Support section of the E-Ship Resource Centre <http://www.purolator.com/eship>.

The following documents can be downloaded in the Documentation and Sample Code section.

Introduction

Introduction to Purolator E-Ship Web Services

Service Availability Web Service

Validate origin and destination addresses and receive all available Purolator services, products, options and associated rules.

Estimates Web Service

Receive estimates based on origin and destination addresses as well as package and service inputs. Estimates are available as quick estimates using list prices or detailed estimates for customers with negotiated pricing.

Shipping Web Service

Create domestic, U.S. and International shipments. Please note that shipping labels and documents are created using the Get Documents Web Service.

Returns Management Web Service

Create domestic Returns Management shipments. Please note that shipping labels and documents are created using the Get Documents Web Service.

Get Documents Web Service

Retrieve shipment labels and documentation for shipments.

Tracking Web Service

Get detailed tracking information in real-time using a Purolator PIN / tracking number or shipment reference.

Pickup Web Service

Schedule, modify, validate and void pickups. View your pickup history and upcoming pickups.

Locator Web Service

Locate using Address, Coordinates, City, Point of Interest and Postal code.

Development Testing Aid (Formally known as Soap UI Project File)

Example use cases and sample results for all Purolator E-Ship Web Services.

Certification

Guidelines to help ensure your Purolator E-Ship Web Services integration is ready to promote into Purolator's production environment.

Security Options (if applicable)

Security options available for your Purolator E-Ship Web Services implementation. This document will be provided when you are ready to take your website or application into Purolator's production environment. The availability of this document will depend on the type of web service integration you are executing.

2 Document Overview

This document is intended for developers, testers and individuals who are integrating Purolator E-Ship Web Services within their applications. This document describes example test cases and sample results for testing your shipping application with Purolator E-Ship Web Services.

These represent the most common shipping scenarios and can be used by testers to quickly generate data, like shipments and tracking requests. Test cases are provided for every Purolator Web Service and are not exhaustive. Many other scenarios are possible and can easily be derived based on the information contained within this document.

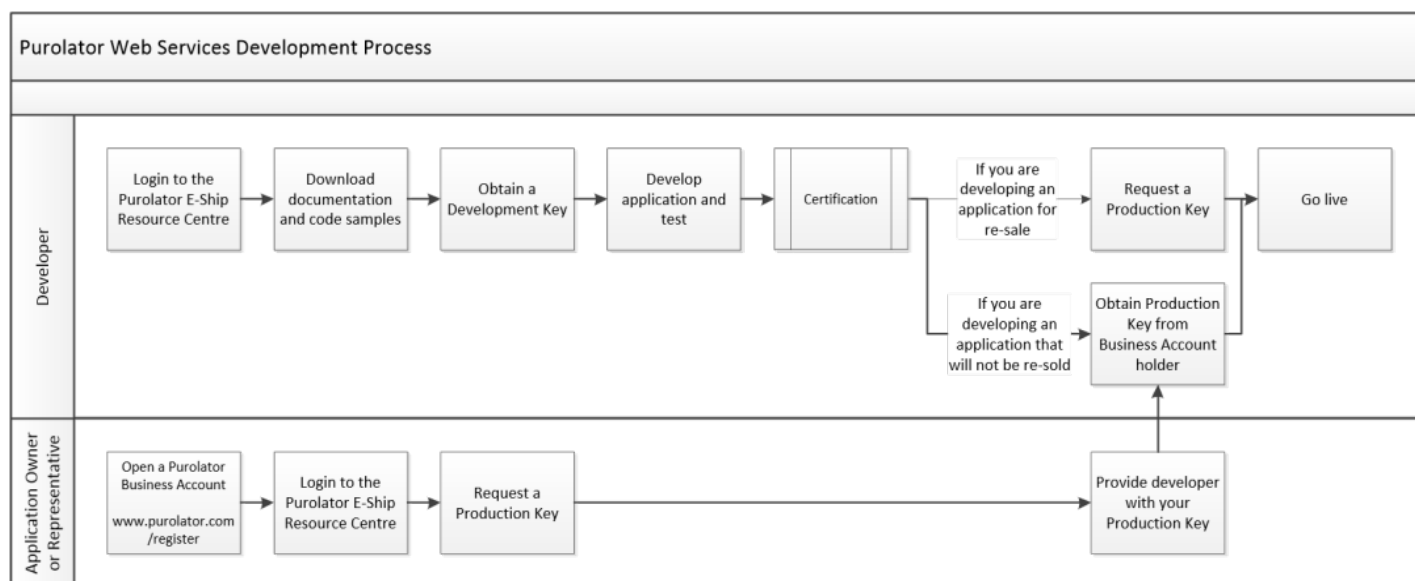
It is strongly recommended that the developer take steps to formally test their application - this ensures quality, ease of use and allows for a seamless user experience.

3 Objective

The objective of this document is to provide testers and developers with an overview for testing with Purolator E-Ship Web Services.

4 Purolator E-Ship Web Services Development Process

To integrate Purolator E-Ship Web Services within your application, follow the steps outlined below.



Web Services Developer Process

Follow these steps if you're a developer that will be integrating Purolator E-Ship Web Services.

Step 1: **Download Documentation and Code Samples**

View code samples and documentation for the Purolator E-Ship Web Service(s) you will be using.

Documentation and sample code, such as WSDL, is available in the Documentation and Sample Code section of the E-Ship Resource Centre at www.purolator.com/eship.

Step 2: **Obtain a Development Key**

Obtain a Development Key. This will allow you to test your code in the Purolator E-Ship Test Environment.

Note: Your Development Key, password, and test account number will be used to access the development environment.

Step 3: **Develop**

Develop your application using the code samples and documentation.

Step 4: **Test**

Test your application in the Purolator E-Ship Test Environment. Data in the Test Environment is sample data and should be used for testing purposes only.

Step 5: Certification

Based on qualification criteria, some applications may be required to go through Certification before moving to production. A Purolator representative will inform you of whether your application will be required to complete this step. Certification documentation is available in the Documentation and Sample Code section.

Step 6: Request a Production Key

Request a Production Key once your development and testing are complete. You will receive an inactive Production Key until we review your request.

If you're integrating Purolator E-Ship Web Services into an application that won't be re-sold, the Purolator Business Account holder must request the Production Key.

Replace the Development Key with the Production Key, and replace the development WSDL with the production WSDL. The Production Key will allow you to access account-specific shipping, tracking, estimates and returns information. Once activated, you will then be ready to use Purolator E-Ship Web Services.

Note: Your Production Key, password, and account number will be used to access the production environment.

Application Owner or Representative Process

Follow these steps if you have development resources and want to integrate Purolator E-Ship Web Services into your website or application that won't be re-sold.

Step 1: Open a Purolator Business Account

If you do not already have a Purolator Business Account, please visit www.purolator.com/register to get started.

Step 2: Request a Production Key

Login to the Purolator E-Ship Resource Centre and request a Production Key. The Production Key will allow you to access shipping, tracking, estimates and returns information specific to your Purolator Business Account.

You will receive an inactive Production Key until we review your request. A Purolator representative may contact you for security purposes before your Production Key is activated. Optional security features are available through consultation with Purolator.

Step 3: Provide your developer with the Production Key

Ask your developer to replace their Development Key with your Production Key. You will then be ready to use Purolator E-Ship Web Services.

5 Test Execution

Testing is a self-guided process. Testing is to be organized and executed by the developer using timelines, strategies and methods relevant to the developer, organization and application. Purolator strongly recommends that formal testing be conducted and may inspect and recommend that additional testing be conducted.

Purolator offers its Purolator E-Ship Web Services test environment for testing purposes. This environment can be used for as long as necessary, including testing future changes after you go live. Access to this environment requires a development key, test account number and password. Test execution can begin once the development key, test account and password have been obtained and application development has been completed.

Not all test cases described in this document may be relevant to your application as this document lists example test cases for all Purolator E-Ship Web Services. You may select the scenarios that are to be used by your application. For example, if your application utilizes Tracking Web Services then select 'Tracking' test cases.

These documented test cases represent the most common shipping scenarios and are not to be considered exhaustive. Should your application have different needs then it is acceptable to create your own test criteria. For example, if your application focuses more on a specific service or mode of transport then you may need to create test cases based on the examples already provided.

It should be noted that Purolator support for your application development will be directed to your efforts in the test environment. If you have any questions or testing concerns please contact us through the Support section of the E-Ship Resource Centre at <http://www.purolator.com/eship> and reference the test case number you are working with.

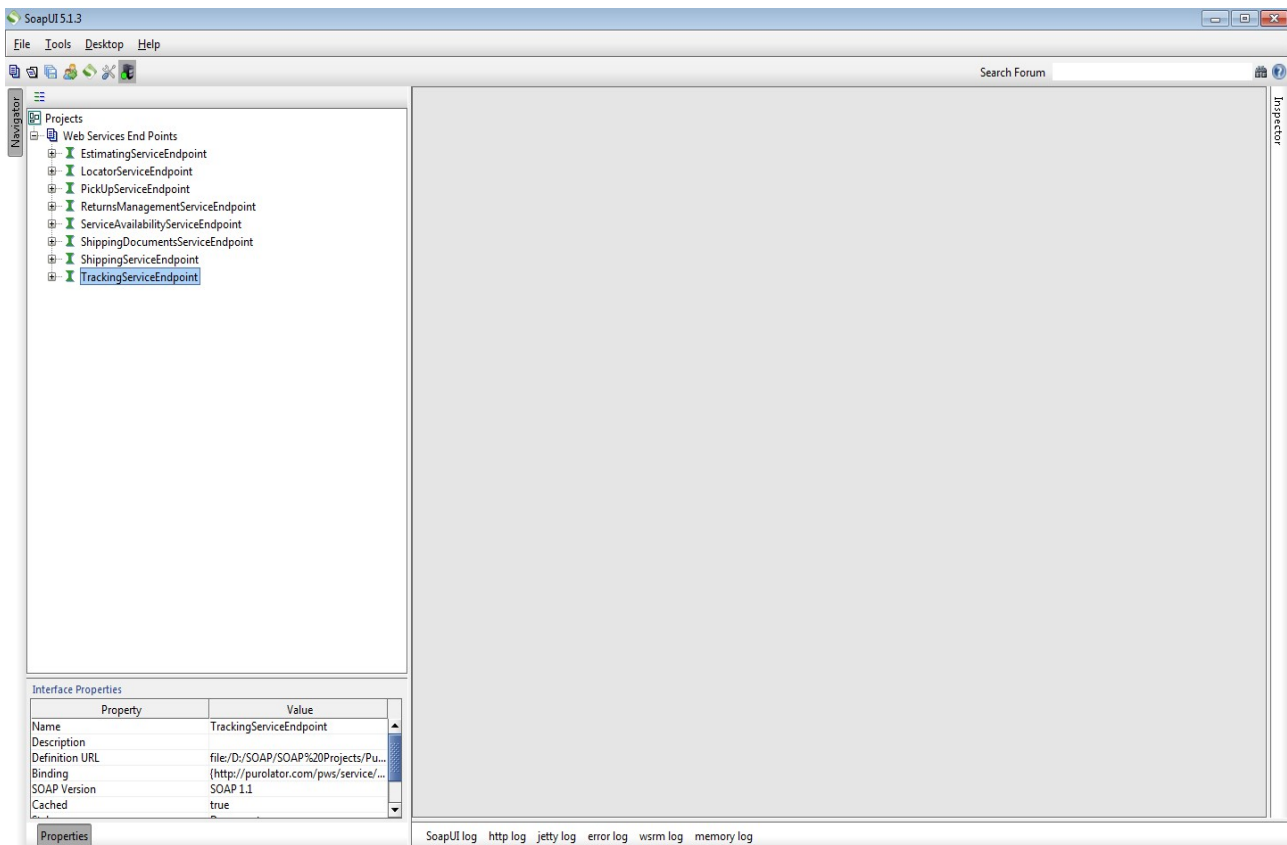
6 Test Cases

The test cases listed in the section below provide the general test case descriptions, and input parameters for the associated service method.

Included with this document is an XML testing project which can be imported into SOAP UI. The XML testing project contains all the scenarios listed below pre-formatted in XML to further assist the debugging of your application. This will display the correct XML requests and responses that will assist in isolating problem areas that may be encountered in the testing phase of your application development process.

To use SOAP UI go to <http://www.soapui.org> and download and install the free SOAP UI testing application. Once the application is installed, launch SOAP UI and select File > Import Project and select the XML file included with this document.

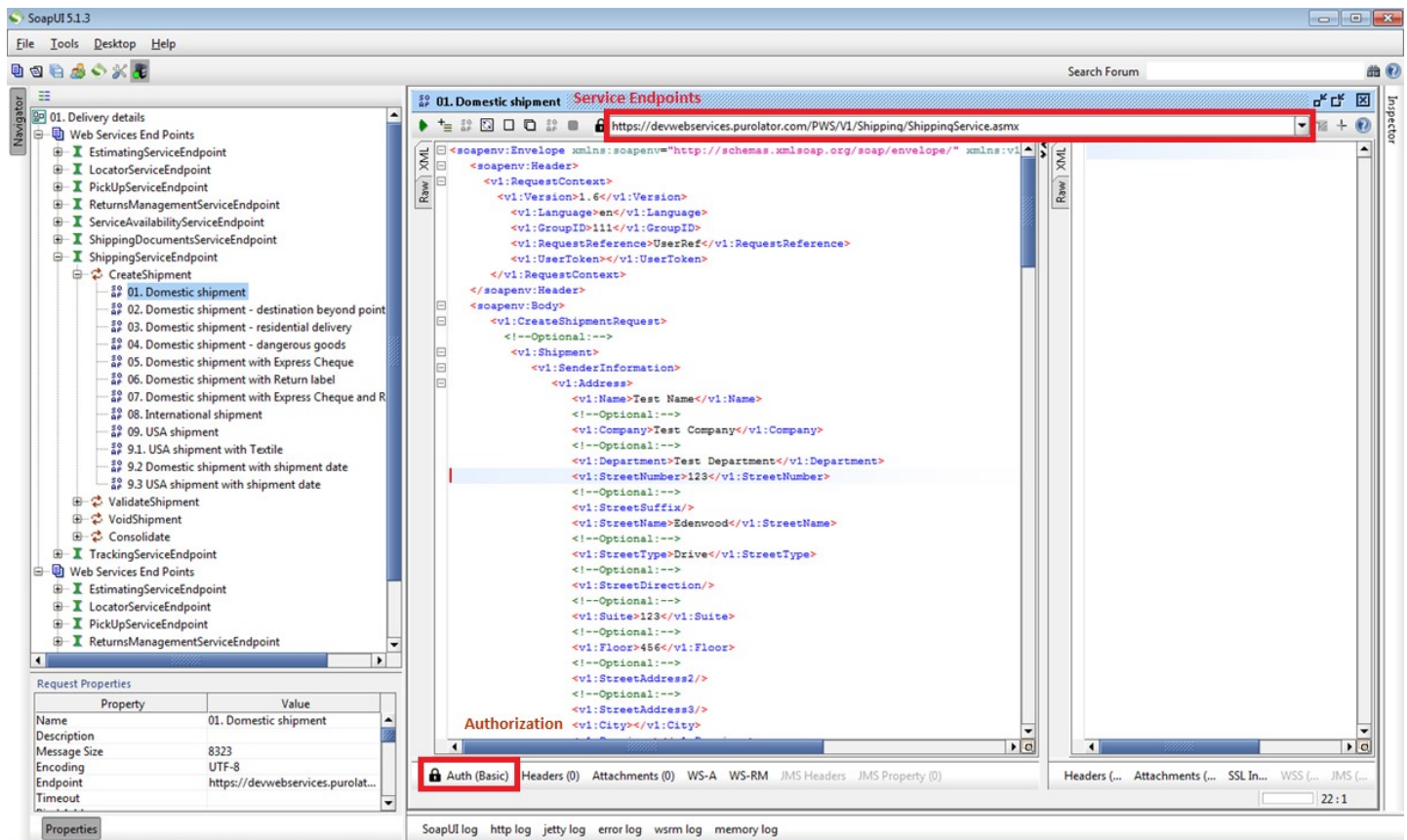
Once the project is loaded, you will see all the services listed as per the screen shot listed below:



Expand the service you wish to test, and double click the transaction you wish to execute. This will open a new window in the SOAP UI workspace.

Within this window, you will need to select the service endpoint, and enter the authorization information that was provided (Development key is the username). The screen shot below depicts where these elements are located.

It is strongly recommended that the Purolator E-Ship test environment endpoint be used for testing. If you use the production environment, be advised that any shipments that are created and are not voided will be invoiced as normal. In addition, any service threshold restrictions will be in effect.



Lastly, modify the input information as described in the test case scenarios listed in the section below, and click the green arrow to submit your requests to the Purolator E-Ship environment.

The screenshot displays the SoapUI 5.1.3 application window. The main area shows a SOAP request for the '01. Domestic shipment' endpoint. The request is in XML format, with the body containing a 'CreateShipmentRequest' element. The 'SenderInformation' element includes fields for Name, Company, Department, StreetNumber, StreetName, StreetType, Suite, Floor, and City. The 'RequestContext' element includes Version, Language, GroupID, RequestReference, and UserToken. The 'Request Properties' table at the bottom left shows the following details:

Property	Value
Name	01. Domestic shipment
Description	
Message Size	8323
Encoding	UTF-8
Endpoint	https://devwebservices.purolator.com/PWS/V1/Shipping/ShippingService.asmx
Timeout	
Bind Address	
Follow Redirects	true

The bottom status bar shows various logs: SoapUI log, http log, jetty log, error log, wsrm log, and memory log. The bottom right corner displays the time 10:21.

6.1 Tracking service

Tracking requests will provide a static response regardless of the PIN provided.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
TrackPackagesByPIN	1	Inquire on the status of a shipment package by submitting PIN to Purolator E-Ship Web Services.	Enter the following information: PIN: any numeric combination	Tracking Details are displayed. <i>All available scans are returned.</i>
	2	Inquire on the status of a shipment package by submitting multiple PIN to Purolator E-Ship Web Services.	Enter the following information: PINs: list of any numeric combination	Tracking Details are displayed. <i>All available scans are returned.</i>
TrackPackagesByReference	3	Inquire on the status of a shipment by submitting a tracking reference.	Enter the following information: Reference: user reference	Tracking Details are displayed. <i>All available scans are returned.</i>
GetDeliveryDetails	4	Inquire on the status of a delivered shipment by submitting PIN to Purolator E-Ship Web Services.	Enter the following information: PIN: any numeric combination	Tracking Details are displayed along with <i>Proof of Delivery, Delivery Address and Package/ Service Information.</i>

6.2 Estimating

For test cases in the table below you need to substitute the **SenderInformation** with your registered address, the **ReceiverInformation** with any domestic address and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
GetQuickEstimate	1	Obtain a QuickRate estimate for a regular domestic shipment	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided.
	2	Obtain a QuickRate estimate for an International shipment.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: international address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided.
	3	Obtain a QuickRate estimate for a US shipment.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided.
GetFullEstimate	4	Obtain an estimate for a domestic shipment.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided.
	5	Obtain an estimate for a domestic shipment to a Beyond Point Destination.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: NAPPAN, NOVA SCOTIA, B0L 1C0 RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	6	Obtain an estimate for a domestic shipment where the destination is residential service point.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: EDMONTON, AB, T5A 0A9 RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment cost estimate provided including MultiPiece surcharge and Residential Delivery surcharge.
	7	Obtain an estimate for a domestic shipment with Dangerous Goods.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number PackageType – Customer Packaging Serviceld – Purolator Express Dangerous Goods option selected. Dangerous Goods charges are applied based on the Dangerous Goods Classification.	Shipment cost estimate provided including a Dangerous Goods surcharge.
	8	Obtain an estimate for a domestic shipment with the ExpressCheque option selected.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number ExpressCheque option selected	Shipment cost estimate provided including an ExpressCheque surcharge.
	9	Obtain an estimate for a domestic shipment with a Return label.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Enter the following shipment information for return shipment: SenderInformation: registered location city / province / postal code	Shipment cost estimate provided.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	10	Obtain an estimate for a domestic shipment with Express Cheque and Return label.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number ExpressCheque option selected</p> <p>Enter the following shipment information for return shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment cost estimate provided.
	11	Obtain an estimate for an International shipment.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: international address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment cost estimate provided.
	12	Obtain an estimate for a US shipment.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment cost estimate provided.
	12.1	Obtain an estimate for a US shipment with Textile	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment cost estimate is provided

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	12.2	Obtain an estimate for a Domestic shipment with shipment date	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYY-mm-dd.</p>	Shipment cost estimate is provided.
	12.3	Obtain an estimate for a Domestic shipment with Special Handling enabled - Flat Package	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number SpecialHandling = TRUE, SpecialHandlingType = FlatPackage Valid values are: FlatPackage, AdditionalHandling, Oversized, ResidentialAreaHeavyweight, LargePackage.</p>	Shipment cost estimate is provided.

6.3 Service Availability

For test cases in the table below you need to substitute the **SenderInformation** with your registered address, the **ReceiverInformation** with any domestic address and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
ValidateCityPostalCodeZIP	1	Validate that a domestic address is correct.(wrong city name)	Enter the following information: City: Etobicoke Province: ON Country: CA PostalCode: L5R 3T8.	An error message is returned. Suggestions for a correct city name returned.
	2	Validate that a domestic address is correct.(wrong province name)	Enter the following information: City: Mississauga Province: BC Country: CA PostalCode: L5R 3T8	An error message is returned. Suggestions for a correct province returned.
	3	Validate that a US address is correct (wrong state name)	Enter the following information: City: New York State: CA Country: US Zip: 10006	An error message is returned. Suggestions for a correct US address returned.
	4	Validate that a US address is correct (wrong City and State name)	Enter the following information: City: New York State: NY Country: US Zip: 20010	An error message is returned. Suggestions for a correct US address returned.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
GetServicesOptions	5	Find all available services for a domestic destination.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: :</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Service ID Description Package Type PackageTypeDescription Options: Option ID Description, Value Type (Type, Maximum, Minimum) AvailableFor Pieces Possible Values ChildServiceOption</p>
	6	Find all available services for a US destination	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAcctountNumber : 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Service ID Description Package Type PackageTypeDescription Options: Option ID Description, Value Type (Type, Maximum, Minimum) AvailableFor Pieces Possible Values ChildServiceOptions</p>
	7	Find all available services for an International destination	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: international address RegisteredAcctountNumber : 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Service ID Description Package Type PackageTypeDescription Options: Option ID Description, Value Type (Type, Maximum, Minimum) AvailableFor Pieces Possible Values ChildServiceOptions</p>

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	7.1	Find all available services for a domestic destination with shipment date.	<p>Enter the following information:</p> <p>SenderInformation: Registered location city / province / postal code ReceiverInformation: domestic address RegisteredAcctountNumber : 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYYmm-dd.</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Service ID Description Package Type PackageTypeDescription Options: Option ID Description, Value Type (Type, Maximum, Minimum) AvailableFor Pieces Possible Values ChildServiceOptions</p>
	7.2	Find all available services for a domestic destination (Special Handling)	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAcctountNumber : 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYY-mm-dd.</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Service ID Description Package Type PackageTypeDescription Options: Option ID Description, Value Type (Type ,Maximum, Minimum) AvailableForPieces PossibleValuesChildService Options and Special Handling types</p>
GetServiceRules	8	Find all available services for a domestic destination. The returned services should include min/ max values and mutually inclusive/ exclusive characteristics.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAcctountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	<p>Purolator E-Ship Web Services returns the following information:</p> <p>Available Products with service rules. Available Options values and Exclusions</p>

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	9	Find all available services for an US destination. The returned services should include min/max values and mutually inclusive/exclusive characteristics.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Purolator E-Ship Web Services returns the following information: Available Products with service rules. Available Options values and Exclusions
	10	Find all available services for an International destination. The returned services should include min/max values and mutually inclusive/exclusive characteristics.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: international address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Purolator E-Ship Web Services returns the following information: Available Products with service rules. Available Options values and Exclusions
	11	Find all available services for a domestic destination. The returned services should include min/max values and mutually inclusive/exclusive characteristics.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Purolator E-Ship Web Services returns the following information: 1) Available Products with service rules. 2) Available Options values and Exclusions Includes Special Handling

6.4 Shipping

For test cases in the table below you need to substitute the **SenderInformation** with your registered address, the **ReceiverInformation** with any domestic address and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
CreateShipment	1	Create a domestic shipment.	Enter the following information: SenderInformation: registered location city / province / postalcode ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	2	Create a domestic shipment to a Beyond Point destination.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: NAPPAN, NOVA SCOTIA, B0L 1C0 RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	3	Create a domestic shipment where the destination is a residential service point.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: EDMONTON, AB, T5A0A9 RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	4	Create a domestic shipment with Dangerous Goods.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number PackageType: Customer Packaging Serviceld: Purolator Express TotalPieces: 1 TotalWeight: = 10 LB DG – Ground - Fully Regulated	Shipment is created, and PIN number is returned

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	5	Create a domestic with the ExpressCheque option selected.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>ExpressCheque option selected.</p>	Shipment is created, and PIN number is returned
	6	Create a domestic shipment with a Return label.	<p>Enter the following shipment information for outbound shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Enter the following shipment information for return shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is created, and PIN number is returned
	7	Create a domestic shipment with Express Cheque and Return label.	<p>Enter the following shipment information for outbound shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Express Cheque selected</p> <p>Enter the following shipment information for return shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is created, and PIN number is returned

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	8	Create an International shipment.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: international address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	9	Create a US shipment.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	9.1	Create a US shipment w/ Textile.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is created, and PIN number is returned
	9.2	Domestic shipment with shipment date	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYY-mm-dd.	Shipment is created successfully and PIN is returned
	9.3	US shipment with shipment date	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYY-mm-dd.	Shipment is created successfully and PIN is returned.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	9.5	Create a domestic shipment with a Blind Shipping / On Label address	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address FromOnLabelIndicator = TRUE FromOnLabelInformation: domestic address, different than the Sender Information RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	<p>Shipment is created, and PIN number is returned</p> <p>Production label will display the Blind / On Label address as the FROM address</p>
	10	Create a domestic shipment with Special Handling enabled – Flat Package	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number SpecialHandling = TRUE, SpecialHandlingType = FlatPackage</p> <p>Valid values are: FlatPackage, AdditionalHandling, Oversized, ResidentialAreaHeavyweight, LargePackage.</p>	Shipment is created, and PIN is returned.
ValidateShipment	11	Validate a domestic shipment.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is validated successfully.
	12	Validate a domestic shipment with Return label	<p>Enter the following shipment information for outbound shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Enter the following shipment information for return shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is validated successfully.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	13	Validate a domestic shipment with Express Cheque	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>ExpressCheque option selected</p>	Shipment is validated successfully.
	14	Validate a domestic shipment with Return label and Express Cheque	<p>Enter the following shipment information for outbound shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number ExpressCheque selected</p> <p>Enter the following shipment information for return shipment:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is validated successfully.
	15	Validate an International shipment.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: International address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is validated successfully.
	16	Validate a US shipment.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p>	Shipment is validated successfully.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	16.1	Validate an US shipment w/ Textile.	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Shipment is validated successfully.
	16.2	Validate domestic shipment	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number Shipment Date: Date of shipment, up to maximum, 10 days in the future, in the format YYYY-mm-dd.	Shipment is validated successfully.
	17	Validate a domestic shipment with Special Handling enabled – Flat Package	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number SpecialHandling = TRUE, SpecialHandlingType = FlatPackage Valid values are: FlatPackage, AdditionalHandling, Oversized, ResidentialAreaHeavyweight, LargePackage.	Shipment is validated successfully.
VoidShipment	18	Void a shipment previously created.	1. Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number 2. Use the PIN returned in the previous step to void the shipment through the VoidShipment method.	Shipment has been voided.
Consolidate	19	Consolidate Shipments for the day.	Send an empty container to request and on demand consolidation.	Consolidate flag is set to True.

6.5 Shipping Documents

For test cases in the table below you need to substitute the **SenderInformation** with your registered address, the **ReceiverInformation** with any domestic address and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
GetDocuments	1	Obtain a Domestic Bill of Lading.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Use the PIN returned in the previous step to create a Domestic Bill of Lading using the DomesticBillOfLading document type.</p>	Web Services returns an HTTP link to retrieve a Domestic Bill of Lading.
	2	Obtain a Domestic Thermal Bill of Lading.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Use the PIN returned in the previous step to create a Domestic Bill of Lading using the DomesticBillOfLadingThermal document type.</p>	Web Services returns an HTTP link to retrieve a Thermal Domestic Bill of Lading.
	3	Obtain an International Bill of Lading.	<p>1. Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: International address</p>	Web Services returns an HTTP link to retrieve an International Bill of Lading.
	4	Obtain an US Bill of Lading.	<p>Enter the following information:</p> <p>SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Use the PIN returned in the previous step to create an International Bill of Lading using the InternationalBillOfLading document type.</p>	Web Services returns an HTTP link to retrieve an International Bill of Lading.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	5	Obtain Dangerous Goods Declaration.	<p>1. Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>PackageType: Customer Packaging Serviceld: Purolator Express DangerousGoods: True DangerousGoodsMode: Ground DangerousGoodsClass: Fully Regulated DangerousGoodsDeclarationDocumentIndicator : Yes</p> <p>2. Use the PIN returned in the previous step to create a Dangerous Goods Declaration using the DangerousGoodsDeclaration document type.</p>	Web Services returns an HTTP link to retrieve a Dangerous Goods Declaration.
	6	Obtain a Customs Invoice.	<p>Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number</p> <p>Use the PIN returned in the previous step to create a Customs Invoice using CustomsInvoice document type.</p>	Web Services returns a HTTP link to retrieve a Customs Invoice.
	7	Obtain FCC 740, FDA2877 and NAFTA forms.	<p>1. Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: US address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number NAFTADocumentIndicator: Yes FDA DocumentIndicator: Yes FCCDocumentIndicator: Yes</p> <p>2. Use the PIN returned in the previous step to create an FDA form using the FDA2877 document type; a NAFTA form using the NAFTA document type and an FCC form using the FCC740 document type.</p>	Web Services returns a HTTP link to retrieve FCC, NATA and FDA forms.
GetShipmentManifest Document	8	Obtain Shipment Manifest	Enter the service date for the request. YYYY-MM-DD	Web Services returns a HTTP link to retrieve the Shipping Manifest.

6.6 Returns Management

For test cases in the table below you need to substitute the **SenderInformation** with your registered address, the **ReceiverInformation** with any domestic address and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
CreateReturnShipment	1	Create a domestic Return Shipment.	Enter the following information: SenderInformation: domestic address ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Returns Shipment is created. Use shipping documents web services to retrieve bills of lading &/ or relevant shipping documents.
	1.1	Create a domestic Return Shipment with Special Handling enabled - Flat Package	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number SpecialHandling = TRUE, SpecialHandlingType = FlatPackage Valid values are: FlatPackage, AdditionalHandling, Oversized, ResidentialAreaHeavyweight, LargePackage.	Return Shipment is created, and PIN number is returned. Use shipping documents web services to retrieve bills of lading &/ or relevant shipping documents.
ValidateReturnShipment	2	Validate a Domestic Return Shipment.	Enter the following information: SenderInformation: domestic address ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number	Returns Shipment is valid.
	2.1	Validate a domestic Return Shipment with Special Handling enabled - Flat Package	Enter the following information: SenderInformation: registered location city / province / postal code ReceiverInformation: domestic address RegisteredAccountNumber: 9999999999 BillingAccountNumber: 7 up to 10 numeric account number SpecialHandling = TRUE, SpecialHandlingType = FlatPackage Valid values are: FlatPackage, AdditionalHandling, Oversized, ResidentialAreaHeavyweight, LargePackage.	Returns Shipment is valid.

6.7 Pickup

For test cases in the table below you need to substitute the **Address** with your registered address, and the **BillingAccountNumber** with any 7-10 numeric account number.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
SchedulePickUp	1	Create a Pickup for a domestic shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD)	Pickup is scheduled.
	2	Create a Pickup for a U.S. shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.
	3	Create a Pickup for an International shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.
	4	Create a Pickup for Shipments with multiple destinations. (Domestic, U.S., and International)	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.
	5	Create a pickup with Bulk Details.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.
	6	Create a domestic pickup with Mode of Transportation.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.
	7	Create a pickup for a US shipment with Mode of Transportation.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Pickup is scheduled.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
ModifyPickUp	8	Modify a pickup for a Domestic destination.	Enter the following information: ConfirmationNumber: Please use the confirmation number obtained in the previous steps.	Pickup is Modified.
	9	Modify a pickup for a U.S. destination.	Enter the following information: ConfirmationNumber: Please use the confirmation number obtained in the previous steps.	Pickup is Modified.
	10	Modify a pickup for a International destination.	Enter the following information: ConfirmationNumber: Please use the confirmation number obtained in the previous steps.	Pickup is Modified.
	11	Modify a Pickup for Shipments with multiple destinations. (Domestic, U.S., and International)	Enter the following information: ConfirmationNumber: Please use the confirmation number obtained in the previous steps.	Pickup is Modified.
	12	Modify a pickup with Bulk Details.	Enter the following information: ConfirmationNumber: Please use the confirmation number obtained in the previous steps.	Pickup is Modified.
ValidatePickUp	13	Create a Pickup for a domestic shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD)	Returns Cut-Off Window, and other information.
	14	Create a Pickup for a U.S. shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Returns Cut-Off Window, and other information.
	15	Create a Pickup for an International shipment	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Returns Cut-Off Window, and other information.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
	16	Create a Pickup for Shipments with multiple destinations. (Domestic, U.S., and International)	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Returns Cut-Off Window, and other information.
	17	Create a pickup with Bulk Details.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD) Address: Domestic Address	Returns Cut-Off Window, and other information.
	18	Create a Pickup for a domestic shipment with Mode of Transportation.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD)	Returns Cut-Off Window, and other information.
	19	Create a Pickup for a U.S. shipment with Mode of Transportation.	Enter the following information: Date: Today's date or greater (YYYY-MM-DD)	Returns Cut-Off Window, and other information.
VoidPickUp	20	Void scheduled Pickup	Enter the following Information: PickupConfirmationNumber: Please use the pickup confirmation number for a previous step.	Pickup is voided.

6.8 Locator

For test cases in the table below you need to substitute the **Address Information** with your address search criteria.

Web Service Method	Test Case	Test Scenario	Test Input	Expected Results
GetLocationsByAddress	1	Inquire on the Address by submitting Address information to Purolator E-Ship Web Services.	Enter the following information: AddressLine1 : 1881 AddressLine2 : Burlington AddressLine3 : L7S2K4	All available locations are returned.
GetLocationsByCity	2	Inquire on the City by submitting city information to Purolator E-Ship Web Services.	Enter the following information: CityName : Toronto ProvinceStateCode : ON CountryCode : CA	All available locations are returned.
GetLocationsByCoordinates	3	Inquire on the Coordinates by submitting coordinates information to Purolator E-Ship Web Services.	Enter the following information: Latitude : 43.3310093 Longitude : -79.8195676	All available locations are returned.
GetLocationsByPointOfInterest	4	Inquire on the PointOfInterest by submitting pointofinterest information to Purolator E-Ship Web Services.	Enter the following information: PointOfInterest : Burlington	All available locations are returned.
GetLocationsByPostalCode	5	Inquire on the PostalCode by submitting postal code information to Purolator E-Ship Web Services.	Enter the following information: PostalCode : L4Z0A8	All available locations are returned.