



E-SHIP Commercial Web Services

Technical Requirements

Version 2.1.0

Revision Notes

Revision	Date	Change Description
2.1.0	May 22, 2018	Section 3.21 Estimates Web Services – Updated Section to align with v2.1 of the Estimates Web Service Specifications
2.1.0	May 22, 2018	Section 3.22 Shipping Web Services – Updated Section to align with v2.1 of the Shipping Web Service Specifications
2.1.0	May 22, 2018	Section 3.28 Allowed Code List – updated and reformatted the section for improved readability.

Table of Contents

Table of Figures	7
Table of Tables.....	8
Executive Summary	9
1 Introduction.....	11
2 Technical Requirements - E-Ship Commercial Web Services (CWS)	11
2.1 Definition Type of Users	11
2.2 Overview Detailed Process - Implementation E-Ship Commercial Web Services.....	12
2.3 RACI Matrix.....	13
2.3.1 RACI Matrix - Developer	13
2.3.2 RACI Matrix - Merchant	15
2.4 Getting Started for the Developer.....	16
2.4.1 Introduction.....	16
2.4.2 Specification Compliance.....	16
2.4.3 Development Platforms.....	16
2.4.4 Related Resources	16
2.4.5 Web Services.....	17
2.5 Key Milestones of the Implementation Process – Developer	18
2.5.1 Register for the E-Ship Resource center.....	18
2.5.2 Login to Purolator E-Ship Resource center.....	21
2.5.3 Download Documentation and Sample Code.....	22
2.5.4 Request Development Key	26
2.5.5 Planning	28
2.5.6 Develop Application.....	28
2.5.7 Certification Process	60
2.5.8 Request Production Key.....	63
2.5.9 Activate system - Go Live process	65
2.5.10 Stabilization	65
2.5.11 Maintain Compliance	65
2.6 Key Milestones of the Implementation Process – Merchant	67
2.6.1 Open Business Account	67
2.6.2 Register for the E-Ship Resource center in App.....	69
2.6.3 Request Activation Key	72

2.6.4	Activate System – Go Live Process	73
2.6.5	Stabilization	73
2.7	Security.....	74
2.7.1	Security Options.....	74
2.7.2	Purolator Systems – Downtime and Service Suspensions.....	74
2.8	Technical Resources and support.....	75
2.8.1	Developer Support.....	75
2.8.2	Testing and Certification Support.....	76
2.8.3	Production Support.....	76
2.8.4	Maintenance Windows.....	76
3	Appendix.....	77
3.1	Business Rules Summary	77
3.2	List of Acronyms	84
3.3	Terminology.....	86
3.4	List of Purolator Shipping Products: detailed description.....	89
3.4.1	Purolator Express Domestic Delivery Options	89
3.4.2	Purolator Express U.S. Delivery Options.....	91
3.4.3	Purolator Express International Delivery Options	94
3.4.4	Purolator Ground Domestic Delivery Options	96
3.4.5	Purolator Ground U.S. Delivery Options.....	96
3.5	Overview of Purolator Packaging Solutions	97
3.6	Overview of the weight and dimension restrictions per product	98
3.7	Shipping Labels – ExpressCheque.....	99
3.7.1	Outgoing Shipment Label for ExpressCheque	99
3.7.2	Returning ExpressCheque Labels.....	100
3.7.3	Receiver ExpressCheque Receipt.....	101
3.8	Shipping Label – Chain Of Signature.....	102
3.9	Shipping Label – Return Service	103
3.9.1	Return Service Label	103
3.9.2	Custom Non-Pickup Return Services label.....	104
3.10	Shipping Label – Purolator International LOB (PR0299)	105
3.10.1	Purolator Managed Returns	105
3.10.2	Customer Managed Returns	106

3.11	Shipping Documentation – Commercial Invoice.....	107
3.11.1	Commercial Invoice	107
3.11.2	US/International Request XML Schema	108
3.12	Shipping Documentation – NAFTA Certificate of Origin	111
3.13	Shipping Documentation – Federal Communications Commission (Form FCC 740).....	113
3.14	Shipping Documentation - Department of Health and Human Services (Form FDA 2877)	115
3.15	Shipping Documentation - Dangerous Goods Declaration Form for Ground Shipments.....	117
3.16	Manifest	118
3.17	Application Profile Form	119
3.18	Application Profile – Scope of Work	121
3.19	Error Messages / codes: a list of all the error codes and descriptions	124
3.20	Service Availability Web Services.....	149
3.20.1	Service Methods and Objects: request/response XML schema.....	149
3.20.2	Complete Field List	153
3.21	Estimates Web Services	158
3.21.1	Service Methods and Objects: request/response XML schema.....	158
3.21.2	Complete Field List	161
3.22	Shipping Web Services	161
3.22.1	Service Methods and Objects: request/response XML schema.....	176
3.22.2	Complete Field List	187
3.23	Returns Management Web Services.....	200
3.23.1	Service Methods and Objects: request/response XML schema.....	200
3.23.2	Complete Field List	204
3.24	Get Documents Web Services.....	213
3.24.1	Service Methods and Objects: request/response XML schema.....	213
3.24.2	Complete Field List	214
3.25	Pickup Web Services	219
3.25.1	Service Methods and Objects: request/response XML schema.....	219
3.25.2	Complete Field List	228
3.26	Tracking Web Services	234
3.26.1	Service Methods and Objects: request/response XML schema.....	234
3.26.2	Complete Field List	237
3.27	Locator Web Services.....	245

3.27.1	Service Methods and Objects: request/response XML schema.....	245
3.27.2	Complete Field List	300
3.28	Allowed Code List.....	310

Table of Figures

Figure 1: CWS Development Process for Developer	12
Figure 2: CWS Process Merchant	12
Figure 3: Error Handling.....	18
Figure 4: E-SHIP Commercial Web Services Registration.....	19
Figure 5: Registration Web Services - Integration information.....	20
Figure 6: Email successful registration	20
Figure 7: Login screen to complete registration process	21
Figure 8: E-SHIP Commercial Web Services Resource Center after login.....	22
Figure 9: Development Process.....	22
Figure 10: Documentation and Sample Code.....	23
Figure 11: Purolator E-SHIP Commercial Web Services Resource Center - Start Page after Login	26
Figure 12: Obtain a Development Key Form	26
Figure 13: Form to obtain Development Key - Commercial Type	27
Figure 14: Basic HTTP Authentication Credentials	30
Figure 15: Purolator E-SHIP Commercial Web Services - Resource Center	63
Figure 16: Request a Production Key	64
Figure 17: Process Map for Getting Business Account Number.....	67
Figure 18: Welcome Email to Merchant.....	69
Figure 19: Add Purolator Shipping to your Online Store.....	70
Figure 20: E-SHIP Commercial Web Services Registration - Merchant.....	70
Figure 21: Email Registration confirmation - Merchant.....	71
Figure 22: Complete Registration - Merchant.....	71
Figure 23: Obtain Activation Key Form.....	72
Figure 24: Activation Key Details.....	72
Figure 25: Enable the Purolator Extension - Merchant.....	73

Table of Tables

Table 1: RACI Matrix - Developer	13
Table 2: RACI Matrix - Merchant	15
Table 3: Specification Compliance.....	16
Table 4: Data Types Values and Description	17
Table 5: Overview Web Services Endpoint and Methods	25
Table 6: Service Options and corresponding Business Rules	36
Table 7: Shipment Scenarios and Document Calls	46
Table 8: Overview Web Services and Methods – Mandatory or Strongly Recommended	55
Table 9: Overview Web Services and Methods - Interdependencies	56
Table 10: Overview Purolator Options and Services	58
Table 11: Overview Purolator Options: Get Documents.....	59
Table 12: Overview Purolator Options: Application Functionality.....	59

Executive Summary

Purolator E-SHIP Commercial Web Services (CWS) are free, easy-to-use web components that make it simple to integrate shipping, tracking, estimates, returns, pickup, and locator services directly into a website, online store, order management systems, or other software applications.

Purolator offers eight Web Services available for use and are written in Extensible Markup Language (XML):

- [Service Availability](#): Validates origin and destination addresses. Receive all available Purolator services, products, options and associated rules
- [Estimates](#): Obtain a list rate or account-specific contracted rates for a single shipment or for multiple shipments
- [Shipping](#): Ship within Canada and to the U.S. Also more than 210 countries and territories worldwide
- [Returns Management](#): Create return labels and shipping documents
- [Get Documents](#): Retrieve shipping labels and documentation for shipments
- [Pickups](#): Schedule, modify and void pickup requests up to 10 days in advance
- [Tracking](#): Track shipments in real time by using a tracking number/PIN or tracking reference
- [Locator Service](#): Obtain information on Purolator retail locations

CWS implementation requires that Developers complete the development of the solution as well as provide Merchants with a way to onboard to the application using Purolator credentials.

Developers should follow the process outlined in this document to ensure successful implementation of E-SHIP Commercial Web Services into their product while allowing for the flexibility to ensure it meets the workflow and user interface requirements.

Shipping rules and restrictions have already been defined within each Web Service so that the Developer can concentrate on creating the XML requests and User Interfaces. The Business Rules embedded in this document provide a toolkit for the Developer to facilitate the creation of selection buttons, pop-up windows, warning messages, and error messages in the User Interfaces. This toolkit is further supplemented with Use Case Scenarios and User Interface examples.

The Business Requirements document provides a complete picture of Purolator's business offerings which enables complete integration of CWS into the shipping application. Topics described are:

- Process flow of a shipment, including typical shipping scenarios, and the translation of this process into the CWS
- Detailed description of the eight Web Services and Methods
- Purolator Accounts, Products and Services
- Rating, Returns Managements, Pickup, Tracking and Locator Service
- Shipping Labels and Documentation, including Manifest

The Technical Requirements document dives into the technical specifications, the detailed process flow and the key milestones of the implementation process specifically oriented towards the Developer. Based on previous implementations, forums and Wikis, each Web Service and Method is described in detail on usage, best practices, tips and tricks, User Interface recommendations in order to support the Developer to achieve a crisp and clean implementation of the CWS into the application. Finally, the elements of Security, Technical Resources and Support specific to E-SHIP Commercial Web Services are outlined.

The Appendix consists of additional supporting documents for all stakeholders in order to clarify and extend on the aspects described in the document such as list of acronyms and terminology, screenshots of labels, XML examples of requests and responses, and much more.

1 Introduction

This document describes the business rules, systems specifications and processes required to successfully integrate E-SHIP Commercial Web Services (CWS) into a certified Purolator shipping application/product. By meeting the requirements and adhering to the specifications described in this document, you will be providing the necessary tools and information to your customers in regards to Purolator's high quality service that is expected by your customers.

The document consist of two sections: the Business Requirements and the Technical Requirements.

The Business Requirements chapter describes the unique business rules and processes inherent to Purolator's shipping solutions. This chapter is relevant to both decision makers and developers who want to better understand Purolator's shipping services including the responsibilities of the stakeholders, the flow of the shipments, the shipping products, various services and options.

The Technical Requirements chapter sets out the key milestones and responsibilities for the Developer, and the system specifications and processes required to produce a certified Purolator shipping application capable of processing Purolator Shipments.

2 Technical Requirements - E-SHIP Commercial Web Services (CWS)

This chapter provides more specific information and details on how to develop E-SHIP Commercial Web Services for your specific application in order to get successfully certified, and subsequently enable the use of CWS in your application to its full extend for you and your customers.

It is important to understand the clear difference in roles and responsibilities of the key contributors throughout this implementation process and therefore the definition of the type of users is discussed first.

Then the process and the responsibilities through a RACI matrix for each respective role, the Developer or the Merchant, is explained.

Next, the details of the key milestones are described step-by-step for each type of user which includes information such as what is needed to get started, best practices, tips & tricks and more.

Finally, additional information is given on the elements of security, technical resources and support.

2.1 Definition Type of Users

Two types of users are the key contributors during the development and usage of the E-SHIP Commercial Web Services:

- The Developer, also called the Partner, Vendor or Third Party Vendor (3PV)-Application Owner
- The Merchant, also called the Retailer, Wholesaler, Distributor or Manufacturer

The Developer is the person developing and configuring Purolator shipping services product or application that integrates E-SHIP Commercial Web Services. This individual will request both the Development Key and the Production Key for the E-SHIP Commercial Web Services in order to develop and activate the application for resale to Merchants. For the sake of simplicity we will continue to use 'Developer' in this document even though this term could represent any of these three entities within this group.

The Merchant is the person obtaining the Business Account Number and Activation Key in order to use the application as part of their e-commerce shipping solution and thus facilitate shipping of their products. For the sake of simplicity we will continue to use 'Merchant' in this document even though this term could represent any of the other entities within this group of users.

2.2 Overview Detailed Process - Implementation E-SHIP Commercial Web Services

As discussed in the Business Requirement Document, the activities of the Developer are completely independent from the activities of the Merchant. Nevertheless, the Merchant can only activate and start using the application once the Developer has deployed the certified E-SHIP Commercial Web Services into the production environment, not before.

The complete process is detailed for the Developer below:

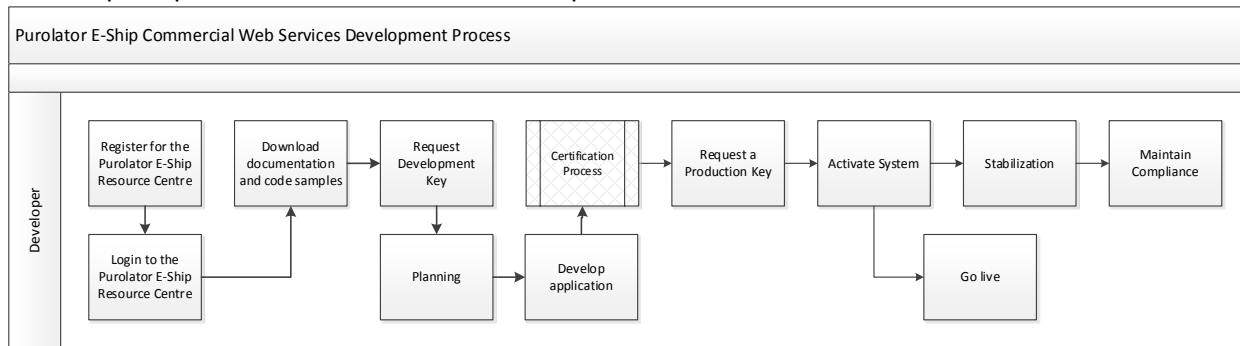


Figure 1: CWS Development Process for Developer

As for the Merchant, the complete process is illustrated in the next figure and in relation to the Developer's activities.

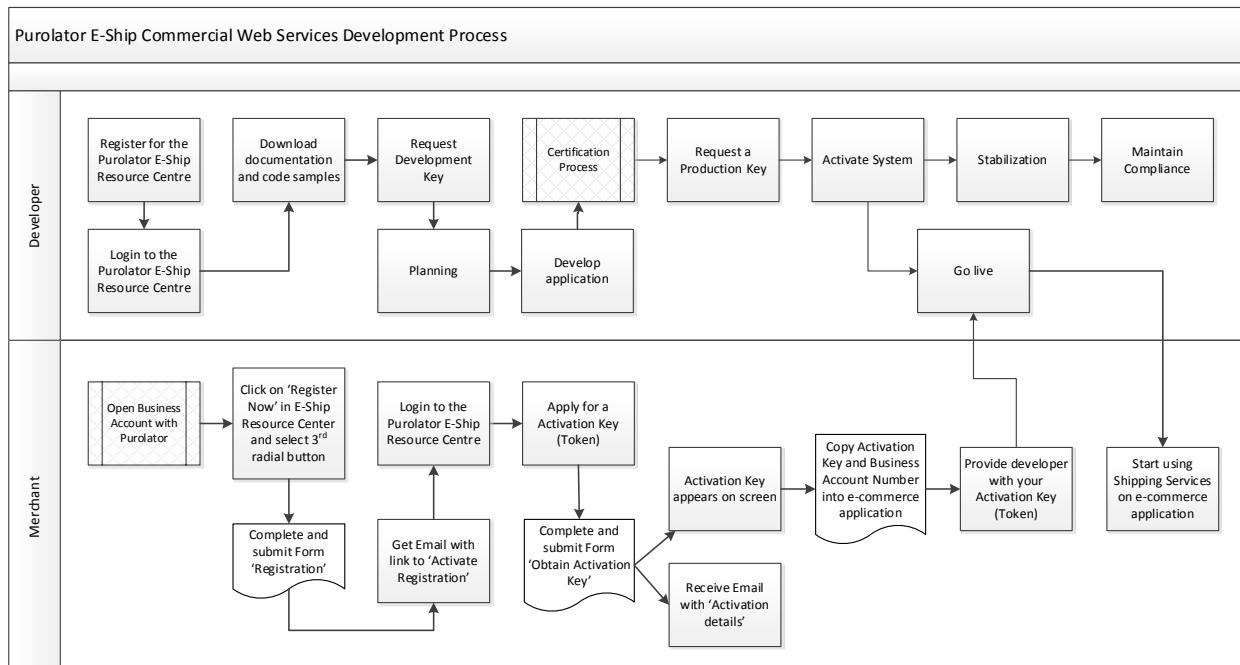


Figure 2: CWS Process Merchant

2.3 RACI Matrix

The RACI matrix assigns four responsibilities to the participants in order to complete different tasks and deliverables during the complete process:

- R = Responsible
- A= Overall Accountable
- C = Consulted
- I = Informed

2.3.1 RACI Matrix - Developer

The RACI matrix for the Developer on the next page clarifies more in detail the different deliverables and respective responsibilities of the different stakeholders in order to complete the process. In this overview, the different participants within Purolator each have a specific responsibility in order to fully support the Developer throughout the process: Field Services, QA Analyst, QA Manager, Access Management Team, and E-Commerce manager.

Table 1: RACI Matrix - Developer

		KEY ROLES								
		DEVELOPER	PUROLATOR							
#	Category - Key Activities		ERC Backend (automatic)	Field Services SCFS	QA Analyst	QA Manager	Access Mngt. Team	E-Commerce Manager		
1	REGISTER INTO E-SHIP WEB SERVICES RESOURCE CENTER									
1.1	Register by completing profile and integration information	R/A		I						
1.2	Sign off on T&C's: PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT	R/A								
1.3	Registration confirmation through validation email sent to the developer	I	R/A							
1.4	Application Profile Form sent by email to developer, discussed and signed off as scope document (manual process)	A		R/C						
2	LOGIN TO RESOURCE CENTER									
2.1	Login through provided link with email address and password (registration)	R/A	I							
3	DOWNLOAD DOCUMENTS AND SAMPLE CODE									
3.1	Download the documents and code sample in E-Ship Web Services	R/A								
4	REQUEST DEVELOPMENT KEY									
4.1	Obtain a development key through completion of online form	R/A								
4.2	Sign off on T&C's of Use: PUROLATOR E-SHIP COMMERCIAL WEB SERVICES DEVELOPER AGREEMENT - DEVELOPMENT	R/A								
4.3	Development Key automatically sent by email	I	R/A							
5	PLANNING									
5.1	Application Profile Form: detailed review of scope on web services and products, services, functionalities to be implemented	A		R/C						
5.2	Create contract/agreement with Partner to complete scope of the implementation: schedule, resources and cost (if applicable)		C		I/C			R/A		

R = Responsible; A= Overall Accountable C = Consulted; I = Informed		KEY ROLES								
#	Category - Key Activities	DEVELOPER	PUROLATOR							
			ERC Backend (automatic)	Field Services SCFS	QA Analyst	QA Manager	Access Mngt. Team	E-Commerce Manager		
6	DEVELOPMENT									
6.1	Develop the application using the latest version of the documentation and code samples from the E-Ship Web Services Resource Centre	R/A		I/C						
6.2	Developer and field services interact intermittently to address questions during development	R/A		I/C						
6.3	Execute the development plan	R		A		I/C		I/C		
6.4	Confirm readiness for testing by reviewing agreed scope is completed including completion of integration documents	R		A	I	I		I		
7	TESTING									
7.1	Testing Kick-off meeting for UA assessment with Developer, Field Services, QA Team and QA Manager	R		A	I			I		
7.2	Demonstrate application, integration documents and functionality of the scope including access for QA to the Application	R/A		I	I			I		
7.3	Document any gaps identified during demo in defect log	C		C	R/A	I		I		
7.4	QA Team introduces the 'Readiness Test Suite'	C		I	R/A	I		I		
7.5	QA Team provides the Developer with the 'Certification Test Suite' incl. Test Cases	C		I	R/A			I		
7.6	Developer performs functional testing and submits results in 'Readiness Test Suite' upon completion	R		C/I	A			I		
7.7	QA Team performs 'Internal Certification Testing' and documents progress in defect log and internal/external progress documents	C		I	A/R			I		
7.8	Daily review of defect log	R		C/I	A					
7.9	Weekly Status Meetings - developer and QA team	R		C/I	A			I		
7.10	Explain errors and issues that require retesting, provide additional testing requirements if applicable	I/C		I	R/A					
7.11	Remedy all non-compliant issues in a timely fashion and re-submit the criteria	R/A		I/C	C/I					
7.12	Re-executes tests as requested by Purolator until successful results of testing criteria are achieved	R/A		I	C/I					
7.13	Interactive process until all defects are resolved before declaration to certify	C		I	R/A					
8	CERTIFICATION									
8.1	Certification email is sent to approve certification to developer 'Congratulation Email'	I		I	A/R			I		
9	REQUEST PRODUCTION KEY									
9.1	Email sent by Field Services to advise on steps to obtain Production Key	I		R/A	I					
9.2	Obtain a production key through completion of online form	R/A	I							

R = Responsible; A= Overall Accountable C = Consulted; I = Informed		DEVELOPER	KEY ROLES						
#	Category - Key Activities		PUROLATOR						
			ERC Backend (automatic)	Field Services SCFS	QA Analyst	QA Manager	Access Mngt. Team	E-Commerce Manager	
9.3	Sign off on T&C's of Use: PUROLATOR E-SHIP COMMERCIAL WEB SERVICES DEVELOPER AGREEMENT - PRODUCTION by developer	R/A	I						
9.4	Inactive Production Key automatically sent by email to requestor	I	R/A						
9.5	Validation of production key request by Access management team		C	C			R/A		
9.6	Email notification to requestor with activated Production Key details	I		R/A	I			I	
10	ACTIVATE SYSTEM - GO LIVE PROCESS								
10.1	Developer enters production key in application which will be live upon enabling of production key by Purolator	R/A							
11	STABILIZATION								
11.1	Provides support to mutual customers	R/A							
11.2	Obtain Feedback from Vendor, Partner, 3PV	C		I		I		R/A	
12	MAINTAIN COMPLIANCE								
12.1	Notify of updated Specifications and Compliance requirements (internal org. already informed/consulted)	I		R/A					
12.2	Maintain updates and compliance with newer versions of the Specifications, as amended by Purolator (might trigger new certification process)	R/A		I/C	I			I	

2.3.2 RACI Matrix - Merchant

The next RACI matrix focuses on the Merchant scenario and illustrates the different deliverables and the respective responsibilities of the different stakeholders in order to complete the process. In this overview, the different participants within Purolator each have a specific responsibility in order to fully support the Merchant throughout the process: Inside Sales Professionals, Field Services, QA Manager, and E-Commerce manager.

Table 2: RACI Matrix - Merchant

R = Responsible; A= Overall Accountable; C = Consulted; I = Informed		#	Category - Key Activities	KEY ROLES								
				MERCHANT	DEVELOPER	PUROLATOR						
						Inside Sales Professionals	ERC Backend (automatic)	Field Services	QA Manager	E-Commerce Manager		
1 OPEN BUSINESS ACCOUNT												
1.1	Apply for a Purolator Business Account number: complete online form as directed from application		R			A						
1.2	Sales contacts the merchant to inquire on shipping needs and generates a Business Account Number		C			R/A						
1.3	Provide Purolator Business Account number to requestor with 'Welcome Email'		I			R/A						
2 REGISTER INTO E-SHIP WEB SERVICES RESOURCE CENTER												
2.1	Register by completing profile information		R/A				I/C					
2.2	Sign off on T&C's: PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT		R/A									

R = Responsible; A= Overall Accountable; C = Consulted; I = Informed		#	Category - Key Activities	KEY ROLES						
				MERCHANT	DEVELOPER	PUROLATOR				
						Inside Sales Professionals	ERC Backend (automatic)	Field Services	QA Manager	E-Commerce Manager
2.3	Registration confirmation through validation email sent to the user	I				R/A				
3	REQUEST ACTIVATION KEY									
3.1	Complete 'Obtain Activation Key' after initial login	R/A				I				
3.2	Sign off on T&C's: PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT	R/A								
3.3	Provide Activation Details on screen and in separate email	I/C				R/A				
4	ACTIVATE SYSTEM - GO LIVE PROCESS									
4.1	Enter Business Account number and Activation Key or Token in partners e-commerce application in order to go live with shipping services	R/A	I							
5	STABILIZATION									
5.1	Obtain Feedback from Merchant, Retailer, End-User, Customer	C					I	I	R/A	

2.4 Getting Started for the Developer

Now that the key participants and their respective deliverables and responsibilities are known, the key basic elements for the Developer to get the development started will be described in the section below.

2.4.1 Introduction

To help you integrate Purolator E-Ship Commercial 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 details on Purolator's service offerings. These documents are available after registration and login on Purolator's E-Ship Resource Center <https://eship.purolator.com>

2.4.2 Specification Compliance

The Web Services are designed to comply with the following specifications and their respective detailed information is accessible on the following websites:

Table 3: Specification Compliance

Specification Name	Website
Simple Object Access Protocol (SOAP) 1.1	http://www.w3.org/TR/2000/NOTE-SOAP-20000508/
Web Service Description Language (WSDL) 1.1	https://www.w3.org/TR/2001/NOTE-wsdl-20010315

2.4.3 Development Platforms

The Web Services work with any current SOAP/XML development environments. Please note that development platforms vary in their SOAP/XML implementations, therefore refer to your platform's documentation for more information.

2.4.4 Related Resources

The Purolator E-Ship Resource Center provides a full suite of documentation, sample code, sample SOAP messages, community-based support, and other resources to help you with your development projects. Be sure

to visit <https://eship.purolator.com> to access all of the resources available to you and get support with your integration. See also the last section in this chapter on [technical resources and support](#).

2.4.5 Web Services

Web Services is a collection of programming technologies, including XML, Web Services Description Language (WSDL) and SOAP, which allow you to build programming solutions for specific messaging and application integration.

Web Services are, by definition, platform independent. Purolator E-Ship Commercial Web Services allow developers to build custom applications that are independent of changes to the Purolator interface. This is achieved through backwards compatibility support for all versions of the Web Services.

2.4.5.1 *Character of Calls*

All Web Service calls are:

- Service Requests and Responses – your client application prepares and submits a service request to Purolator E-Ship Commercial Web Services, which is processed and a response is returned, and the client application handles the response,
- Synchronous – once the API call is invoked, your client application waits until it receives a response from the service. Asynchronous calls are not supported.

2.4.5.2 *Data Types*

The table below gives an overview of the different data type values and their respective descriptions.

Table 4: Data Types Values and Description

Value	Description
String	Character strings. Fields that are of data type string contain text and some have length restrictions. Please see the field reference list for format and restrictions.
Decimal	Decimal represents a subset of the real numbers, which can be represented by decimal numerals. The <u>–value space-</u> of decimal is the set of numbers that can be obtained by dividing an integer by a non-negative power of ten, i.e. expressible as $i / 10^n$ where i and n are integers and $n \geq 0$. Precision is not reflected in this value space; the number 2.0 is not distinct from the number 2.00. (The datatype <u>precisionDecimal</u> may be used for values in which precision is significant.) The order relation on decimal is the order relation on real numbers, restricted to this subset.
Int	The precisionDecimal datatype represents the numeric value and (arithmetic) precision of decimal numbers which retain precision; it also includes values for positive and negative infinity and for “not a number”, and it differentiates between “positive zero” and “negative zero”. This datatype is introduced to provide a variant of decimal that closely corresponds to the floating-point decimal datatypes described by the expected forthcoming revision of IEEE/ANSI 754. Precision of values is retained and values are included for two zeroes, two infinities, and not-a-number.
Enumeration	Enumeration constrains the <u>–valuespace-</u> to a specified set of values. Enumeration does not impose an order relation on the <u>–valuespace-</u> it creates; the value of the <u>–ordered-</u> property of the derived datatype remains that of the datatype from which it is derived.

2.4.5.3 Error Handling

The Web Service calls return error data that your client application can use to identify and resolve runtime errors. If an error occurs during the invocation of most Web Services calls, then the API provides the following types of error handling:

- For errors resulting from badly formed messages, failed authentication, or similar problems the Web Services returns a SOAP fault message,
- For errors resulting from a problem with the information sent to Purolator's systems, error codes and error descriptions are returned to the client application.

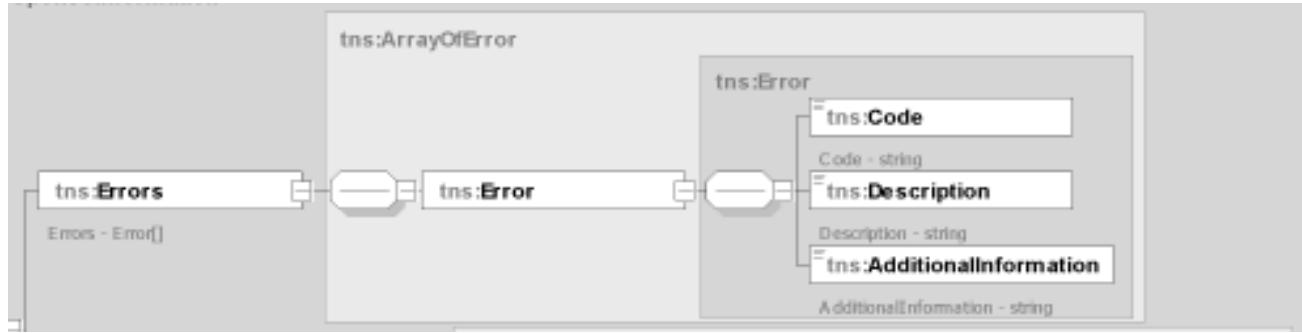


Figure 3: Error Handling

A list of error messages and codes is available in the [Appendix – Bullet 3.18](#).

2.5 Key Milestones of the Implementation Process – Developer

As described in the Business Requirements Document and the RACI matrix, there are twelve key milestones in the development and implementation process for the Developer which are described in detail in the following section. They are:

- Step 1. Register for the E-SHIP Resource center
- Step 2. Login to Purolator E-SHIP Resource center
- Step 3. Download Documentation and Code Sample
- Step 4. Request Development Key
- Step 5. Planning
- Step 6. Develop Application
- Step 7. Certification Process: Test Application
- Step 8. Certification Process: Certification
- Step 9. Request Production Key
- Step 10. Activate system - Go Live process
- Step 11. Stabilization
- Step 12. Maintain Compliance

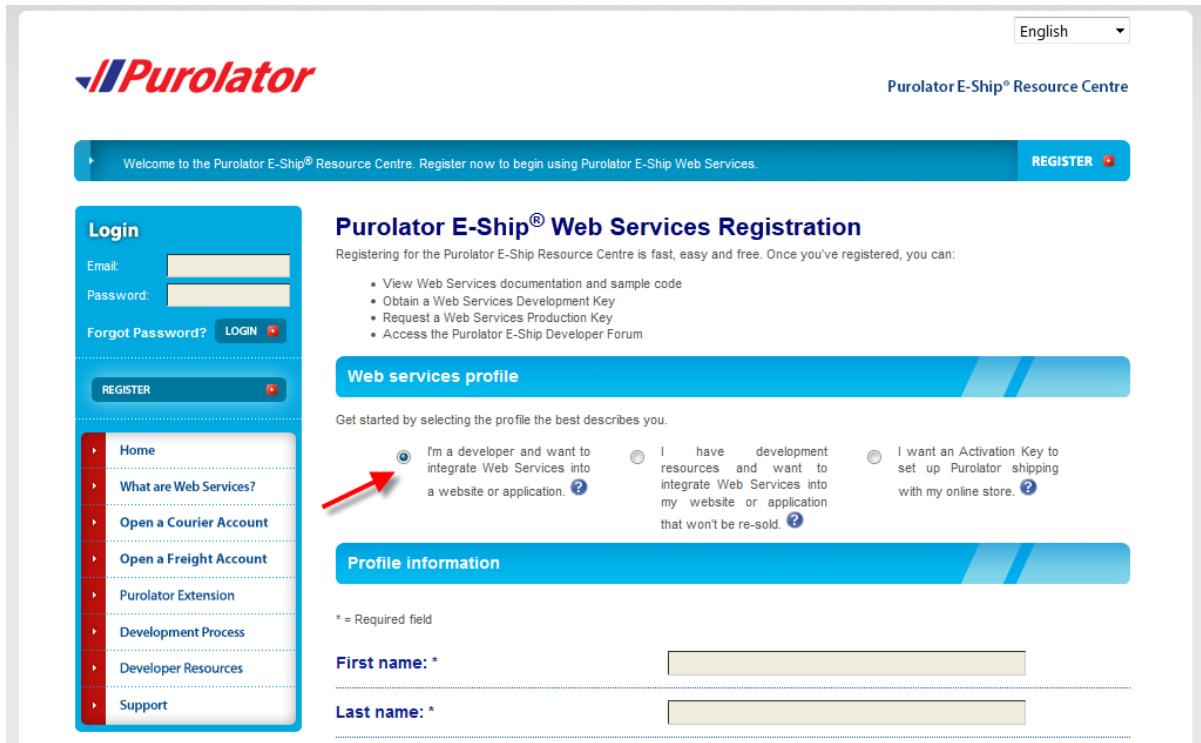
2.5.1 Register for the E-SHIP Resource center

Navigate to the Purolator E-SHIP Commercial Web Services on the Purolator E-SHIP Resource Center at <https://eship.purolator.com> and select 'Register'.

On this page the Developer identifies the 'Web Service profile' of the registration, and has to select the first radio button of the available options identifying the setup of E-SHIP Commercial Web Services (CWS):

1. Developer – Application for re-sale (Commercial=CWS)
I'm a developer and want to integrate Web Services into a website or application

2. Developer – Application that won't be resold (Corporate=EWS)
I have development resources and want to integrate Web Services into my website or application that won't be re-sold
3. Application owner or representative
I want an Activation Key to set up Purolator shipping with my online store



The screenshot shows the Purolator E-SHIP® Resource Centre registration page. At the top right, there is a language selection dropdown set to "English". The main title is "Purolator E-SHIP® Resource Centre". Below the title, there is a "REGISTER" button. On the left, there is a "Login" form with fields for Email and Password, and links for "Forgot Password?" and "REGISTER". A sidebar on the left lists navigation options: Home, What are Web Services?, Open a Courier Account, Open a Freight Account, Purolator Extension, Development Process, Developer Resources, and Support. The main content area is titled "Purolator E-SHIP® Web Services Registration". It says "Registering for the Purolator E-SHIP Resource Centre is fast, easy and free. Once you've registered, you can:" followed by a bulleted list: View Web Services documentation and sample code, Obtain a Web Services Development Key, Request a Web Services Production Key, Access the Purolator E-SHIP Developer Forum. Below this is a "Web services profile" section with the heading "Get started by selecting the profile the best describes you." There are three radio buttons: one selected (blue outline) for "I'm a developer and want to integrate Web Services into a website or application.", and two others for "I have development resources and want to integrate Web Services into my website or application that won't be re-sold." and "I want an Activation Key to set up Purolator shipping with my online store." Red arrows point to the first radio button and the "REGISTER" button at the top right.

Figure 4: E-SHIP Commercial Web Services Registration

Upon selection of the first 'Web Services Profiles', the Profile and Integration information and the Terms and Conditions are revealed in order to be completed by the Developer.

In detail, the following information must be completed:

- Profile and contact information
- Integration information:
 - Resale versus not for resale
 - Selection of the different Web Services by courier and freight
 - Description of the expected achievement
- Terms and Conditions need to be signed off before proceeding

The screenshot shows a registration form with various input fields for personal and company information. Below these, a section titled 'Integration information' contains a question: 'How will you be integrating Purolator E-SHIP Web Services?' followed by a dropdown menu labeled '-- Choose integration type --'. A red arrow points from this question down to a list of services under the heading 'Which Purolator E-SHIP Web Services are you interested in integrating?'. This list is divided into two sections: 'Courier Web Services' and 'Freight Web Services', each with several checkboxes. The 'Courier Web Services' section includes Service Availability, Estimates, Shipping and Returns, Labels and Documents, Pickups, and Tracking. The 'Freight Web Services' section includes Estimates and Pickups. A red box highlights the 'Courier Web Services' section.

Figure 5: Registration Web Services - Integration information

Once the Developer clicks the ‘Submit registration’ button, an email confirming the ‘Registration’ is sent to the Developer with the request to click on the link in the email in order to validate email address and complete registration. In addition, the email provides some ‘getting started’ tips to the Developer as well as further steps of the integration process as is shown in the screenshot below.

Thank you for registering for the Purolator E-SHIP® Resource Centre. To access the site and complete your registration, please click on the link below.

<https://cerfeship.purolator.com/Site/en/userprofile/accountactivation.aspx?userid=134aea06-c587-45e7-9063-29d36150c048>.

Developers - Getting Started

If you are a developer integrating Purolator E-SHIP Web Services directly into a customer’s website, or into an application that will be re-sold, here’s how to get started:

1. Click on the link above to access the Purolator E-SHIP Resource Centre.
2. Log in to complete your registration.
3. Review the documentation and code samples for the Purolator E-SHIP Web Service(s) you will be using.
4. Request a Development Key to develop and test your code within the Purolator E-SHIP Test Environment.
5. Request a Production Key once your development and testing are complete. You will receive an inactive Production Key until we review your request. Please note that if you’re integrating Purolator E-SHIP Web Services into a website on behalf of a Purolator customer, the Purolator Account holder must request the Production Key.

Account Holders - Getting Started

If your developer has asked you to request a Production Key for your Purolator Account, here’s how to get started:

1. Click on the link above to access the Purolator E-SHIP Resource Centre.
2. Log in to complete your registration.
3. Request a Production Key. You will receive an inactive Production Key until we verify your request. A Purolator representative may contact you for security purposes before your Production Key is activated.
4. Ask your developer to replace their Development Key with your Production Key. You will now be ready to use Purolator E-SHIP Web Services.

If you don’t have a Purolator Account, open a [Courier](#) or [Freight](#) Account today.

Thank you,
Purolator E-SHIP Resource Centre Team

Figure 6: Email successful registration

2.5.1.1 Application Profile Form

The ‘Application Profile Form’ is sent to the Developer by email with the request to complete and to further discuss with ‘Field Services’ to answer questions or fill in gaps. This document will definitely be reviewed in the ‘Planning’ phase.

2.5.1.2 Implementation Scope

The 'Implementation Scope' identified at time of registration is 'early' in the process and might not necessarily identify the full scope of the implementation. Therefore the 'Application Profile Form' determined in the Planning phase supersedes the scope identified at time of registration, as it is more specifically discussed.

Note: The Implementation Scope for the 'CWS'/resale should be to implement all products/services

BUSINESS RULES – REGISTER FOR THE E-SHIP RESOURCE CENTER

- ❖ A Developer is representing a partner, vendor, or application owner
- ❖ A Developer MUST FIRST register at the E-Ship Resource Center <http://eship.purolator.com>
- ❖ TERMS and CONDITIONS 'PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT' act as a legally binding document
- ❖ The 'Profile' completed during registration determines the Scope of the Application Integration (Development and Production) and will be refined through the 'Application Profile Form' in the Planning Phase before the Certification Process starts
- ❖ A validation email is sent to the Developer to confirm email address and activates the registration

2.5.2 Login to Purolator E-Ship Resource center

In order to complete the registration process, the Developer needs to login to the E-Ship Resource Center through the link provided in the 'Registration Completed Email' and paired with the password created during registration.

Welcome to the Purolator E-Ship® Resource Centre. Register now to begin using Purolator E-Ship Web Services.

REGISTER

Login

Email: saskia.beusaert
Password:

Forgot Password? **LOGIN**

REGISTER

Complete your registration

Please login to complete your registration. Your account will be activated after a successful login.

Home

What are Web Services?

Open a Courier Account

Open a Freight Account

Purolator Extension

Development Process

Developer Resources

Support

Figure 7: Login screen to complete registration process

BUSINESS RULES – LOGIN TO PUROLATOR E-SHIP RESOURCE CENTER

- ❖ The Developer MUST login to the E-Ship Resource Center to complete the registration process with the email address and password used during registration

2.5.3 Download Documentation and Sample Code

After login to the E-SHIP Resource Center, the Developer gets full access to the documents and sample code to begin the development process.



Figure 8: E-SHIP Commercial Web Services Resource Center after login

By clicking on the 'Getting Started' icon, the development process and the respective milestones are explained.

The screenshot shows the 'Development Process' section of the E-SHIP Resource Centre. On the left, the same 'Resource Centre Links' sidebar is visible. The main content area is titled 'Development Process'. It starts with a general instruction: 'If you're a developer, or will be using development resources to integrate Purolator E-SHIP Web Services into your custom website or application, get started by following the steps outlined below.' Below this is a blue header bar with the text 'Developer – Application for re-sale'. Underneath, there are six numbered steps: Step 1: Download Documentation and Code Samples (View code samples and documentation for the Purolator E-SHIP Web Service(s) you will be using); 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); 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. Once activated, you will then be ready to use Purolator E-SHIP Web Services). At the bottom is another blue header bar with the text 'Developer – Application that won't be re-sold'.

Figure 9: Development Process

The first step in this development process is to download the documentation and sample code which are accessible on a self-serve basis by clicking on the link 'Courier Documentation'.

Figure 10: Documentation and Sample Code

The Developer should download the latest version of the eight Web Services documentation in order to get an understanding of the business logic, the specific Web Service, the respective requests and responses of the sub-processes, as well as the SOAP UI and Certification program:

1. **Service Availability Web Service:** Validates Origin and destination addresses and receives all available Purolator services, products, options and associated rules (e.g. premium Express and Ground services, U.S. and International Services, ExpressCheque and Dangerous Goods Options).
2. **Estimates Web Service:** Receives 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 (i.e. Full Estimate).
3. **Shipping Web Service:** Creates domestic, U.S. and International shipments as well as outbound Return Shipments (outbound shipment with return label).
Shipping labels and documents are created using the [Get Documents Web Service](#).
4. **Returns Management Web Service:** Creates domestic Returns Management shipments. Allows an application to generate a Return shipment without an outbound shipment - a scenario typically used where customers are requesting a shipping label to return defective products/merchandise.
Shipping labels and documents are created using the [Get Documents Web Service](#).
5. **Get Documents Web Service:** Retrieves shipment labels and documentation for shipments (Commercial Invoices, NAFTA and FDA declaration forms, Dangerous Goods Declaration form). This is not a stand-alone Web Service but is used in conjunction with other Web Services.

6. **Pickup Web Service:** Schedule, modify, validate and void pickups. View your pickup history and upcoming pickups.
7. **Tracking Web Service:** Get detailed tracking information in real-time using a Purolator PIN/tracking number or shipment reference. Tracking events are generated by scanners as a package moves through Purolator's delivery network.
8. **Locator Web Service:** Retrieves information on Purolator depot locations based on address, coordinates, city, point of interest & postal code. Customers can also see which location their shipment is being held for pickup.
9. **Development Testing Aid, or SOAP UI Project File:** this document describes example test cases and sample results for testing your shipping application with Purolator E-Ship Commercial Web Services.
10. **Certification Program:** this guide highlights Purolator's requirements as set forth in the Web Services agreements. It covers the process from enrollment in the program through certification.

2.5.3.1 Documentation Version Convention

In an effort to version control the official Purolator E-Ship Commercial Web Services documentation the following conventions have been applied.

For any specific service group (for example, Tracking Services or Shipping Services) the documentation is called "Service Group Name X.Y.Z" where X.Y is the current Service Group version (for example, 1.0 or 1.1) and Z represents the version of the documentation (for example, 1.1.2).

Additional Examples:

- Shipping Service 1.1.1
This document refers to the Shipping Service version 1.1, and is the first release.
- Tracking Service 1.0.2
This document refers to the Tracking Service version 1.0, and is the second release.

2.5.3.2 Code Samples

Code Samples are provided for each specific Web Service and their respective Sub-Processes or Methods. The following table offers an overview of the eight Web Services Endpoints and 27 Methods.

Code Samples are WSDL files and accessible in three different formats:

- C#
- Java
- PHP

When requesting a WSDL for offline, use [Purolator E-Ship Commercial Web Services Resource Center](#). The archives contains both the Development and Production versions.

Table 5: Overview Web Services Endpoint and Methods

Web Services Endpoint	Method
Service Availability	Validate City/Postal Code/Zip Code
	Get Services Options
	Get Service Rules
Estimates	Get Quick Estimate
	Get Full Estimate
Shipping	Validate Shipment
	Create Shipment
	Void Shipment
	Consolidate
Returns Management	Validate Return Shipment
	Create Return Shipment
Get Documents	Get Documents
	Get Shipment Manifest Document
Pickup	Validate Pickup
	Schedule Pickup
	Get Pickup History
	Modify Pickup
	Void Pickup
Tracking	Track Package By PIN
	Track Package By Reference
	Get Delivery Details
Locator	GetLocationsByAddress
	GetLocationsByCoordinates
	GetLocationsByCity
	GetLocationsByPointOfInterest
	GetLocationsByPostalCode

BUSINESS RULES – DOWNLOAD DOCUMENTATION AND SAMPLE CODE

- ❖ The Developer now has access – on a self-serve basis - to all the necessary documents and sample code to kick off the development process
- ❖ The developer doesn't need a Business Account in order to obtain this documentation, only registration and login needs to be completed in the E-SHIP Resource Center (www.eship.purolator.com)
- ❖ The E-SHIP Resource Center is the only location where the official documents and sample code in their latest version are stored and accessible to the Developer (documentation version convention)
- ❖ The review of the documentation and code samples facilitates the decision on which Purolator E-SHIP Web Services the developer will be using and implementing

2.5.4 Request Development Key

From the start page after login to the E-SHIP Commercial Web Services Resource Center, the Developer should request a development key by clicking on the icon ‘Obtain Development Key’, or selecting the ‘Obtain Development Key’ from the menu in the ‘Resource Centre Links’ on the left.

The screenshot shows the Purolator E-SHIP Commercial Web Services Resource Center. On the left, there's a sidebar with a red border containing a list of links: Home, What are Web Services?, Development Process, Courier Documentation, Freight Documentation, Obtain Development Key, Request Production Key, E-SHIP Developer Forum, and Support. The main content area has a blue header 'Purolator E-SHIP® Web Services'. Below it, there are six sections arranged in a grid-like layout. The first row contains 'GETTING STARTED' (with a play button icon), 'OBTAIN DEVELOPMENT KEY' (with a key icon), and 'PUROLATOR E-SHIP DEVELOPER FORUM' (with a speech bubble icon). The second row contains 'DOCUMENTATION SAMPLE CODE' (with a document icon), 'READY FOR PRODUCTION' (with a clock icon), and 'SUPPORT Contact us' (with a question mark icon). Each section has a 'CLICK HERE' button at the bottom.

Figure 11: Purolator E-SHIP Commercial Web Services Resource Center - Start Page after Login

The selection of the second Integration Type ‘Application for re-sale or CWS’ in the screen below reveals the information required to complete before obtaining the development key.

The screenshot shows the 'Obtain a Development Key' form. On the left, there's a sidebar with a red border containing a list of links: Home, What are Web Services?, Development Process, Courier Documentation, Freight Documentation, Obtain Development Key, Request Production Key, E-SHIP Developer Forum, and Support. The main content area has a blue header 'Obtain a Development Key'. Below it, there's a section titled 'Integration type' with two radio button options. A large blue arrow points downwards from the 'Integration type' section towards the radio buttons. The first option is 'I'm integrating Purolator E-SHIP Web Services into a website or application that won't be re-sold.' and the second option is 'I'm a developer integrating Web Services into an application for re-sale.' Both options have a question mark icon next to them.

Figure 12: Obtain a Development Key Form

The basic account details, including platform type, are entered by the Developer in this form, and sign off on the Terms and Conditions of Use is required.

Obtain a Development Key

To test your Purolator E-Ship Web Services implementation and access the Purolator E-Ship Test Environment, you will need a Development Key. To receive your Development Key, please complete the form below.

Integration type

Please select the profile that best describes you.

- I'm integrating Purolator E-Ship Web Services into a website or application that won't be resold. 
- I'm a developer integrating Web Services into an application for re-sale. 

Account details

* = Required field

Name: **Kevin Bonci**

Email: *

Which website platform/application will web services be used for?: *

Reminder: Use of a Purolator Development Key is governed by the [Terms and Conditions of Use](#).

Submit 

Figure 13: Form to obtain Development Key - Commercial Type

ERC Backend receives the request and releases automatically the Development Key to Developer via email.

BUSINESS RULES – REQUEST DEVELOPMENT KEY

- ❖ Development keys are made available upon request from the 'Obtain a Development Key' page on the Purolator E-Ship Web Services Resource Center after login to www.eship.purolator.com
- ❖ The Development Key enables the Developer to test their Purolator E-Ship Web Services implementation and access the Purolator E-Ship Test Environment
- ❖ The 'Purolator E-Ship Commercial Web Services Developer Agreement – Development' under TERMS and CONDITIONS of USE acts as a legally binding document
- ❖ The Development Key is sent to the developer by email
- ❖ All E-Ship Courier Web Services are automatically set to active, meaning the Developer can use those services and their methods by default
- ❖ By default, all Development and Production keys are restricted to use the 'Ship From' address provided at the initial key request

2.5.5 Planning

The ‘Application Profile Form’ which might have been discussed at the time of registration between the Developer and Field Services will now be thoroughly reviewed by the Developer and the Purolator team in order to cover all bases and determine the final scope of the implementation.

A sample of the Application Profile Form is available in the [Appendix – Bullet 3.17](#).

BUSINESS RULES – PLANNING

- ❖ The Application Profile Form is reviewed in detail between the developer and the Purolator team with the goal to define the final scope on the web services, products, services, and functionalities which need to be implemented

2.5.6 Develop Application

In this section, the development process is tackled in the finest details of the different Web Services and their respective Methods touching on usage, best practices, tips and tricks and additional information for Developers to facilitate the development of the application before the certification process can start.

BUSINESS RULES – DEVELOP APPLICATION

- ❖ The Developer develops the application using the latest version of the documentation and code samples from the E-Ship Web Services Resource Centre
- ❖ The Development Key, Password and Development Test Account number are required to interact with the development environment of Purolator E-Ship Web Services
- ❖ Field Services works with the Developer to address issues and assists with questions while Developer integrates and tests using Purolator guidelines and best practices
- ❖ The ‘Application Profile Form’, including certification scope, defines the scope of the application implementation
- ❖ Once Field Services deems the application ready for certification the case is assigned to Quality Assurance

2.5.6.1 *Using the Development System*

Going through the development process, the Developer needs to be aware of some major differences between the development system and the production system in order to better interpret the testing results and avoid potential misunderstandings of the business rules and guidelines during the development phase. The main differences are:

- Address Validation with the [ValidateCityPostalCodeZip](#) Method are not updated at the same frequency as the Production system
- Service ID and Options from the [GetServicesOptions](#) Method may not be available within the Production environment, as many services are Purolator account specific
- Shipping Labels generated with [Shipping](#) Web Service and [Returns Management](#) Web Service Methods are cached, and contain the same content for all requests
- Tracking with any of the [Tracking Services](#) will always return the same response

- The [Estimates](#) Web Services will not return contract specific prices
- Printing is not enabled: therefore no 'real' labels or 'real' reports, but only dummies, are displayed on screen
- Manifest: The development environment is limited to only providing a 'Sample Manifest' and does not represent the shipments created in the test package
- Testing of Saturday delivery/pickup is not possible in the development environment unless performed on the Saturday itself

[2.5.6.1.1 Test Accounts in the Development environment](#)

The test account numbers (same as billing account and registered account number) are:

- 9999999999 for Courier (10 9s)
- 9999999998 for additional account to enable testing 'collect' and '3rd party' shipments
- F271 for Freight

The Test Account can be configured with one or multiple 'point(s) of origin'. This will require a special configuration setup in cooperation with Purolator Field Services.

[2.5.6.1.2 Validation of credentials - WSDL Files in Development environment](#)

In order to facilitate viewing of the URL in your browser, add the prefix 'dev' and suffix '?wsdl' as is shown in the example below for the Estimate Web Services:

<https://devwebservices.purolator.com/EWS/V1/Estimating/EstimatingService.asmx?wsdl>

'EndPointURL' should point to the development server, as in the example below:

<https://devwebservices.purolator.com/EWS/V1/ServiceAvailability/ServiceAvailabilityService.asmx>

[2.5.6.1.3 Dimension Units](#)

There are two units of measure: 'cm' for centimeters and 'in' for inches.

For billing purposes and labelling Purolator defaults to inches and pounds.

[2.5.6.1.4 Weights](#)

Purolator rules will round-up all weights to the next whole number:

- 1.1kg = 2.0kg in Purolator terms
- 1.1lbs = 2.0lbs in Purolator terms

[2.5.6.1.5 Currency](#)

In Web Services, the currency is assumed to be the currency of the contract negotiated.

[2.5.6.1.6 Date Format](#)

The Date format in Web Services is yyyy-mm-dd.

[2.5.6.1.7 Security](#)

When prompted, or assigning Basic HTTP Authentication credentials within your server side language, provide the Development Key as the Basic HTTP Authentication login, and the Development Password as the Basic HTTP Authentication password.

This is a PHP example of defining Basic HTTP Authentication credentials:

```
10 //Create a SOAP Client
11 $this->_client = new SoapClient( $this->_WSDL,
12                                 array (
13                                     'trace'      => TRUE,
14                                     'location'   => $this->_endPoint,
15                                     'uri'        => 'http://purolator.com/pws/datatypes/v1',
16                                     'login'       => EWS_DEV_KEY,
17                                     'password'    => EWS_DEV_PASSWORD,
18                                     'features'    => SOAP_SINGLE_ELEMENT_ARRAYS
19                                 )
20 );
```

Figure 14: Basic HTTP Authentication Credentials

The endpoint URL for all will begin with [https://devwebservices.purolator.com/...](https://devwebservices.purolator.com/) and should not be used for a Production environment.

2.5.6.1.8 Settings and Configuration menu

The Developer is responsible for having a ‘Login Page’, ‘Settings’ or ‘Configuration’ section in the application where Merchants can add the Activation Key and the Business Account Number.

The Developer is responsible for storing these Merchant credentials in the application and developing a generic code for authentication of user, password and account every time the Merchant accesses the application.

2.5.6.1.9 Test Execution and Test Cases

Testing is a self-guided process for Developers. 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 the Developer conducts formal testing prior to providing the application to Purolator for Quality Assurance and Certification. Purolator may inspect and recommend that additional testing be conducted at their discretion.

Purolator offers its Purolator E-Ship Commercial 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 the online document (Development Testing Aid) may be relevant to your application as this document lists example test cases for all Purolator E-Ship Commercial 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.

The Development Testing Aid (SOAP UI Project File) document is available online at
<https://eship.purolator.com/Site/resourcecentre/samplecode.aspx>

2.5.6.1.10 Developer Support Tools

The list below provides an overview of the different support tools available to developers:

- **Support contact form online** at ‘Resource Center Links’ at <https://eship.purolator.com>
- **Developer Support Forum** at <http://www.purolatorwebservices.com/> provides the developer enhanced documentation including general discussion on best practices along with SOAP/XML and PHP examples
- **Wiki:** <http://www.purolatorwebservices.com/wiki2>
- **Field Services direct Web Services email address:** webservices@purolator.com
- **Purolator E-Ship Help Desk:** For technical questions, call the Purolator E-Ship Help Desk at 1-800-459-5599, and select option 3. (Monday-Friday: 7am – 8pm ET)
- **Development Testing Aid (SOAP UI Project File):** available online at <https://eship.purolator.com/Site/resourcecentre/samplecode.aspx>
- **Tutorials:**
 - How to determine if an address is residential?
<http://www.purolatorwebservices.com/viewtopic.php?f=24&t=100>
 - Resolve shipping errors to a Residential address
<http://www.purolatorwebservices.com/viewtopic.php?f=17&t=99>
 - Estimating Service (GetQuickEstimate)
<http://www.purolatorwebservices.com/viewtopic.php?f=28&t=113>
 - Estimating Service (GetFullEstimate)
<http://www.purolatorwebservices.com/viewtopic.php?f=29&t=112>
 - Estimating Services – US and International
<http://www.purolatorwebservices.com/viewtopic.php?f=11&t=93>
 - CreateShipment: error 1001113 Resolution
<http://www.purolatorwebservices.com/viewtopic.php?f=16&t=83>
 - Shipping Service Introduction
<http://www.purolatorwebservices.com/viewtopic.php?f=16&t=8>

2.5.6.2 Service Availability Web Service

The Service Availability Web Service represents a collection of Methods that play an important role in providing detailed information on services that are available from any origin point in Canada to any destination worldwide. These Methods are the main building blocks of an agile and sustainable implementation of Purolator E-Ship Commercial Web Services.

The three Methods to build this Web Service are:

- [ValidateCityPostalCodeZip](#): Validate Canadian and International addresses
- [GetServicesOptions](#): Report service availability and available options
- [GetServiceRules](#): Report rules for shipment and piece level characteristics

2.5.6.2.1 ValidateCityPostalCodeZip

The [ValidateCityPostalCodeZip](#) Method is used to validate the combination of city, province (or state), postal code (or zip code) and country code.

This is an important step in the integration with Purolator E-Ship Commercial Web Services guaranteeing accurate service options and rules when obtaining estimates and generating shipments.

To ensure a positive end-user experience and avoid errors related to invalid addresses, [ValidateCityPostalCodeZip](#) must be the first Method called.

2.5.6.2.1.1 Usage

ValidateCityPostalCodeZip must be used if you plan to accomplish the following tasks:

1. Obtain a *listing of Services* and their associated options and values. All services, their options and possible values are determined based on the origin and destination address. If either of the two addresses are invalid or incorrect several errors will arise. This can easily result in a poor end-user experience.
2. Get an *estimate* for a shipment
3. *Create a shipment*. Regardless of whether this is a regular shipment, outbound return, or returns management shipment the address needs to be validated to prevent errors.

ValidateCityPostalCodeZip is not required for the following tasks:

1. Tracking Shipments
2. Voiding Shipments

2.5.6.2.1.2 Best Practice

All addresses provided by a user, or back-end data source, must be validated with ValidateCityPostalCodeZip in order to avoid errors during estimates or creation of shipments.

Examples of these errors could be:

- Invalidated address for a shipment request will return a ‘beyond point’ identification of the destination address and result in a surcharge on the shipping cost
- Invalidated address for a shipment request could return a ‘hold for pickup’ scenario instead of being able to deliver to the customer’s address and thus miss out on a satisfied customer

2.5.6.2.1.3 Tips & Tricks

- This Method functions also as a tool to obtain the correct city and province based on a valid postal code and country (i.e. City and province are optional elements)
- Province/State and Country Codes must be represented by 2 digit ISO codes:
e.g. Canada = CA, British Columbia = BC (see also [Appendix - Allowed Code List](#))
- ValidateCityPostalCodeZip will always fail if the provided Postal Code value does not exist. Especially as Purolator’s Service directory is postal code driven.

2.5.6.2.1.4 Next Steps

Once you have developed the code to properly consume the ValidateCityPostalCodeZip Method, it is recommended that you then integrate the GetServicesOptions Method.

2.5.6.2.1.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of these service calls.

2.5.6.2.2 GetServicesOptions

GetServicesOptions must be used to determine which services are available between a sender and receiver address.

Without consuming this Method, an application cannot accurately leverage the Special Handling, Dangerous Goods, Declared Value, Chain Of Signature, Saturday Delivery, Saturday Pickup, Express Cheque, Hold For

Pickup, Residential Signature Domestic, Residential Signature Intl or Origin Signature Not Required options within Purolator E-SHIP Commercial Web Services.

2.5.6.2.2.1 Usage

GetServicesOptions must be used if you plan to accomplish the following tasks:

1. Obtain a *shipping estimate* with GetFullEstimate. Service IDs and option value combination are only made available through the GetServicesOptions Method.
2. *Create a shipment*. Regardless of whether or not this is a regular shipment, outbound return, or returns management shipment as the services and options do not default through Purolator E-SHIP Commercial Web Services.

GetServicesOptions is not required for the following tasks:

1. The GetQuickEstimate Method of Estimates Web Service
2. Tracking Shipments
3. Voiding Shipments

2.5.6.2.2 Brief Description of Options

- *Dangerous Goods* - Safe and secure shipment of regulated materials that require special handling and documentation
- *Chain Of Signature (COS)* - For signature controlled, secure transportation of controlled items such firearms and narcotics
- *ExpressCheque* - (COD) Collect non-cash payment prior to releasing a shipment to the receiver
- *Hold For Pickup* - Shipment being held at Purolator's delivery depot closest to the receiver's address for in-person pick up
- *Saturday Delivery* - Shipment picked up on Friday and delivered by 5 p.m. Saturday
- *Saturday Pickup* - Shipment picked up on Saturday and delivered by 5 p.m. Monday
- *Origin Signature Not Required (OSNR)* - Shipment is authorized to be dropped off without a signature
- *Residential Signature Domestic* - Residential domestic shipment requires signature upon delivery
- *Residential Signature Intl* - Residential US/Intl shipment requires signature upon delivery
- *Special Handling* - Applies for non-packaged items, over-weight pieces, over-sized pieces or unsuitable items
- *Declared Value* - Insurance / cost of goods in the shipment
- *Proactive Notification* – Receive notifications through email for exception updates and delivery updates

2.5.6.2.2.3 Best Practice

GetServicesOptions Method should only be consumed after both the sender and receiver address have been validated by the ValidateCityPostalCodeZip Method

2.5.6.2.2.4 Tips & Tricks

- **Dangerous Goods:** Dangerous Goods shipment will be classified as 'NON DOCS' for the shipping label and additional documentation, and might prompt the shipper to complete Customs and Clearance information after entering the shipment details
- **ExpressCheque:**
 - ⊕ 'ExpressCheque' option can only be used for Canadian shipments
 - ⊕ User Interface (UI): an optional message can be provided in the UI to inform the shipper that special supplies are required: *'Please ensure you have included the following with your shipment: 1 ExpressCheque label, 1 ExpressCheque envelope, and 1 labelope.'*

- User Interface: When selecting the 'Express Cheque' box, the amount, or any other information, should be completed - if not, an error should be returned to the customer informing them that they need to include the amount (and the other additional details, province, postal code, etc.)
- Shipments with Express Cheque include the Lead outbound Pin (Shipment Pin), Express Cheque Receipt and ExpressCheque Pin – this latter should be captured in order to enable tracking later on
- **Saturday Pickup and Delivery** is only valid for the Products ExpressPack, ExpressBox, ExpressEnvelope and Express
- **Saturday Delivery** shipment can only be created on a Friday (transit day must be '1'): our system is based on the computer time of our server to determine if certain services are available or not. Therefore if it is not Friday it will not be returned as an available option.
- **Business rules Business/Residential/OSNR Shipments:**
 - If Business point, default is Signature Required.
 - If Residential point, default is OSNR when there is no preference from the customer (shouldn't be made mandatory)
- **OSNR and RSR** are mutually exclusive, and RSR has priority
- **Special UI Configuration OSNR and RSR** - the following messages should be displayed in the UI when:

Selecting OSNR	Not selecting RSR for Canadian residential delivery points
<p><i>'Please note that the selection of OSNR authorizes delivery without a signature. See our Terms and Conditions of Service at www.Purolator.com for additional details, including your release and indemnification of Purolator from and against any claim resulting from the delivery of this shipment without a signature (i.e. unattended in accordance with our new delivery release procedures).'</i></p>	<p><i>'Please note that by not selecting Residential Signature Required, this shipment will be delivered without a signature in accordance with our OSNR policy and new delivery release procedures. See our Terms and Conditions of Service at (www.purolator.com) for additional details, including your release and indemnification of Purolator from and against any claim resulting from the delivery of this shipment without a signature (i.e. unattended in accordance with our new delivery release procedures).'</i></p>

- Creating a shipment to a receiver address that is determined to be residential point will fail if the ResidentialSignatureDomestic (see #ResidentialSignatureDomestic Validation Rule) or ResidentialSignatureIntl (see #ResidentialSignatureIntl Validation Rule) options have not been correctly defined
- **ResidentialSignatureDomestic**: you must ensure your application defines this as an option (with either the TRUE or FALSE value) in any subsequent CreateShipment requests.

Special Configuration:

If no signature option is setup when creating a shipment then OSNR will be defaulted rather than identifying an 'error'. The Developer will need to provide a selection menu for the Merchant to make the proper selection for the signature required, i.e. RSR Domestic, RSR International.

Note: If ResidentialSignatureDomestic is not listed as an option you cannot define it as an option when submitting requests to CreateShipment.

- **Special Handling:**

- The application must collect and provide this information on any manifest submissions and labels
- Is applicable to either shipment level or piece level
- If a user does not select a Special Handling type, the application must select 'default' (which is not a user-selectable type) as the Special Handling type to indicate that the shipper did not declare a specific Special Handing type
- If a shipment exceeds Weight and/or Dimension limits, select 'Oversize' as the Special Handling type
- For all pieces that have one side \geq 5 feet, automatically apply the Special Handling surcharge. Do not allow the customer to 'deselect' Special Handling unless the length dimension is changed to less than 5 feet

- For all pieces where total package size \geq 165", automatically apply the Special Handling surcharge. Do not allow the customer to 'deselect' Special Handling unless the total package size is reduced to less than 165". Total package size is calculated as: Length+(2x Width)+(2x Height) where length is the longest side
- For pieces where the weight > 70 lbs automatically apply the Special Handling surcharge. Do not allow the customer to 'deselect' Special Handling unless the weight is reduced to less than 70 lbs
- **Declared Value:** The surcharge is 'x' % of the amount of the declared value for all Courier Shipments > C\$100. It is required that the application be designed to allow changes to the default values as indicated by Purolator.
- **Proactive Notification:** the email format will be validated before shipment is created, specifically for [CreateShipment](#) and [CreateReturnManagementShipment](#) Methods.

2.5.6.2.2.5 Next Steps

Once [GetServicesOptions](#) is being properly consumed, the next step is to either integrate [GetServiceRules](#) (recommended) or the [GetQuickEstimate](#) or [GetFullEstimate](#) (recommended) Methods of the Estimates Web Service.

2.5.6.2.2.6 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.2.3 GetServiceRules

The [GetServiceRules](#) Method is used to obtain the characteristics that can be applied to a shipment (and of course pieces within said shipment). These characteristics (for example, minimum and maximum weight) are to be leveraged to allow an application to adhere to the business rules enforced by Purolator E-Ship Commercial Web Services.

[GetServiceRules](#) must be called for *every shipment* as not all services and options are available between all origins and destination points.

[GetServiceRules](#) requires that both the sender and receiver addresses have been validated against the [ValidateCityPostalCodeZip](#) Method to ensure the accuracy of the response.

2.5.6.2.3.1 Usage

[GetServiceRules](#) has been designed to report the possible range of characteristics that can be assigned at the piece and shipment level for any given services.

Requests made to the Estimates Web Service, Shipping Web Service or Returns Management Web Service will fail if a SOAP request envelope ignores the reported rules, or contains a mix of mutually exclusive service options.

2.5.6.2.3.2 Brief Description of the Method

Each service returned by [GetServiceRules](#) will report the following:

- Shipment Level Characteristics
 - Minimum / Maximum Number of Pieces
 - Minimum / Maximum Weight Value and Unit of Measure
 - Maximum Declared Value
 - Maximum Size
- Piece Level Characteristics
 - Minimum / Maximum Piece Weight Value and Unit of Measure
 - Minimum / Maximum Piece Length Value and Unit of Measure
 - Minimum / Maximum Piece Width Value and Unit of Measure
 - Minimum / Maximum Piece Height Value and Unit of Measure
- Service Option Characteristics
 - Mutually Inclusive / Exclusive Service Options combination (if applicable to current Service)

2.5.6.2.3.3 Best Practice

[GetServiceRules](#) Method should only be consumed after both the sender and receiver address have been validated by the [ValidateCityPostalCodeZip](#) Method.

2.5.6.2.3.4 Tips & Tricks

▪ Service rule validation:

Reviewing the response for the [PurolatorExpressBox](#) ServiceID, we are informed of the following rules:

- Shipment Level
 - Must be 1 piece
 - Shipment weight must be between 1lb and 150lbs
 - Maximum Declared Value cannot exceed \$5000.00
- Piece Level
 - Cannot define dimensions for the piece
- Service Options (abbreviated):

Table 6: Service Options and corresponding Business Rules

Service Option	Business Rule needs to be set accordingly as
COS = 'true'	<ul style="list-style-type: none">▪ OriginSignatureRequired (OSNR) CANNOT be 'true'▪ SaturdayDelivery CANNOT be 'true'▪ SaturdayPickup CANNOT be 'true'
DG = 'true'	<ul style="list-style-type: none">▪ OSNR CANNOT be 'true'▪ SaturdayPickup CANNOT be 'true'
HFPU = 'true'	<ul style="list-style-type: none">▪ OSNR CANNOT be 'true'
DangerousGoodsMode = 'Air'	<ul style="list-style-type: none">▪ DangerousGoodsClass CANNOT be 'LessThan500kgExempt'▪ DangerousGoodsClass CANNOT be 'LimitedQuantities'
DangerousGoodsMode = 'Ground'	There are NO exclusions

Any combination of Service Options that are in violation of these rules will be rejected by Purolator E-Ship Commercial Web Services.

- **DangerousGoodsMode** (Ground or Air) depends on the destination address.
- **Weight restrictions:** Adding 9AM or 10:30AM service, you will lose the 150lbs limit and be restricted to 70lbs. Furthermore the different Postal Code Origin and Destination combinations will affect the available services.

- **Weight > 150lbs per piece:** those shipments cannot be serviced through Web Services and the user will need to contact Purolator Customer Service for proper shipment.

2.5.6.2.3.5 Next Steps

Once [GetServiceRules](#) has been properly consumed, the next step is to either integrate [GetQuickEstimate](#) or [GetFullEstimate](#) (recommended) Methods of the [Estimates](#) Web Service.

2.5.6.2.3.6 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.3 Estimates Web Service

The [Estimates Web Service](#) represents a collection of Methods which provide an estimate of costs associated to a shipment based on the service, options and additional characteristics.

Note: estimates are provided only for prepaid services

The two Methods to build this Web Service are:

- [GetQuickEstimate](#)
- [GetFullEstimate](#)

2.5.6.3.1 GetQuickEstimate

The [GetQuickEstimate](#) Method is used to obtain a general shipping cost estimate based on the limited amount of information that can be defined within a SOAP request.

2.5.6.3.1.1 Usage

Typically [GetQuickEstimate](#) is used in special solutions as it cannot calculate the cost of service options or allow the definition of multiple pieces. The Method assumes that a shipment will consist of a single piece (max. 150lbs).

In contrast, the [GetFullEstimate](#) Method will be able to perform complex calculations such as adding multiple pieces, defining multiple service options and dimensional values.

2.5.6.3.1.2 Best Practice

This Method is ideal for customers wanting to estimate straight-forward shipments.

2.5.6.3.1.3 Tips & Tricks

- [GetServiceRules](#) must be called to ensure that the minimum/maximum weight rules are observed within this Method
- Estimates provided by [GetQuickEstimate](#) apply the following defaults:
 - OriginSignatureNotRequired will be defaulted to Residential addresses
 - Shipment consists of only a single piece
 - Shipment dimensional (or cubic) weight is less than the actual weight
- **Minimum values:** the City and Province are optional fields (for Canadian addresses). You can create a successful request only with a Postal Code and Country (CA).

- If city and province are supplied in the request, the address validation must be completed for the receiver with the [ValidateCityPostalCodeZip](#) Method of the Service Availability Service to ensure accurate estimated cost is returned without an error
- **International Estimate (non-US):** For international addresses, the country code and the city are mandatory fields
- Both the Quick Estimate and the Full Estimate will allow you to receive both the discounted prices associated with your business account number and the first tariff prices.
- The [GetQuickEstimate](#) Method is not designed to accept piece dimensions, you will need to use [GetFullEstimate](#)
- **Estimate for multiple services:** you will get a successful estimate based only on the sender and receivers postal code (for Canadian addresses: country code = "CA") which will also return an array of ServiceIDs.
- **Fuel surcharge** is included in the estimate if you use 'GetQuickEstimate' Web Service

2.5.6.3.1.4 Next Steps

Once [GetQuickEstimate](#) has been properly consumed, the next step is to integrate the [Shipping](#) Web Services Methods.

Note: Integrating with [GetQuickEstimate](#) does not meet the requirements for the generation of shipments with the [Shipping](#) Web Service or [Returns Management](#) Web Service Methods.

2.5.6.3.1.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.3.2 GetFullEstimate

The [GetFullEstimate](#) Method is used to obtain a detailed shipping cost estimate based on provided options, their values and characteristics of the shipment.

2.5.6.3.2.1 Usage

This Method differs from the [GetQuickEstimate](#) Method by providing the capability to obtain estimates for multiple piece shipments and service option value combination.

Integrating with [GetFullEstimate](#) is very similar to the [Shipping](#) Service and [Returns Management](#) Service Methods due to the common WSDL types.

2.5.6.3.2.2 Best Practice

[GetFullEstimate](#) Method should be consumed after the [Service Availability](#) Web Service collection of Methods have validated the addresses (of the sender, receiver and any third party) the available services (and option/possible value combination) and associated rules.

Failure to adhere to these requirements will result in a poor end-user experience.

Use either PurolatorExpress or PurolatorGround for Domestic shipments with 'Customer Own Packaging' when using the ShowAlternativeServicesIndicator with a value of TRUE.

2.5.6.3.2.3 Tips & Tricks

- Address validation must be completed for the sender, receiver and any other address elements with the [ValidateCityPostalCodeZip](#) Method of the Service Availability Web Service to ensure accurate estimated cost is returned without an error

- Service and options must be validated against the [GetServicesOptions](#) Method of the Service Availability Web Service or a failure will occur:
 - Please refer to the GetServicesOptions#ResidentialSignatureDomestic Validation Rule
 - Please refer to the GetServicesOptions#ResidentialSignatureIntl Validation Rule

Note: if no signature is selected then OSNR will apply
- [GetServiceRules](#) must be called to ensure that the minimum/maximum weight rules are observed. Service rules and option (mutually inclusive/exclusive) calculations must be validated with the [GetServiceRules](#) Method of the Service Availability Web Service
Please refer to the GetServiceRules#Service Rule Validation
- **Shipment with Total weight > 150lbs:** use the [GetFullEstimate](#) Web Service Method as it will allow you to provide number of pieces, total weight and individual weight per piece
- **Weight and dimensions accuracy:** you can submit multiple pieces and dimensions to each piece (real weight, length, width and height). With this information Purolator automatically calculates the cubed weight and compares it with the real weight submitted. The higher of the two will be charged. There are limitation of box sizes within the documentation however for within the limit, large and light packages, cubing will make a difference in price.
- **First Tariff Prices:** You can receive first tariff prices from the [GetFullEstimate](#) if you are submitting the Payment Type as Credit Card (Credit Card details not required)
- **Estimates for multiple services:** If you set the ShowAlternativeServicesIndicator to TRUE, this will return back an array of ServiceIDs in one call.
Note that the 'ServiceID' is linked to the packaging type: Customer packaging versus Purolator packaging.
In order to return all possible services, then 4 calls will need to be made: 1 call for 'Purolator Express', 1 call for 'Express Envelope', 1 call for 'Express Pack' and 1 call for 'Express Box'.
- **Residential Signature Required (RSR):** you can test to see if an address is "residential" or "business" by running the [GetServiceOptions](#) Method. This will return all options available for your destination address. If Residential Signature is available, this means the address is residential.
- **Fuel surcharge** is included in the estimate if you use [GetFullEstimate](#) Web Service Method.

2.5.6.3.2.4 Next Steps

Once [GetFullEstimate](#) has been properly consumed, the next step is to integrate the [Shipping](#) Web Service or Returns Management Web Service Methods.

2.5.6.3.2.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.4 [Shipping](#) Web Service

The [Shipping](#) Web Service represents a collection of Methods designed to create or void (cancel) courier shipments.

The four Methods to build this Web Service are:

- [ValidateShipment](#)
- [CreateShipment](#)
- [VoidShipment](#)
- [Consolidate](#)

2.5.6.4.1 Validate Shipment

The [ValidateShipment](#) Method as well as the [ValidateReturnShipment](#) Method are both used to ensure the given information for a shipment is valid. Both Methods are using the same logic rules. You can refer to the [Returns Management Web Service](#) category for specific returns management rules.

2.5.6.4.1.1 Usage

[ValidateShipment](#) has been designed with the exact same information as the [CreateShipment](#) Method and should be used prior to the [CreateShipment](#) Method to ensure the given information for a shipment is valid and that no errors are returned.

The [ValidateShipment](#) should be used once the [Service Availability](#) Web Service Methods have been called and that the appropriate service and options have been determined to create a shipment.

2.5.6.4.1.2 Best Practice

Use the [ValidateShipment](#) Method prior to creating a shipment. Once a response with a value of 'True' has been received by the Method, you should then be able to create the shipment without receiving any error messages.

2.5.6.4.1.3 Tips & Tricks

- **What is validated?** The address, products and services are being validated to the equivalent of all previous Methods in [Service Availability](#) Web Services
- **Usage and Restrictions on Street Address field:** From the Street Address information you can ignore the street type, suffix, direction, however you will need to supply the Street Name field. You will need to make sure this contains a valid address ex: "123 Main Street" and it doesn't contain more than 35 characters (receiver).

2.5.6.4.1.4 Next Steps

After successful validation, the [CreateShipment](#) Method can be called.

2.5.6.4.1.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.4.2 Create Shipment

The [CreateShipment](#) Method is used to create shipments using Purolator E-Ship Commercial Web Services. As a result, the PIN number(s) of the generated shipment will be returned.

2.5.6.4.2.1 Usage

This Method will be used for creating all type of shipments (Domestic, U.S. and international), and outbound shipments with return label.

2.5.6.4.2.2 Best Practice

Ideally all previous Methods of [Service Availability](#) Web Service and [ValidateShipment](#) Method should have been prompted before creating a shipment. This will guarantee a successful shipment.

2.5.6.4.2.3 TIPS & TRICKS

- **Street Name Field is mandatory:** When creating a shipment with Web Services, Street Number is an optional field, where the Street Name field is mandatory and it has a limit of 35 characters. If your

'ShipmentInformation' field is larger than 35 characters, it is recommended that you parse your address into StreetNumber / StreetName / Address2 / Address3)

- **Payment Information**: the ability exists for different payment methods: prepaid, collect, 3rd party and credit card
- **Printer type**: you will need to specify 'PrinterType' as either 'Regular' or 'Thermal'. This is the reason for the difference in 'DocumentTypes': DomesticBillOfLading versus DomesticBillOfLadingThermal
- **Saturday delivery shipment** can only be created on a Friday: our system is based on the computer time of our server to determine if certain services are available or not. Therefore if it is not Friday it will fail.
- **Future Shipments**: a future shipments can be created in Web Services not exceeding 10 days and the label with future shipment date gets created right away so that it can be affixed to the package but it shouldn't be picked up by (or given to) Purolator until the future date.
- **Unit of Measure**: mixed unit of measure (metric and imperial) on a shipment level is not allowed. The same unit of measure (metric or imperial) should be handled on the piece level and the shipment level.
- **Residential ship-to versus business ship-to**: If ship in evening then signature required no matter what type of ship-to
- **Documents/Non Documents Indicator**: when creating a 'Documents Only' shipment the web request DocumentsOnlyIndicator should be set to 'true'; in case of 'Non Documents' shipments this indicator will need to be set to 'false'

2.5.6.4.2.4 Next Steps

Once a successful PIN number is returned, the [GetDocuments](#) Method can be called.

2.5.6.4.2.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.4.3 Void Shipment

This Method is designed to void shipments that were created in error, or will not be required. It is important to void all shipments that are not needed.

2.5.6.4.3.1 Usage

[VoidShipment](#) is used to void (or cancel) a shipment that has been created through Purolator E-Ship Commercial Web Services with [CreateShipment](#) Method but not yet shipped.

2.5.6.4.3.2 Best Practice

A shipment can only be voided by the end of the shipment date, and cannot be voided past the actual shipment date.

Always use the shipment PIN (lead PIN) to cancel a multi-piece shipment.

2.5.6.4.3.3 Tips & Tricks

- [VoidShipment](#) can only be used to void (or cancel) an entire shipment: void the lead pin of the outbound shipment
- If a label has been printed through the [GetDocuments](#) Method, it must be discarded or destroyed
- Even if a shipment has been voided through [VoidShipment](#), your account will be invoiced for the shipment if a courier scans the barcode

- [VoidShipment](#) can only void (or cancel) shipments generated with Purolator E-SHIP Commercial Web Services within the same day
- A shipment created in Purolator E-SHIP Commercial Web Services can only be voided in E-SHIP Commercial Web Services

2.5.6.4.3.4 Next Steps

After successfully voiding a shipment, any other Method of the Web Services can be called upon.

2.5.6.4.3.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.4.4 Consolidate

The [Consolidate](#) Method is used to close the day and consolidate the shipments that meet the consolidation criteria.

2.5.6.4.4.1 Usage

Consolidation should be used as an end of day process, this process will allow you to merge two identical shipments (or more) into one single multi-piece shipment allowing you to save on shipping costs.

Once consolidation completed, the manifest can be produced: the [GetShipmentManifest](#) document can be called.

2.5.6.4.4.2 Best Practice

'Manual' Consolidation method should be run at the end of the business day, not before.

2.5.6.4.4.3 Tips & Tricks

- **Automatic Consolidation:** Purolator is automatically consolidating all shipments at midnight (EST)
- Executing this Method is purely optional.
- The consolidation service is very simple to use, no values need to be specified the consolidation will be made according to your KEY/PASS credentials.
- Special Handling (SH) Shipments and Consolidation:
 - ⊕ Two single piece shipments with Special Handling applied will consolidate,
 - ⊕ Two single piece shipments of which one with SH and one without, will not consolidate,
 - ⊕ Two multiple piece shipments with at least one piece in each having SH applied, will consolidate

2.5.6.4.4.4 Next Steps

Now the [GetShipmentManifest](#) Method can be called.

2.5.6.4.4.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.5 Returns Management Web Services

The [CreateReturnShipment](#) Method is used to create Returns Management shipments using Purolator E-SHIP Commercial Web Services where no outbound shipment exists and normally based on a RMA number.

The shipping labels for Returns Management are created using the [Get Documents Web Service](#).

The two Methods to build this Web Service are:

- [ValidateReturnShipment](#)
- [CreateReturnShipment](#)

[2.5.6.5.1 ValidateReturnShipment](#)

The [ValidateReturnShipment](#) Method is used to ensure the given information for a shipment is valid only within Canada. The same logic rules are used as in the [ValidateShipment](#) Method of the [Shipping Web Service](#).

[2.5.6.5.1.1 Usage](#)

[ValidateReturnShipment](#) has been designed with the exact same information as the [CreateReturnShipment](#) Method and should be used prior to the [CreateReturnShipment](#) Method to ensure the given information for a return management shipment is valid and that no errors are returned.

The [ValidateReturnShipment](#) should be used once the [Service Availability](#) Web Service Methods have been called and that the appropriate service and options have been determined to create a return management shipment.

[2.5.6.5.1.2 Best Practice](#)

Use the [ValidateReturnShipment](#) Method prior to creating a return management shipment, once a response with a value of 'True' has been received by the Method, you should then be able to create the return management shipment without receiving any error messages.

[2.5.6.5.1.3 Tips & Tricks](#)

- **What is validated?** The address, products and services are being validated to the equivalent of all previous Methods in [Service Availability](#) Web Services
- **Usage and Restrictions on Street Address field:** From the Street Address information you can ignore the street type, suffix, direction, however you will need to supply the Street Name field. You will need to make sure this contains a valid address ex: "123 Main Street" and it doesn't contain more than 35 characters (receiver).

[2.5.6.5.1.4 Next Steps](#)

After successful validation, the [CreateReturnShipment](#) Method can be called.

[2.5.6.5.1.5 Service Methods and Objects](#)

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

[2.5.6.5.2 Create Returns Management](#)

This Method is designed to create return management shipments within Canada. Web Services will return the PINs for the shipment.

[2.5.6.5.2.1 Usage](#)

This service allows you to create a return shipment with return shipping labels without an associated outbound shipment. Use Purolator E-Ship Commercial Web Services to create return labels that can either be printed and sent to your customer or emailed as an attachment, at no additional charge.

2.5.6.5.2.2 Best Practice

Ideally all previous Methods of [Service Availability](#) Web Service and [ValidateReturnShipment](#) Method should have been prompted before creating a return management shipment. This will guarantee a successful shipment. An RMA number should be obtained by the user before the return shipment is created.

2.5.6.5.2.3 Tips & Tricks

- an RMA number can be registered when creating a return management shipment which will be displayed on the return label
- If an ‘external’ RMA number is not provided, then Web Services will create ‘own’ RMA’ number and will be noted on the return label
- **Printer type:** you will need to specify ‘PrinterType’ as either ‘Regular’ or ‘Thermal’. This is the reason for the difference in ‘DocumentTypes’: DomesticBillOfLading versus DomesticBillOfLadingThermal. If end-user is printing their own labels then ‘regular’ printer is recommended (regular = laser = 8.5”x11”)
- Both Shipper and Receiver address must be Canadian
- Return Management Shipments are billed at time of pickup scan and in case of multi piece returns billing occurs as soon as ONE of those pins are used.

2.5.6.5.2.4 Next Steps

Once a successful PIN number is returned, the [GetDocuments](#) Method can be called.

2.5.6.5.2.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.6 *Get Documents Web Services*

This Web Service will enable the user to retrieve the shipment labels and documentation for shipments.

The two Methods to build this Web Service are:

- [GetDocuments](#)
- [GetShipmentManifestDocument](#)

2.5.6.6.1 Get Documents

The [GetDocuments](#) Method is used to obtain shipment labels and additional shipping documentation. This Method is designed to return an URL for the shipping label in a PDF format which can be printed and attached to the package (e.g. box, envelope, etc.).

Note: The retention period for all shipping documents is same day. If you wish to reprint a shipping document, you must submit another GetDocuments request.

2.5.6.6.1.1 USAGE

The [Get Documents](#) Web Service is used in conjunction with other Web Services, once a shipment has been created using the [Shipping](#) Web Service or [Returns Management](#) Web Service then [Get Documents](#) would be used to obtain the shipping labels and other necessary documents (e.g. commercial invoice, NAFTA, etc.).

2.5.6.6.1.2 List of Document Types

Valid options for this Document Type are:

COSBillOfLading

CustomsInvoice

CustomsInvoiceThermal

DangerousGoodsDeclaration

DomesticBillOfLading (*most commonly used for all regular shipments within Canada*)

DomesticBillOfLadingThermal (*most commonly used for all regular shipments within Canada*)

ExpressChequeReceipt

ExpressChequeReceiptThermal

FCC740

FDA2877

InternationalBillOfLading

InternationalBillOfLadingThermal

NAFTA

2.5.6.6.1.3 Best Practice

Upon receipt of [GetDocuments](#) response, the ‘Document Status’ element can have the value of either ‘pending’ or ‘completed’. It is recommended to download the URL for the label or document in pdf format once the ‘Document Status’ is set to ‘complete’, not before. This can be done by adding a ‘pause’ in the code when calling for the URL, or repeat the call for the URL.

The current scope of [GetDocuments](#) is to retain a copy of the label on the server until midnight. (*It is recommended caching a local copy of the label or document pdf to enable reprinting at a later time.*)

Otherwise if customers decides to delay printing the label, then a new [GetDocuments](#) request would need to be launched in order to obtain a new URL for the same label or document.

2.5.6.6.1.4 Tips & Tricks

- The [GetDocuments](#) Method can retrieve all documents for an entire shipment by providing the lead PIN value (i.e. on shipment level).
- [GetDocuments](#) should be used to retrieve all necessary shipping documents within the same day that the shipment was created.
Note: Purolator keeps a copy of all labels and documents for 2 years.
- In the [GetDocuments](#) Method, the ‘PrinterType’ setting used in the [CreateShipment](#) or [CreateReturnShipment](#) Methods can be overridden.
- **Set Printer Type/Document Type:** There are two ways you can specify the document type which is mandatory (in [CreateShipment](#) or [GetDocuments](#) call):
 - ⊕ In the [Create Shipment](#) request set the Printer type to be either ‘Thermal’ or ‘Regular’: e.g.
<v1:PrinterType>Thermal</v1:PrinterType>
 - ⊕ In the [GetDocuments](#) Method, the Document type can be DomesticBillOfLadingThermal, DomesticBillOfLading etc: e.g.
<v1:DocumentTypes>
<v1:DocumentType>DomesticBillOfLadingThermal</v1:DocumentType>
</v1:DocumentTypes>
- **Future Shipments:** When a future shipments is created in Web Services, the label with future shipment date gets created right away so that it can be affixed to the package but it shouldn’t be picked up by (or

given to) Purolator until the future date. The URL for the label doesn't expire until the end of the future day.

- **Special Configuration:** develop mapping of mandatory six fields that the Merchant needs to complete (in addition to the 'ship from' and 'ship to' information) in order to generate the commercial invoice using the Purolator API (see also [Appendix](#))
 - ⊕ Shipment Details Information
 - ⊕ Sold To Information (if different from Ship To)
 - ⊕ Detail Information
 - ⊕ Duty Information
 - ⊕ Terms and Conditions Information
 - ⊕ Signature and Date Information
- DomesticBillofLadingThermal is available in four different formats: pdf, zpl, dpl and epl.
- **Different Scenarios:** When creating a [GetDocuments](#) requests, the PIN number is a mandatory field. If the Document Type is provided the following scenarios apply:

Table 7: Shipment Scenarios and Document Calls

Shipment Scenario	1st Document Call for shipment PIN	2nd Document Call for shipment PIN	3rd Document Call for special PIN
Standard Domestic	DomesticBillofLading		
Domestic + COS	COSBillofLading		
Domestic + ExpressCheque	DomesticBillOfLading	ExpressChequeReceipt	DomesticBillOfLading For ExpressChequePin
Domestic + COS + ExpressCheque	COSBillOfLading	ExpressChequeReceipt	DomesticBillOfLading For ExpressChequePin
US/Intl - Documents Only	InternationalBillOfLading		
US/Intl - No Docs	InternationalBillOfLading	Customs Invoice	

2.5.6.6.1.5 Next Steps

Once all shipments of the day are completed and the manual consolidation method is called, the [GetShipmentManifestDocument](#) Method can be run.

2.5.6.6.1.6 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.6.2 Get Shipment Manifest Document

The [GetShipmentManifestDocument](#) Method is used to obtain the shipping manifest for the date requested.

2.5.6.6.2.1 Usage

You can get a complete overview of all your shipments/waybills on a specific day by running the web service [GetShipmentManifestDocument](#) at the end of the day.

2.5.6.6.2.2 List of Document Types

The Manifest is only available in laser size document (8x11), not thermal.

2.5.6.6.2.3 Best Practice

This Method should be run at the end of the business day, not before.

Before printing the manifest of the current day, all the shipments based on the production key/account number need to be consolidated through running the [Consolidate](#) Method in the [Shipping Web service](#) (manually).

Note: no date parameter needs to be entered.

Once the consolidation is confirmed <Consolidate>true</Consolidate>, the end of the day manifest can be requested.

2.5.6.6.2.4 Tips & Tricks

- In order to receive a Manifest document (PDF only) containing the shipments you created with Web Services, you will need Production credentials (key, password and account number), that have to be enabled for this particular service.
- **Future Day Manifest:** Because the [Consolidate](#) Web Service only closes the shipments for the current date, a future date manifest cannot be printed until that particular day.
- **Automatic Consolidation:** Purolator is automatically consolidating all shipments at midnight (EST), so no need to manually consolidate if you are printing 'old' manifests (previous dates).
- **The retention period** for all shipping documents is same day. If you wish to reprint a shipping document, you must submit another [GetShipmentManifestDocument](#) request. Manifests can be reprinted up to 24 months after consolidated date.

2.5.6.6.2.5 Next Steps

After the shipments have been created and documents provided, the [Pickup](#) Web Services can be called in case no regular pickup schedule (agreed with customer service or by contract) is in place.

2.5.6.6.2.6 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.7 Pickup Web Services

As the name implies, the [Pickup](#) Service is used to request a Purolator driver to come and pick up the shipments generated throughout the day. Usually the pickup is done using the Sender address and can be requested for the current day (as long as the cut off time hasn't passed), or for a future day.

The five Methods to build this Web Service are:

- [ValidatePickUp](#)
- [SchedulePickup](#)
- [GetPickUpHistory](#)
- [ModifyPickUp](#)
- [VoidPickup](#)

2.5.6.7.1 Validate Pickup

The [ValidatePickup](#) Method is used to ensure the given information for a pickup, created within the Purolator E-SHIP Commercial Web Services, is valid.

2.5.6.7.1.1 Usage

The [ValidatePickup](#) Method is used to validate that all pickup information is correct, and valid before committing the pickup to Purolator's systems.

2.5.6.7.1.2 Best Practice

The advantage of using this Method is that the API will also return the cut off time which is the latest time when you can schedule a pickup for that specific day.

2.5.6.7.1.3 Tips & Tricks

- Even though this is not a mandatory Method, [ValidatePickup](#) provides the benefit of providing the cut-off time for the pickup.
- **What is validated?** The sender address is being validated as well as confirmation of a valid pick up location as per Purolator services.

2.5.6.7.1.4 Next Steps

Once the [ValidatePickup](#) Method is consumed, the [SchedulePickup](#) Method can be called upon.

2.5.6.7.1.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.7.2 Schedule Pickup

The [SchedulePickup](#) Method is used to schedule pickups up to ten days in advance using Purolator E-Ship Commercial Web Services which will provide a Pickup Confirmation Number if successful.

2.5.6.7.2.1 Usage

This functionality is normally used to schedule infrequent or irregular pickups. If there is a regular pickup schedule than this is normally set by contacting customer service or part of the business contract.

2.5.6.7.2.2 Best Practice

Ideally only **one** pickup should be scheduled in a day, preferably at the end of the day, in the E-Ship Commercial Web Services in order to pick up all shipments ready by the end of the business day.

In case a regular pickup schedule can be established then it is recommended to setup a pickup schedule with Purolator customer service.

Before scheduling a new pickup for the same day, it is recommended to void the previous one or to modify the existing pickup in order to facilitate a clean pickup process.

2.5.6.7.2.3 Tips & Tricks

- The **pickup request** should be made at least 1 hour before the cut off time (local time)
- The **pickup address** can be defaulted to the Sender address, however this should be editable by the Merchant if an ad-hoc pickup needs to be requested (i.e. for Returns purposes)
- The **pickup request details** should reflect as best as possible the correct values for: TotalPieces, TotalWeight, Date, AnyTimeAfter, UntilTime etc. These fields should have default values, but the application should allow the Merchant to edit these fields. For 'TotalPieces' and 'TotalWeight', the values should be pre-populated based on the accumulated shipments of the day.

- **Special configuration:** the Developer should configure ‘Pop-up’ comment in UI with special remark or reminder: ‘Advise to create only 1 pickup per day’

2.5.6.7.2.4 Next Steps

Once the [SchedulePickup](#) Method is consumed, the [Tracking](#) Web Service can be called upon.

2.5.6.7.2.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.7.3 GetPickupHistory

The [GetPickupHistory](#) Method returns an array of all pickups found based on a set of search criteria and created within the Purolator E-Ship Commercial Web Services.

2.5.6.7.3.1 Usage

This Method returns the status and the details of a single pickup confirmation number.

2.5.6.7.3.2 Best Practice

This Method can be used to confirm the latest changes of the pickup details of the specific pickup confirmation number.

2.5.6.7.3.3 Tips & Tricks

If the application does not keep track of the pickup details, then use this Method to dynamically retrieve the pickup details.

2.5.6.7.3.4 Next Steps

Once the [GetPickupHistory](#) Method is consumed, the [Tracking](#) Web Service can be called upon.

2.5.6.7.3.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.7.4 ModifyPickup

The [ModifyPickup](#) Method is used to modify scheduled pickups using Purolator E-Ship Commercial Web Services and can only be used for pickups scheduled through Purolator E-Ship Commercial Web Services.

2.5.6.7.4.1 Usage

This Method can be used to update the characteristics of an existing Pickup Confirmation Number: e.g. number of pieces, total weight, etc.

The Pickup Confirmation Number of the originally created pickup is required in order to modify the pickup. The API will not return a new Pickup Confirmation Number but will continue to use the original one.

2.5.6.7.4.2 Best Practice

The usage of this Method will allow to keep the details of the pickup up-to-date in order to have a successful pickup from the driver (e.g. number of pieces, total weight) and is therefore identified as a ‘mandatory’ Method.

2.5.6.7.4.3 Tips & Tricks

- In case the scheduled pickup changes during the day, it is recommended to modify the original scheduled pickup rather than voiding it.
- It is mandatory to implement the [ModifyPickup](#) Method in order to allow the Merchant to modify the pickups rather than voiding them. This setup leads to a cleaner shipping and pickup process.

2.5.6.7.4.4 Next Steps

Once the [ModifyPickup](#) Method is consumed, the [Tracking](#) Web Service can be called upon.

2.5.6.7.4.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.7.5 VoidPickup

The [VoidPickUp](#) Method is used to void or cancel a scheduled pickup that was requested through Purolator E-SHIP Commercial Web Services.

2.5.6.7.5.1 Usage

The Pickup Confirmation Number is required in order to void the pickup.

2.5.6.7.5.2 Best Practice

The [VoidPickup](#) Method is mandatory when setting up the [Pickup](#) Web Services.

2.5.6.7.5.3 Tips & Tricks

- In case the scheduled pickup changes during the day, it is recommended to modify the original scheduled pickup rather than voiding it.
- If the scheduled pickup is not needed at all then the pickup must be voided.

2.5.6.7.5.4 Next Steps

Once the [VoidPickup](#) Method is consumed, the [Tracking](#) Web Service for other shipments can be called upon.

2.5.6.7.5.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.8 Tracking Web Services

The [Tracking](#) Web Service will enable the retrieval of real-time tracking summary information for shipment(s) based on a list of shipment PINs and/or tracking references, and/or get detailed tracking information for a shipment based on a PIN.

The [Tracking](#) Web Service is used to track Domestic, U.S. and International shipments.

The three Methods to build this Web Service are:

- [TrackPackageByPin](#)
- [TrackPackageByReference](#)
- [GetDeliveryDetails](#)

A logical scan history for the valid PIN number or reference will include the following responses and descriptions:

- Shipment Created
- Proof of Pickup - Picked up by Purolator
- Other - Arrived at Sort Facility
- On Delivery - On the Vehicle for Delivery
- Exception Scan – e.g. Weather Delay
- In Transit - On the Vehicle for Delivery
- Delivery - Shipment delivered to destination address

In order to get tracking details of shipment, the [Tracking](#) Web Service requires inputs such as:

- Tracking Sequence Id,
- Tracking Number Type,
- Tracking Number,
- Destination Postal Zip,
- Destination Country Code,
- Shipper Account and
- Shipment date range.

2.5.6.8.1 Track Package By PIN

The [TrackPackageByPin](#) Method allows users to specify a list of shipment pins to retrieve the following information:

- A list of unique shipments found including their corresponding package PINs
- The status of each pin (e.g. Picked Up, Delivered)
- Basic address information (e.g. City, Province, Country)
- Basic shipment information (e.g. Shipment Creation Date, Product, Estimated Delivery Date).

2.5.6.8.1.1 Usage

This Method is used to obtain the summarized tracking information of a shipment PIN.

2.5.6.8.1.2 Best Practice

The tracking information and shipment information should be provided in one call, i.e. shipment summary level detail.

2.5.6.8.1.3 Tips & Tricks

- Maximum of 75 PIN numbers per request

2.5.6.8.1.4 Next Steps

Once the [TrackPackageByPin](#) Method is consumed, the [GetDeliveryDetails](#) Method for the shipments can be called upon.

2.5.6.8.1.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.8.2 Tracking Package By Reference

The [TrackPackageByReference](#) Method allows users to specify a shipment reference to retrieve the following information:

- The unique shipment found including their corresponding package reference
- The status of the shipment reference (e.g. Picked Up, Delivered)
- Basic address information (e.g. City, Province, Country)
- Basic shipment information (e.g. Shipment Creation Date, Product, Estimated Delivery Date).

2.5.6.8.2.1 Usage

This Method is great for tracking shipping status where PINs are not retained by your application. You may specify your shipment Reference to narrow down your response details.

2.5.6.8.2.2 Best Practice

The tracking information and shipment information should be provided in one call, i.e. shipment summary level detail.

2.5.6.8.2.3 Tips & Tricks

- Maximum of 1 Reference per request

2.5.6.8.2.4 Next Steps

Once the [TrackPackageByReference](#) Method is consumed, the [GetDeliveryDetails](#) Method for the shipments can be called upon.

2.5.6.8.2.5 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.8.3 Get Delivery Details

The [GetDeliveryDetails](#) Method is designed to return the delivery details of a specified PIN. It is important to note that you will receive the expected response only when the PIN has been delivered.

2.5.6.8.3.1 Usage

This Method is used to obtain shipment delivery details such as the date and time of delivery.

2.5.6.8.3.2 Overview of the Scanned Tracking Information

- Delivery Scan date and time,
- Delivery Signature Name
- Delivery Signature Image: encoded in base64 binary
- Delivery Name
- Delivery address

2.5.6.8.3.3 Best Practice

The tracking information and shipment information should be provided in one call, i.e. shipment summary level detail.

2.5.6.8.3.4 Tips & Tricks

- Maximum of 1 PIN per request

2.5.6.8.3.5 Next Steps

Once the [GetDeliveryDetails](#) Method is consumed, any kind of Method can be called upon.

2.5.6.8.3.6 Service Methods and Objects

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.9 Locator Web Services

The **Locator** Web Service will enable the retrieval of information on Purolator locations based on address, coordinates, city, point of interest & postal code.

The five Methods to build this Web Service are:

- [GetLocationsByAddress](#)
- [GetLocationsByCoordinates](#)
- [GetLocationsByCity](#)
- [GetLocationsByPointOfInterest](#)
- [GetLocationsByPostalCode](#)

Each Method will have its unique set of elements, which is the minimum required for a valid request. In addition, optional search options can be specified to narrow down the search. Search capabilities are available in both English and French.

The response structure will be the same for all Methods. Results in the response are sorted from closest to furthest distance from the search criteria provided.

2.5.6.9.1 Get Locations By Address

The [GetLocationsByAddress](#) Method is used to find locations near the address provided in the request.

This Method will support the following capabilities:

- Search by address using a combination of: street details, city, province, postal code
- The option to search by other criteria such as: location characteristics, hours of operation, filters

2.5.6.9.2 GetLocationsByCoordinates

The [GetLocationsByCoordinates](#) Method is used to find locations near the latitude and longitude provided in the request.

This Method will support the following capabilities:

- Search for locations by Latitude and Longitude
- The option to search by other criteria such as: location characteristics, hours of operation, filters

2.5.6.9.3 GetLocationsByCity

This Method is used to find locations near the City provided in the request.

This Method will support the following capabilities:

- Search for locations by City
- The option to search by other criteria such as: location characteristics, hours of operation, filters

[2.5.6.9.4 GetLocationsByPointOfInterest](#)

This Method is used to find locations near the Point of Interest, e.g. CN Tower, provided in the request.

[2.5.6.9.5 GetLocationsByPostalCode](#)

GetLocationsByPostalCode is used to find location by Postal Code.

[2.5.6.9.6 Usage](#)

This Locator Web Service will allow the customer to find the closest Purolator location to enable shipping or to identify the location in order to pick up a shipment.

[2.5.6.9.7 Best Practice](#)

Even though this is not a mandatory Web Service, it is recommended to implement this Web Service as this offers you and your customers the added advantage of finding all the necessary information in one application in order to drop off or pick up a shipment.

[2.5.6.9.8 Tips & Tricks](#)

- **Number of Location Types:** If the ‘location type’ is not specified in the request, all 4 location types will be returned in the response: Shipping Center, Shipping Agent, Staples, and DropBox.
- **GetLocationsbyPostalCode specifics:**
 - ✚ US Zip codes are not accepted
 - ✚ PostalCode must follow the standard format: A#A#A#, or A#A #A#
 - ✚ Only a single space will be allowed between the first and last three characters.

[2.5.6.9.9 Next Steps](#)

After consuming this Web Service, any other of the eight Web Services can be called upon.

[2.5.6.9.10 Service Methods and Objects](#)

The visual representations in the [Appendix](#) will depict the XML schema of both the requests, and the responses of the service calls.

2.5.6.10 Overview of Web Services and Methods

As a summary for the development of the application, you will find three tables below providing an overview in order to facilitate the development of the application:

1. Overview of the eight Web Services and their respective Methods that the Developer must develop, 'Mandatory', and has the choice to develop but are strongly recommended
2. Interdependencies and prerequisites for implementing the different Web Services and Methods,
3. Overview of the Purolator products, services, documents and functionalities each identified as 'Mandatory', 'Strongly Recommended' or 'Automatic' elements.

Note: in the case of 'Automatic', the application will automatically apply the specific service based on the data entered by the end-user (e.g. 'Residential area' will automatically apply based on the destination address identified as 'residential')

Table 8: Overview Web Services and Methods – Mandatory or Strongly Recommended

Web Services Endpoint	Method	Mandatory (M) or Strongly Recommended (SR)
Service Availability	Validate City/Postal Code/Zip Code	M
	Get Services Options	M
	Get Service Rules	M
Estimates	Get Quick Estimate	SR
	Get Full Estimate	M
Shipping	Validate Shipment	SR
	Create Shipment	M
	Void Shipment	M
	Consolidate	SR
Returns Management	Validate Return Shipment	SR
	Create Return Shipment	M
Get Documents	Get Documents	M
	Get Shipment Manifest Document	SR
Pickup	Validate Pickup	SR
	Schedule Pickup	M
	Get Pickup History	SR
	Modify Pickup	M
	Void Pickup	M
Tracking	Track Package By PIN	M
	Track Package By Reference	M
	Get Delivery Details	M
Locator	GetLocationsByAddress	SR
	GetLocationsByCoordinates	SR
	GetLocationsByCity	SR
	GetLocationsByPointOfInterest	SR
	GetLocationsByPostalCode	SR

Table 9: Overview Web Services and Methods - Interdependencies

Web Services EndPoint	Method	Method MUST be used if you plan to	Method NOT needed for	Prerequisites (recommendations)
Service Availability				
	ValidateCityPostalCodeZipCode	1. Obtain a listing of Services 2. Estimate for a shipment 3. Create a Shipment	1. Tracking 2. Void Shipment	
	GetServicesOptions	1. GetFullEstimate 2. Create a shipment 3. Returns Management	1. GetQuickEstimate 2. Tracking 3. Void Shipment	ValidateCityPostalCodeZip
	GetServiceRules	1. Estimating Service 2. Shipping Service 3. Returns Management Service		ValidateCityPostalCodeZip GetServicesOptions
Estimates				
	GetQuickEstimate			ValidateCityPostalCodeZip GetServiceRules
	GetFullEstimate	Create Shipment		ValidateCityPostalCodeZip GetServicesOptions GetServiceRules
Shipping				
	ValidateShipment	Create Shipment		ValidateCityPostalCodeZip GetServicesOptions GetServiceRules
	CreateShipment	Void Shipment Consolidate GetDocuments SchedulePickup TrackShipment	Return Management Service	ValidateCityPostalCodeZip GetServicesOptions GetServiceRules ValidateShipment
	VoidShipment	Consolidate		Create Shipment
	Consolidate	GetShipmentManifestDocument		Create Shipment only at the end of the business day
Returns Management				
	ValidateReturnShipment	Create Return Shipment		ValidateCityPostalCodeZip GetServicesOptions GetServiceRules
	CreateReturnShipment	Consolidate GetDocuments SchedulePickup TrackShipment		ValidateCityPostalCodeZip GetServicesOptions GetServiceRules ValidateReturnShipment
Get Documents <i>used in combination with Shipping and Return Management Web Services</i>				
	GetDocuments	ship successfully		CreateShipment
	GetShipmentManifestDocument	ship successfully		CreateShipment Consolidate

Web Services EndPoint	Method	Method MUST be used if you plan to	Method NOT needed for	Prerequisites (recommendations)
Pickup				
	ValidatePickup	SchedulePickup		CreateShipment
	SchedulePickup	GetPickupHistory VoidPickup ModifyPickup	Regular pickup schedule exists as part of the contract or set schedule with customer service	Create Shipment Create Return Shipment
	GetPickupHistory	VoidPickup ModifyPickup		SchedulePickup
	ModifyPickup	Void Pickup		SchedulePickup
	VoidPickup			SchedulePickup
Tracking				
	Track Package By PIN	Track a package		CreateShipment
	Track Package By Reference	Track a package		CreateShipment
	Get Delivery Details	Track a package		CreateShipment
Locator				
	GetLocationsByAddress	Hold for Pickup Shipment Drop off Shipment		
	GetLocationsByCoordinates	Hold for Pickup Shipment Drop off Shipment		
	GetLocationsByCity	Hold for Pickup Shipment Drop off Shipment		
	GetLocationsByPointOfInterest	Hold for Pickup Shipment Drop off Shipment		
	GetLocationsByPostalCode	Hold for Pickup Shipment Drop off Shipment		

Table 10: Overview Purolator Options and Services

SERV	Web Services: Service Availability, Estimates, Shipping, Return Management Shipping Options and Specialized Services (incl. Surcharged Services)	Mandatory (M) or Strongly Recommended (SR)	Link to Web Services Endpoint/Method Validation
1	Dangerous Goods	SR	Service Availability - GetServicesOptions
2	Chain of Signature (COS)	SR	Service Availability - GetServicesOptions
3	ExpressCheque	SR	Service Availability - GetServicesOptions
4	Hold for Pickup (no surcharge)	M	Service Availability - GetServicesOptions
5	Return Services - Return Shipment (no surcharge)	M	Returns Management Shipping
6	Return Services - Outbound Shipment w/return label (no surcharge)	SR	Shipping - Create Shipment
7	Saturday Pickup	M	Service Availability - GetServicesOptions
8	Saturday Delivery	M	Service Availability - GetServicesOptions
9	Origin Signature Not Required - OSNR (no surcharge)	automatic	Service Availability - GetServicesOptions
10	Residential Signature Required (RSR)	M	Service Availability - GetServicesOptions
11	Special Handling - Heavy Weight (>70LBS)	automatic	Service Availability - GetServicesOptions
12	Special Handling - Oversized	automatic	Service Availability - GetServicesOptions
13	Special Handling - Liquid	M	Service Availability - GetServicesOptions
14	Special Handling - Non-packaged	M	Service Availability - GetServicesOptions
15	Special Handling - Management Discretion	M	Service Availability - GetServicesOptions
16	Declared Value	M	Service Availability - GetServicesOptions
17	Advance Shipment Notification at the Shipment level (no surcharge)	SR	Shipping - Create Shipment
18	Proactive Notification (no surcharge)	SR	Shipping - Create Shipment
19	Beyond Point	automatic	Service Availability - GetServicesOptions
20	Multipiece	automatic	Service Availability - GetServiceRules
21	Residential Area	automatic	Service Availability - GetServicesOptions
22	Residential Pickup	M	Estimates
23	Future Shipping Functionality (Max 10 days)	M	Shipping - Create Shipment
24	Cubing (Dimensional Weight)	SR	Estimates Shipping - Create Shipment
25	Payment Types (Sender,Receiver,ThirdParty, CreditCard)	M	Shipping - Create Shipment
26	Calculate Transit Time ¹⁾	automatic	Estimates
27	Expected Delivery Date ²⁾	automatic	Estimates Shipment Tracking
28	Void Functionality	M	Shipping - Void Shipment Pickup - Void Pickup

Table 11: Overview Purolator Options: Get Documents

DOC	Web Service: Get Documents	Mandatory (M) or Strongly Recommended (SR) or Conditional (C) ³⁾	Link to Web Services Endpoint/Method
1	Standard Shipping Label - Domestic	M	Get Documents
2	Standard Shipping Label - Domestic ExpressCheque	C	Get Documents
3	Standard Shipping Label - Domestic Receiver ExpressCheque Receipt	C	Get Documents
4	Standard Shipping Label - Domestic COS	C	Get Documents
5	Standard Shipping Label - Domestic Return Services	C	Get Documents
6	Standard Shipping Label - Domestic Purolator International LOB (PR0299)	M	Get Documents
7	Standard Shipping Label - International	M	Get Documents
8	Custom Shipping Label	SR	n/a
9	Shipping Manifest	M	Get Documents - GetShipmentManifest Document
10	Customs Invoice (US/INTL Commercial Invoice)⁴⁾	M for Cross Border	Get Documents
11	NAFTA Certificate of Origin⁵⁾	M for Cross Border	Get Documents
12	FCC 740 Form: Federal Communications Commission⁵⁾	M for Cross Border	Get Documents
13	FDA 2877 Form: Department of Health and Human Services⁵⁾	M for Cross Border	Get Documents
14	Dangerous Goods Declaration Form for Ground Shipments	M for DG	Get Documents

Table 12: Overview Purolator Options: Application Functionality

FUNCT	Application Functionality	Mandatory (M) or Strongly Recommended (SR)	Link to Web Services Endpoint/Method
1	Generic code for authentication of user, password and account (merchant)	M	n/a
2	Point of origin: one or multiple	M	n/a

Notes:

- 1) Transit Time is the exact number of transit days between a Canadian origin and any destination point. Transit days represent operational days in which the Purolator network is capable of processing shipments.
- 2) Expected Delivery Dates represent the date on which a shipment will be delivered to the destination address. The Shipping Application will factor in holidays, weekends, service restrictions, options such as Saturday service and any other items in determining the Expected Delivery Date. Transit Time calculation is required if this option is selected.
- 3) Conditional: if option is selected, then label is required
- 4) If Cross Border (US and/or International) shipping is selected, then the Shipping Application must be able to produce additional forms which are required for Customs purposes.
- 5) These Customs forms must be supported by the customers Shipping Processes, if not supported by the shipping application

2.5.7 Certification Process

The Developer completes the development and in cooperation with ‘Field Services’ the next step of the process is triggered: Field Services assigns the development case to the Quality Assurance Team (QA).

BUSINESS RULES – CERTIFICATION PROCESS

- ❖ The Certification Process consists of 2 main steps: Testing and Certification
- ❖ ‘Testing’ consists of 2 phases: Readiness phase and Internal Certification Testing
- ❖ The Certification Approval is the result of successful completion of the 2 phases
- ❖ Phase 1: The QA Team receives the ‘testing’ notification and provides the Developer with the Readiness Test Document incl. test cases
- ❖ Phase 2: The QA Team reviews and validates test cases/data, and determines if integration has successfully passed to certification
- ❖ Brand Management reviews screenshots/layouts for brand compliance especially on logo
- ❖ Once certified, QA Team informs Developer to request Production Key and assigns case to Access Management Team

The Developer seeks certification of its Application based on the scope set forth in the Application Profile Form and approved in writing by Purolator. The Developer will not change the Profile at any time during or after the Application’s completion of the Certification Program without Purolator’s express written approval.

Any Purolator-approved changes to the Application’s Profile made after Purolator has certified the Developer’s Application, including without limitation any additional Application functionality or customer-driven requirements, requires the Developer to re-enter the Certification Program and obtain certification on the revised scope.

Purolator does not begin testing your application until a representative of your company accepts the agreement and completes the submission of the Application Profile Form.

2.5.7.1 *Test Application*

Testing the application consists of two phases: Readiness Phase and Internal Certification Testing. Both are described in detail below.

2.5.7.1.1 *Readiness Phase*

This phase starts with a ‘**Testing Kick-off meeting**’ with all the stakeholders in order to organize User Acceptance (UA) Assessment.

Highlights of this meeting are:

- Participants: Developer and team members, Field Services, QA Team, QA Manager, E-Commerce Marketing
- Review the functionality we have agreed to include in the application, based on the agreement where one exists, or based on the enhanced profile, where an agreement does not exist
- Demo of developer’s application by the Developer
- Questions are addressed during the demo (interactive)
- If any gaps are identified during the demo than these are documented in the ‘Defect Log’

- QA Team introduces the '**Readiness Test Suite**' (allows Purolator to confirm the structure of the 'requests send' is correct)

After this meeting, QA Team sends out the '**Certification Test Suite**' to the Developer (suite of test cases that allow Purolator to validate if application is compliant) updated as per agreement and/or additional requirements specific to that application.

This document consists of the following files:

- Application Profile Form
- Readiness Test Suite (17 Core Test Cases)
- Defect Log
- Certification Milestones

The Developer can now start with the '**Readiness Test Suite**' which takes approximately two weeks to complete. The Developer will test 17 Core Test Cases.

The Developer provides Purolator access to the Application by providing, free of charge, a version of the software to be used at a Purolator facility or remote access to the Application. Additionally, the Developer provides any necessary user training and support to Purolator in order to perform the testing.

Note: Successful user interface testing is required prior to production implementations

When testing completed, the Developer sends an email to the QA Team with the following:

- Provide logs of application's output (what is executed), and
- Dates when testing executed.

Ideally this info should be provided in the spreadsheet 'Readiness Test Suite' once all tests are completed.

Purolator returns the results of each submission within five (5) consecutive business days from the date of your submission, unless Purolator needs additional time to work around unforeseen, failed compliance tests or code fixes.

Note: Non-compliant applications are not allowed commercial distribution until all references to Purolator and its products and services are removed.

[2.5.7.1.2 Internal Certification Testing](#)

Upon completion of the 'Readiness Test Suite', the Developer's email triggers the next step, more specifically **Internal Certification Testing**.

The QA Team tests and reviews 50 test cases including the 17 from the Readiness Test Suite as well as testing of different shipping products (approx.15):

- Each single test case is being entered into the Developer's application
- QA Team goes back into the e-Ship environment (DEV) and verifies each test case and respective transactions by date: Request 'in' and response 'out' will be identified as 'success' or not
- QA Team validates each request 'in' and response 'out' with the 'should-be' format from SOAP UI including the transaction itself and the logic behind the values (not the values themselves)

The following tools are being used to document and monitor the progress:

- Internal Progress Document: CWS_UAT_Package_Internal.xlsx
- **Defect Log**, as part of the 'Certification Test Suite' package - all defects are logged with their respective status and updates:

- Used/maintained/updated by both Purolator and Developer
- shared with client (preferably 1 person) through Google Docs
- daily review of the log by Purolator and Developer
- Tasks: defect viewed, addressed and closed
- Certification Milestones** for monitoring process, as part of the ‘Certification Test Suite’ package, list of milestones and respective effective from/to as a checklist for the testers

Weekly meetings with the Developer: additional meetings are scheduled on a need-to basis when defects need to be discussed more extensively.

The **main form of communication** throughout this process happens via email and is a back and forth process until all defects are resolved before going into next phase.

2.5.7.2 Certification

Once the Testing is completed by all stakeholders, the **Confirmation email** is sent for ‘Approved Certification’ to Developer by the QA Team, and the Developer can now start to request the ‘Production Key’.

In addition to the Developer, this email also informs the following stakeholders:

- Field Services
- QA Management
- E-Commerce Project Lead
- E-Commerce Sales

CRITERIA FOR SUCCESSFUL CERTIFICATION

- Successful integration of services according to Purolator guidelines [QA]
- Successful completion of Purolator testing guidelines with defect-free code and accurate error messaging [QA]
- Accurate shipping labels [incl. determine printer type]
- Branding for ‘Ship with Purolator’ button/image/link to be shown on Platform [Brand Management]

Further, Purolator will add the Commercial Provider to the list of E-Ship Certified Providers on www.purolator.com/ecommerce upon an Application’s successful completion of the Certification Program.

2.5.7.2.1 Timeline

The Developer completes the Certification Program within twelve (12) months from the Development Start Date as set forth in Application’s Profile.

2.5.7.2.2 Compliance

The Developer of the Commercial Providers will fully comply at all times with the Specifications for the Services upon which its Application is based. In addition, the Application seeking certification through Purolator’s Certification Program must strictly comply with the Application’s Profile at all times.

2.5.7.2.3 Purolator's Right of Refusal to Certify or Revoke Certification

Purolator may refuse to certify an Application or it may withdraw certification by providing a written notice of intention, including all reasons and a fifteen (15) business days cure period to address the issues if Commercial Provider or Application:

- Are not in compliance with the requirements of this Certification Program and agreements,
- The Application is not in compliance with the Specifications at any time,
- Commercial Provider changes the Profile, without Purolator's written approval,
- Commercial Provider places a version of its Application into a live production environment that is inconsistent with the Application's Purolator-approved Profile,
- Commercial Provider fails to maintain the quality and integrity of its Application,
- Does not maintain currency of its Application with respect to the Specifications, or
- Fails to notify Purolator within thirty (30) business days of new software releases or upgrades that materially alter an Application's certification status.

In addition to revoking or refusing certification in accordance with the agreement, Purolator may also immediately:

- Deny new application implementation requests from Commercial Provider;
- Remove Commercial Provider from its list of certified providers on www.purolator.com

2.5.7.2.4 Purolator Certification Program Changes

Purolator may discontinue or replace/update this Certification Program in its sole discretion at any time without notice.

2.5.8 Request Production Key

Once the development and testing is complete, the Developer needs to apply for a Production Key to allow the Application to be placed into production which is only applicable to the Application for which testing and certification has been completed.

The Production Key can be requested before but will only be activated after certification is approved.

Field Services sends an email to explain the next steps after the Certification process. The Developer needs to login to the E-Ship Resource Center and select 'Request Production Key' or 'Ready for Production' as seen in the screenshot below.

Purolator E-Ship® Web Services

To begin development, please review the E-Ship Web Services [Development Process](#). If you have questions, please visit the [Support](#) section.

GETTING STARTED [CLICK HERE](#) **OBTAIN DEVELOPMENT KEY** [CLICK HERE](#) **PUROLATOR E-SHIP DEVELOPER FORUM** [CLICK HERE](#)

DOCUMENTATION SAMPLE CODE [CLICK HERE](#) **READY FOR PRODUCTION** [CLICK HERE](#) **SUPPORT Contact us** [CLICK HERE](#)

Figure 15: Purolator E-Ship Commercial Web Services - Resource Center

For this integration type, the Developer does not need a business account number. In the form appearing once the integration type is selected (see also screenshot below), the Developer will provide the account details, including platform name, and sign off on the Terms and Conditions, i.e. ‘Purolator E-Ship Commercial Web Services Developer Agreement – Production’.

Purolator E-Ship® Resource Centre

MANAGE PROFILE LOGGED IN AS kbonci@purolator.com LOG OUT

Resource Centre Links

- Home
- What are Web Services?
- Development Process
- Documentation & Samples
- Obtain Development Key
- Request Production Key**
- E-Ship Developer Forum
- Support

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. Once activated, you can begin using Purolator E-Ship Web Services.

Please note that if you're integrating Purolator E-Ship Web Services into a website or application on behalf of a Purolator Business Account holder, the account holder must request the Production Key.

Integration type

Get started by selecting the profile that best describes you.

I'm integrating Purolator E-Ship Web Services into a website or application that won't be re-sold. ?

I'm a developer integrating Web Services into an application for re-sale. ?

Account details

* = Required field

Figure 16: Request a Production Key

The Developer will receive an inactive Production Key until the request is reviewed by the Access Management Team.

Purolator processes requests for new customer installations upon receipt, and provides required information to enable a new customer installation within 2 business days.

Once activated, the platform will be available on the Purolator Resource Center and Merchants can start requesting ‘Activation Keys’ in order to use the application.

BUSINESS RULES – REQUEST PRODUCTION KEY

- ❖ In the ‘Certification Approval’ Email, the Developer is informed to request a Production Key
- ❖ The Production Key can be requested from the ‘Resource Centre Links’ page on the Purolator E-Ship Web Services Resource Center after login to www.eship.purolator.com
- ❖ The ‘Purolator E-Ship Commercial Web Services Developer Agreement – Production’ under TERMS and CONDITIONS of USE acts as a legally binding document for the Developer
- ❖ The Production key is sent to the Developer by email
- ❖ The Production Key, once enabled, will allow the Developer to place the application into production

2.5.9 Activate system - Go Live process

As soon as the Production Key is activated, the application is ready for commercialization. The Production Key needs to be configured in the application.

BUSINESS RULES – GO LIVE PROCESS

- ❖ The Developer enters the ‘Production Key’ into their application upon which the application is ready for onboarding Merchants using their Purolator credentials

Note: only the Web Services part of the scope and certification will be activated

Tips and Tricks for switch from Development to Production environment:

- A Development Key and Password combination cannot be used with an active Purolator account number
- The Development Key must be replaced by the Production key in the configuration settings
- The Development test account must be replaced with the Production Business Account (e.g. first customer)
- Development URL should be replaced with the Production URL:
All endpoints for the Production environment begin with <https://webservices.purolator.com/>...
- Even though the Production Key and password have been generated, they will not be active until the actual certification has been completed
- Any demo shipments created in the Production environment as a matter of demonstration to customers will need to be deleted (void shipment) before the end of the day as this is now a ‘live’ shipment.

2.5.10 Stabilization

During the Stabilization phase, the Developer provides support to the mutual customers of the Developer and Purolator.

Purolator’s E-Commerce Marketing team obtains feedback from the Developer in order to further stabilize and optimize the application.

2.5.11 Maintain Compliance

Once certification has been awarded to an Application, Purolator requires that the Developer of the Commercial Provider maintain the quality and integrity of its Application.

Purolator has monitoring tools and maintains regular communication with the Commercial Provider on any production issues found. All production issues are communicated to the Commercial Provider and the Commercial Provider is expected to acknowledge receipt within 24 hours. The Commercial Provider is required to work with Purolator in good faith and correct any production issues identified by Purolator in the Application.

Commercial Providers are responsible for ensuring that any changes to its shipping application do not result in non-compliance with Purolator’s certification requirements. Purolator performs basic compliance checks in connection with the implementation of new customers.

Commercial Providers are responsible for obtaining approval from Purolator for any customer-driven requirements that conflict with the certification requirements outlined in the Specifications.

2.5.11.1 Requirement to Maintain Application Currency

Purolator's commitment of continuous improvement and innovation to its customers leads to changes to Purolator's requirements and specifications as a result of the following:

- Introduction of new products and services,
- New, expanded or altered pricing structures and Methods,
- Improvements to bar-code, label and other encoding practices and structures,
- New or changed output formats and appearance.

Commercial Providers maintains its Application's currency with the most recently released version of the applicable Specifications. Each time Purolator issues a new version of the applicable Specifications Purolator notifies Commercial Providers of such updates.

Depending on the situation, there are two scenarios:

- Enforced changes (e.g. enhanced label),
- Changes to comply with, within a certain timeframe (e.g. CWS enhancement).

Commercial Providers update their Application to the most recently released version of the Specifications.

In the event that Purolator releases a new version of the applicable Specifications while the Commercial Provider is in the course of obtaining certification of an Application, the Developer may elect to either continue to obtain certification on the previous version of the Specifications or re-direct certification efforts to Purolator's most recently released version of the Specifications.

Provided that the Commercial Provider remains in compliance with Purolator's Certification Program, the Commercial Provider may:

- Represent to its customers that its Application certified in accordance with this Certification Program are compatible for use in connection with Purolator's products and services, and
- Subject to the Terms and Conditions of Site Use available at www.purolator.com, provide a link to www.purolator.com from its website.

Any publication by a vendor that refers to this Certification Program and/or Purolator must be approved in writing by Purolator in advance.

BUSINESS RULES – MAINTAIN COMPLIANCE

- ❖ Purolator notifies the Developer of updated Specifications and Compliance requirements
- ❖ Developer maintains updates and compliance with newer versions of the Specifications, as amended by Purolator (might trigger new certification process)

2.6 Key Milestones of the Implementation Process – Merchant

The activities of the Developer are completely independent from the activities of the Merchant. Nevertheless, the Merchant can only activate and start using the application once the Developer has deployed the Certified Web Services into the production environment, not before. In the detailed process overview at the beginning of this chapter, the complete process for the Merchant is described [graphically](#).

For the sake of simplicity we use ‘Merchant’ in this document even though this term could represent any of the other entities within this group of users such as a Retailer, a Wholesales, an End-User or a Customer.

As described in the Business Requirements chapter and the [RACI matrix](#), there are five key milestones in the development and implementation process for the Merchant which will be described in detail in the following section. They are:

- Step 1. Open Business Account
- Step 2. Register for the E-SHIP Resource center
- Step 3. Request Activation Key
- Step 4. Activate system - Go Live process
- Step 5. Stabilization

2.6.1 Open Business Account

In order for the Merchant to start shipping, the Merchant needs to open a Purolator Business Account. A Purolator Business Account provides the Merchant with many benefits, including greater visibility on shipments, a faster and more convenient way to pay, the ability to consolidate and save on shipping and much more.

The current process map for a new customer to obtain their Purolator Business Account for an E-SHIP Commercial Web Services application is illustrated below:

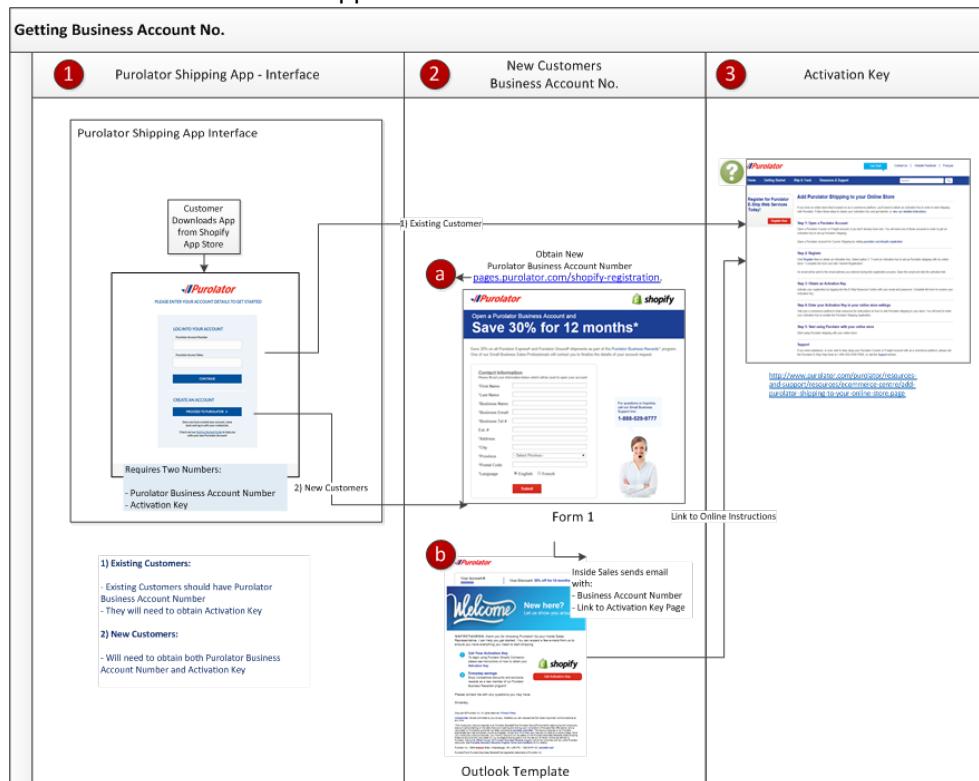


Figure 17: Process Map for Getting Business Account Number

First the Customer downloads the application from the e-commerce marketplace and responds to preliminary questions on the application. The Customer determines that two numbers are required to start the application, namely:

- Business Account Number
- Activation Key

The Customer clicks the assisting icons and links available to obtain instructions and then proceeds to get the two numbers:

- New customers require both Business Account Number and Activation Key
- Existing customers only require Activation Key.

In step 2, in order to obtain a Purolator Business Account Number, the New Customer needs to fill out Form 1 (step 2a) with the following information:

- First Name
- Last Name
- Business Name
- Business Tel #
- Ext. #
- Address
- City
- Province
- Postal Code
- Language
- Opt-In
- Comments
- and click on Submit Button.

Subsequently this information creates a lead for Inside Sales. Inside Sales contacts the new customer, i.e. Merchant, to vet them for shipping needs and generates a Purolator Business Account Number. Inside Sales then sends email to the Merchant providing the new Purolator Business Account Number. The email also contains a Button for Merchants to go get the Activation Key.

BUSINESS RULES – OPEN BUSINESS ACCOUNT

- ❖ A Purolator Business Account can be opened by all types of Merchants: retailers, wholesalers, distributors, manufacturers whose primary concern is not technology enablement but shipping their goods to customers as part of the e-commerce strategy. They are e-commerce product sellers.
- ❖ A Merchant is required to open a Purolator Business Account in order to obtain existing contract pricing, discounted pricing and additional benefits and services inherent to having a business account with Purolator (<http://www.purolator.com>)
- ❖ The Merchant requires a Purolator Business Account prior to requesting an Activation Key which in turn is required to setup the certified application for usage
- ❖ A Welcome email is sent to the Merchant confirming the new Business Account number

2.6.2 Register for the E-SHIP Resource center in App

As described above, the Merchant receives a Welcome email after opening a Business Account Number through which the registration for the E-SHIP Resource Center can be completed and the Activation Key can be requested.

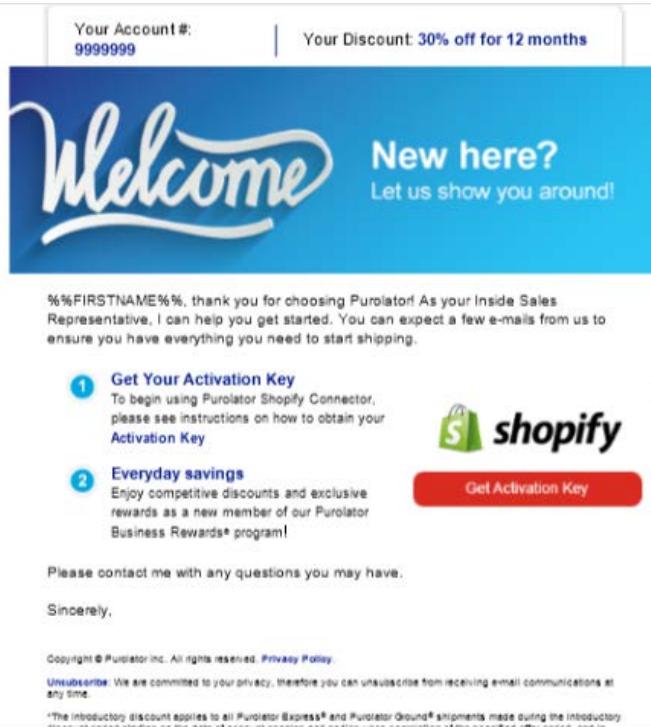


Figure 18: Welcome Email to Merchant

By clicking on the 'Activation Key' link in the Welcome email, the Merchant is redirected to the webpage 'Add Purolator Shipping to your Online Store' <http://www.purolator.com/purolator/resources-and-support/resources/ecommerce-centre/add-purolator-shipping-to-your-online-store.page> in which the different subsequent steps are explained.

In case the Merchant already has a Purolator Business Account number, the Merchant can go straight to www.purolator.com/eship and click 'Register Now' on the left-hand side of the screen.

Add Purolator Shipping to your Online Store

If you have an online store that is based on an e-commerce platform, you'll need to obtain an Activation Key in order to start shipping with Purolator. Follow these steps to obtain your Activation Key and get started, or view our detailed instructions.

Step 1: Open a Purolator Account
Open a Purolator Courier or Freight account, if you don't already have one. You will need one of these accounts in order to get an Activation Key to set up Purolator Shipping.

Open a Purolator Account for Courier Shipping by visiting purolator.com/shopify-registration

Step 2: Register
Click Register Now to obtain an Activation Key. Select option 3: "I want an Activation Key to set up Purolator shipping with my online store." Complete the form and click "Submit Registration".

An email will be sent to the email address you entered during this registration process. Open the email and click the activation link.

Step 3: Obtain an Activation Key
Activate your registration by logging into the E-Ship Resource Centre with your email and password. Complete the form to receive your Activation Key.

Step 4: Enter your Activation Key in your online store settings
Visit your e-commerce platform's help resources for instructions on how to add Purolator shipping to your store. You will need to enter your Activation Key to enable the Purolator Shipping Application.

Step 5: Start using Purolator with your online store
Start using Purolator shipping with your online store.

Support
If you need assistance, or ever wish to stop using your Purolator Courier or Freight Account with an e-commerce platform, please call the Purolator E-Ship Help Desk at 1-800-459-5599 FREE, or visit the [Support](#) section.

Figure 19: Add Purolator Shipping to your Online Store

By clicking on the 'Register Now' button, the Merchant is redirected to the 'Purolator E-Ship Commercial Web Services Registration' page and will select the 3rd radial button: *I want an Activation Key to set up Purolator shipping with my online store.*

Welcome to the Purolator E-Ship® Resource Centre. Register now to begin using Purolator E-Ship Web Services. **REGISTER**

Purolator E-Ship® Web Services Registration

Registering for the Purolator E-Ship Resource Centre is fast, easy and free. Once you've registered, you can:

- View Web Services documentation and sample code
- Obtain a Web Services Development Key
- Request a Web Services Production Key
- Access the Purolator E-Ship Developer Forum

Web services profile

Get started by selecting the profile the best describes you.

I'm a developer and want to integrate Web Services into a website or application. I have development resources and want to integrate Web Services into my website or application that won't be re-sold. I want an Activation Key to set up Purolator shipping with my online store.

Profile information

* = Required field

Figure 20: E-Ship Commercial Web Services Registration - Merchant

Subsequently the following information must be completed by the Merchant:

- Profile and contact information
- Terms and Conditions need to be signed off before proceeding

Once the Merchant clicks the ‘Submit registration’ button, a validation email confirming the ‘Registration’ is sent to the Merchant with the request to click on the ‘Activation link’ in the email. In addition, the email provides some ‘Getting Started’ tips to the Merchant as well as further steps of the integration process.

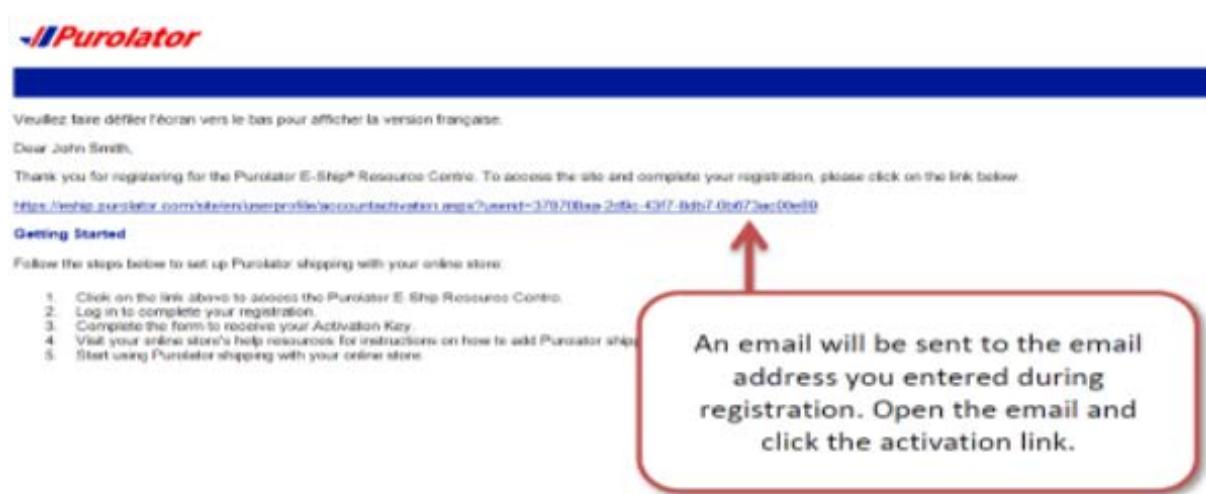


Figure 21: Email Registration confirmation - Merchant

The ‘Activation Link’ from the ‘Registration Completed email’ directs the Merchant to Login to the Resource Center with the email address and password provided during registration in order to activate the registration.

The image shows the Purolator Resource Center login page. It has a blue header with the word 'Login'. Below the header are fields for 'Email' and 'Password', each with a corresponding input box. To the right of the password field is a 'LOGIN' button with a small red icon. Below these fields are two buttons: 'Forgot Password?' and 'REGISTER', both with small red icons. At the bottom of the page is a red 'Home' button with a play icon. The background of the page is white.

Figure 22: Complete Registration - Merchant

BUSINESS RULES – REGISTER FOR E-SHIP RESOURCE CENTER IN APP

- ❖ TERMS and CONDITIONS ‘PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT’ act as a legally binding document
- ❖ A validation email is sent to the Merchant to confirm email address and activate the registration

2.6.3 Request Activation Key

Subsequently the online form ‘Obtain Activation Key’ appears which needs to be completed and submitted by the Purolator Business Account holder, i.e. the Merchant:

- Name – Pre-Filled
- Email
- Purolator Business Account Number
- Which e-commerce platform is your online store using?
- Opt-In to verify that they are Purolator account holder and primary contact person.

Obtain an Activation Key

If you have an online store that is based on an e-commerce platform, you'll need to obtain an Activation Key in order to start shipping with Purolator. Please complete the form below to receive your Activation Key.

If you need assistance, please call the Purolator E-Ship Help Desk at 1-800-459-5599, or visit the [Support](#) section.

Activation information

Don't have a Purolator Business account yet? [Request one today.](#)

* = Required field

Name:

Email: *

Purolator Business Account number: *

Which e-commerce platform is your online store using?: *

For security purposes, you must be the Purolator Business Account holder or the primary contact person for the account.

I verify that I'm the Purolator account holder and the primary contact person for this account.

Terms and Conditions

Figure 23: Obtain Activation Key Form

The Merchant gets the Activation Key once the form is submitted on the screen and an email will be sent to the Merchant with the Activation Key details.

Resource Centre Links

- ▶ Home
- ▶ Open a Business Account
- ▶ Purolator Extension
- ▶ Support

Activation details

Thank you for using Purolator E-Ship Web Services. Please visit your e-commerce platform's help resources for instructions on how to add Purolator shipping to your store. You will need to enter your Activation Key to enable Purolator.

For your records, your activation credentials have also been sent to your email.

Activation details:

- Activation key: ed86a3c9-f2fe-4b8d-8722-1aaa00000bbb
- E-commerce platform: Test Company
- Purolator Business Account number: 0000000

If you need assistance, please call the Purolator E-Ship Help Desk at 1-800-459-5599, or visit the [Support](#) section.

Figure 24: Activation Key Details

BUSINESS RULES – REQUEST ACTIVATION KEY

- ❖ The Activation Key is required to setup the certified application within a platform
- ❖ The Activation Key can only be requested by the Merchant
- ❖ The Merchant will require a Purolator Business Account Number prior to requesting an Activation Key
- ❖ Merchants will need to agree to the TERMS and CONDITIONS ‘PUROLATOR E-SHIP RESOURCE CENTRE AGREEMENT’ that act as a legally binding document
- ❖ The Activation Key can only be activated once the application has been certified and is in production

2.6.4 Activate System – Go Live Process

The Merchant can now copy the Activation Key, or Purolator Access Token, into the Partner e-commerce application with the respective Purolator Business Account number to enable the Purolator Extension and start using the Shipping Services.

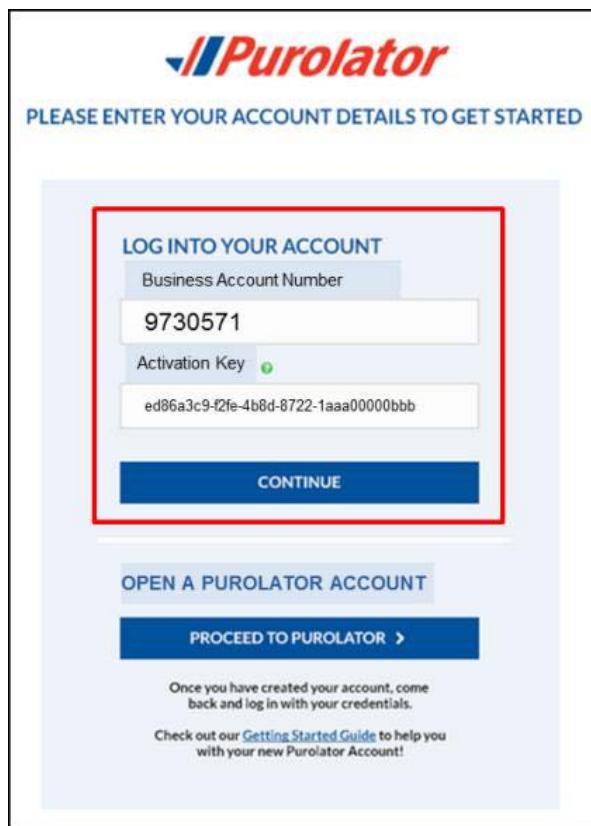


Figure 25: Enable the Purolator Extension - Merchant

2.6.5 Stabilization

In this final step, E-Commerce Marketing of Purolator obtains feedback from the Merchant in order to further stabilize and optimize the application.

2.7 Security

Purolator E-Ship Commercial Web Services authentication uses the standard HTTP Basic Authentication method allowing client programs to provide credentials in the form of a user name and password when making an HTTP request. In the case of CWS, the username corresponds to the Development and Production Key that is issued to you by Purolator when you signed up for Purolator E-Ship Commercial Web Services. These credentials are sent from your client programs to our Purolator E-Ship Commercial Web Services servers securely using SSL.

Multiple service requests submitted with the wrong password (currently over 4 times), flags the key as locked and updates the key last locked date. Subsequent Web Service requests submitted with the same key will be locked out.

2.7.1 Security Options

Purolator developed a layered approach to provide you with options to secure your interaction with our services. The three layers are Shipping Origin, IP Source and Domain Source. Other security options may also be available.

2.7.1.1 *Shipping Origin*

When you request a production key, you are asked to enter the shipping origin address. By default, that is the one and only shipping origin address that can be used to process shipments.

2.7.1.2 *IP Source*

We also have the ability to restrict the use of your key to a list of IP addresses. This ensures that only applications you designate can send requests to us.

2.7.1.3 *Domain Source*

Similar to restricting by IP, we can also restrict use of your key to a list of domain names. These names must be registered with ICANN and be publicly resolvable.

2.7.1.4 *Other options*

Should you have different security requirements, please contact us to discuss them. We will be pleased to work with you to design a security solution that meets your needs.

In this case, please contact us via email at webservices@purolator.com or call us at 1-800-459-5599, providing your production key for identification purposes.

Certain functionality is dependent on the implementation model used. Please consult with your Purolator Sales Executive to determine the implementation model that best meets your needs.

2.7.2 Purolator Systems – Downtime and Service Suspensions

Purolator will endeavor to provide you email notice of any Service Suspension in accordance with the notice provisions set forth in Section 15 of the Purolator Resource Centre Agreement. Purolator will endeavor to post updates at www.purolator.com regarding resumption of access to the Resource Centre and the Materials following any such suspension, but shall have no liability for the manner in which Purolator may do so or if Purolator fails to do so.

2.8 Technical Resources and support

Most delivery services and delivery options are offered through Purolator E-Ship Commercial Web Services and it is expected that as new delivery services are developed, they will be made available through Web Services.

Each E-Ship Web Service is versioned and documented in a technical specification available in the Documentation and Sample Code section of the Purolator E-Ship Resource Centre. The documentation describes Purolator's service offerings, how to implement each Web Service, and sample code. Developers can use this documentation to build applications that interact with Purolator.

It is not Purolator's intent to introduce changes that will force developers to update their code. Rather, for a given Web Service, the intention is to date distribute new delivery services as values within the existing framework. For changes that cannot be date distributed, Purolator will create new Web Services. This approach reduces the risk that downstream coding will be required and allows for existing functionality to be supported. It also enables you to implement these new services when you choose to invest in development, testing and implementation activities.

New delivery services and delivery options are introduced as needed to address business conditions. These changes result in updated documentation, announced and published to developers in advance on the Purolator E-Ship Resource Centre. The same holds true for changes relating to clarifications and defect fixes; these are announced and published in advance in an updated version of a document. It is therefore recommended that you log into the Purolator E-Ship Resource Center periodically to keep abreast of changes.

2.8.1 Developer Support

Purolator provides the Developer of the Commercial Providers, during the Term of the Agreement, with support regarding the Certification Program and compliance with the Specifications by granting Commercial Provider access to:

- **Support contact form online:** a web input form accessible from the Resource Centre at <https://eship.purolator.com> which, when completed, will notify the Purolator developer support team to respond
- **Developer Support Forum:** upon the Developer's registration and acceptance of the associated terms of use, the Purolator E-Ship Developer Forum accessible through the Resource Centre by clicking the 'E-Ship Developer Forum' provides the developer enhanced documentation including general discussion on best practices along with SOAP/XML and PHP examples - <http://www.purolatorwebservices.com/>
- **Wiki:** www.purolatorwebservices.com/wiki2
- **Development Testing Aid (SOAP UI Project File):** available online at <https://eship.purolator.com/Site/resourcecentre/samplecode.aspx>
- **Field Services direct Web Services email address:** webservices@purolator.com
- **Purolator E-Ship Help Desk:** For technical questions, call the Purolator E-Ship Help Desk at 1-800-459-5599, and select option 3. (Monday-Friday: 7am – 8pm ET)
- **Email at** clientservices@purolator.com or contact your Purolator Sales Representative.

Support is offered on the Purolator E-Ship Resource Center at www.purolator.com/eship. This includes documentation, code samples, sample test cases with expected results, access to the E-Ship Developer Forum, and access to request Development and Production Keys.

2.8.2 Testing and Certification Support

Purolator provides the Developer of the Commercial Providers, during the Term of the Agreement, with support regarding testing and certification via email at qualityassurance@purolator.com

2.8.3 Production Support

Purolator provides the Commercial Providers ongoing production support in their implementation of customers as well as general inquiries by providing access to the Purolator E-Ship Help Desk , available from 9:00 am to 5:00 pm Eastern Standard Time on Mondays through to and including Fridays, except on federal or provincial statutory holidays, via:

- telephone at 1-800-459-5599;
- email at shippingchannelsupport@purolator.com ; or
- live chat accessible through Purolator's website at www.purolator.com

2.8.4 Maintenance Windows

While Purolator makes every effort to ensure maximum availability of its E-Ship Commercial Web Services, please be aware that maintenance windows will occur.

Maintenance windows are comprised of scheduled downtime and periodic maintenance:

- **Scheduled Downtimes** means some or all functionality will not be present during this window
- **Periodic Maintenance** means some or all functionality may not be present during this window.

2.8.4.1 *Web Services Scheduled Downtimes*

Window*	Service Impact
Monday to Saturday 03:00 to 05:00	Tracking Service & Cancel Shipment Functionality
Saturday/Sunday 21:00 to 05:00	
Sunday 00:00 to 07:00 at Purolator's month end. Contact Purolator for the specific schedule.	Estimating Service**

* All times Eastern Times (ET)

**If you require the Estimate Service during these scheduled downtimes please contact your Purolator sales representative or complete the form available in the Support section on the Purolator E-Ship Resource Centre.

2.8.4.2 *Web Services Periodic Maintenance*

Window*	Service Impact
Tuesday 01:00 to 05:00	Network & infrastructure changes
Sundays 00:00 to 07:00	
Friday/ Saturday 23:00 to 05:00	Web Services application updates

* All times Eastern Times (ET)

Prior to the maintenance and where possible, Client notifications will be provided.

3 Appendix

3.1 Business Rules Summary

Business Rule Topic	Business Rule Description
Account	Customer account is either a Purolator account (PURO) or a Purolator International (PI) account but not both
Account number	Account number is 7 digits long and is padded with leading zeroes to become 10-digits long for manifest
Billing	Collect shipments only for shipments within Canada, not for US or international shipments
Billing	Third party billing: only used for Canadian 3rd party billing addresses
Cancel shipment	You can cancel shipments up to 11:59:59 p.m. ET of the Shipment Date. After that time, a Credit Request can be directed to Accounts Receivable after the Purolator invoice has been received with the applicable PIN. You can also call us at 1 888 SHIP-123 for additional help.
Commercial Invoice	Contact Name and Contact Telephone Number must be printed on the Commercial Invoice and populated in the electronic manifest if the sender is paying for duties and taxes. Sold-To must be in the same country as the Ship-To.
COS	Chain of Signature (COS) label must be affixed on each individual package
COS	Bill to sender is the only acceptable payment type for COS
COS	COS with ExpressCheque option: 2 separate labels: 1 label for COS (4"x10") and 1 label for ExpressCheque return and receipt (4"x6")
Courier Shipments	Each Piece in the Shipment must weigh no more than 70 lbs (approx. 32 kg) for the service guarantee to apply
Cubing	Customer is charged the calculated cubic weight if > scale weight
Cubing	Cubing factor depends on the mode of transportation (Air or Ground) and is defined in the Contract Files and are subject to change
Cubing	Default 'Ground Cube factor' is 10.4 and 'Air Cube Factor' is 15 - the Cubing Factor for Air and Ground is defined in the Contract files
Cubing	Not required for Express Envelope, Pack or Box
Cubing	Declared weight per piece on label and e-Manifest submission
Cubing	Declared shipment weight on e-Manifest submission
Cubing	Billable weight on paper manifest and used for rating
Cubing	The declared weight per piece must be used in the e-Manifest submission for individual packages (Line Item Service Record). In addition, if package dimensions are being captured then these are to be included in the e-Manifest Line Item Service Record
Cubing	The declared shipment weight must be used in the e-Manifest submission as the Shipment Weight (Shipment Record)

Business Rule Topic	Business Rule Description
Dangerous Goods	<500 kg exemption is only available for 'Ground' and restricted to 66lbs. (29.94kg) per piece
Dangerous Goods	Limited Quantities (Consumer Commodities) is only available for 'Ground' and restricted to 66lbs. (29.94kg) per piece - Each shipping label will be marked with the wording, "Limited Quantity"
Dangerous Goods	DG and special handling: DG precedes always special handling when used together except for 'limited quantity'
Dangerous Goods	<500kg to Ferry Point needs to be upgraded to fully regulated shipment
Dangerous Goods	Air and Ground mode of transport is available
Dangerous Goods	UN1845 Dry Ice: can be shipped to U.S. and International destinations via air only
Dangerous Goods	Each shipping label will be marked with the wording, '<500KG Shipper's declaration not required'
Dangerous Goods	Dangers Goods: Limited Quantities / Consumer Commodity - no DG surcharge is applied to these consignments
Dangerous Goods	Dangers Goods: UN3373 Biological Substances, Category B - UN3373 is partially regulated. A DG surcharge will be applied to these consignments
Dangerous Goods	Setup of the web service GetServiceOptions and GetServiceRules, will determine the available type of transport automatically for Dangerous Goods rather than having the client select it manually
Dangerous Goods	Service selected on shipment level and not piece level
Development Key	By default, all Development and Production keys are restricted to use the Ship From address you provided when the key was initially requested
Document Type	For Shipments outside of Canada (US or International), the Document Type must be 'InternationalBillOfLading'
Document Type	All Domestic Labels with the Exception of ChainOfSignature are considered 'DomesticBillof Lading or DomesticBillOfLading Thermal'.
Document Type	The Document Type for COS is 'COSBillofLading'
Envelope Products	Envelope products are 'docs-only' by default. UI should update automatically or prompt user to make 'docs-only' selection
Express Envelope	Max weight for Express Envelope is 1LB
ExpressCheque	Only for domestic shipments with a valid Canadian address
ExpressCheque	3 labels needed: outbound shipment label, returning ExpressCheque label and Receiver receipt label
ExpressCheque	Payment is mandatory upon delivery
ExpressCheque	ExpressCheque recipient must have a valid Canadian address
ExpressCheque	ExpressCheque Payment envelope is returned via the fastest mode to the shipper or alternate address
ExpressCheque	ExpressCheque Payment envelope to a residential address, with RSR free of charge
ExpressCheque	Outbound shipment with this option: 'ship from' phone number mandatory

Business Rule Topic	Business Rule Description
ExpressCheque	Returning ExpressCheque shipment: 'ship from' phone number and 'ship from' phone number from original outbound shipper mandatory but 'ship to' phone number is optional
ExpressCheque	Only ONE Returning ExpressCheque Label and ONE Receipt label per shipment (note: outbound shipment label on each package still needed with multi-piece shipment)
ExpressCheque	When selecting the 'Express Cheque' box, the amount, or any other information, should be completed - if not, an error should be returned to the customer informing them that they need to include the amount (and the other additional details, province, postal code, etc.)
ExpressCheque	Shipments with Express Cheque include the Lead outbound Pin (Shipment Pin) , the Express Cheque Receipt and the ExpressChequePin
ExpressCheque	The Express Cheque Recipient Address must be one of the following: Sent back to Sender or alternate recipient
Future Shipment	A future ship date should be limited to 10 days
GetLocationbyPostalCode	Business rules: US Zip codes are not accepted. Postal Code must follow the standard format: A#A#A#, or A#A #A# Only a single space will be allowed between the first and last three characters
Getting Started	Need a Canadian Address to set up E-SHIP Commercial Web Services - even PCL US Account number needs to be linked with Canadian address in order to enable set up of Production Key
Heavy Weight Service	> 70 lbs. subject to special handling charge
Heavy Weight Service	Saturday delivery not available
Heavy Weight Service	Transit time not guaranteed
Hold for Pickup	Drop OSNR if HFPU
Hold for Pickup	Receiver's name and telephone number are mandatory
Hold for Pickup	HFPU & OSNR MUTUALLY EXCLUSIVE
Hold for Pickup	If a destination is Residential and Hold For Pickup is selected, then do not apply the Residential Delivery charge to the shipment
Labelling	Post office box addresses are not permitted
Manifest	Final manifest at the end of the shipping day - manifest must be closed and incl all shipments of the day > billing purposes
Manifest	Void shipments must be fully declared in the e-manifest file
Manifest	Courier's Final Pickup Sheets are required to only show the number of shipment pieces that are expected to be picked up by a Courier. Items such as returns that are created do not need to be displayed. In the case where there is more than one pickup during the day, only a Final Pickup Sheet is required for the final pickup of the day.
Manifest	Manifests can be reprinted up to 24 months after consolidated date
Manifest	Manifest Report is run automatically at 1AM every day for Web Services
Manifest	Run Consolidation report 'manually' at different times of the day in Web Services will result in different manifests (e.g. reporting purposes by division or department)

Business Rule Topic	Business Rule Description
<u>Multipiece</u>	Multipiece surcharge kicks in at the fifth piece
<u>Notifications</u>	Advanced Shipment Notification (ASN) can be at shipment or piece level limited to 5 emails (1 shipper email and 4 recipient emails)
<u>Notifications</u>	Proactive Notification (PN) Subscription is at shipment level only no limitation on number of recipient emails per shipment
<u>Order Supplies</u>	Our 'peel and stick' Online Shipping Labels can be used in inkjet and laser printers and are required for shipments created in Online Shipping
<u>OSNR Default Values</u>	<p>Business rules for residential addresses - Residential/OSNR Shipments:</p> <ul style="list-style-type: none"> - If Business point, default is Signature Required. - If Residential point, default is OSNR* when there is no preference from the customer (shouldn't be made mandatory) <p>Note: No error message is required in the Web Service response. However, the warning message details should still be documented in technical design and customer documentation</p>
<u>OSNR</u>	Applications with a UI, OSNR specific message displayed
<u>OSNR</u>	OSNR cannot be combined with Evening Delivery as this service needs a signature
<u>OSNR</u>	OSNR cannot be combined with Hold for Pickup as this service needs a signature
<u>OSNR</u>	Cannot be combined with Chain of Signature
<u>OSNR</u>	Cannot be combined with ExpressCheque
<u>OSNR</u>	Cannot be combined with Dangerous Goods
<u>Outbound Return Service</u>	Each return package in the shipment is considered a single piece – there is no consolidation
<u>Outbound Return Service</u>	You are automatically billed for all return packages in a particular shipment when a possession scan occurs
<u>Outbound Return Service</u>	It is available within Canada only
<u>Outbound Return Service</u>	It is available in Purolator E-Ship™ Server, Purolator E-Ship™ Online and Purolator E-Ship™ EDI
<u>Pickup</u>	Only one pickup can be scheduled a day, per login location
<u>Purolator Systems, Downtime and Service Suspensions</u>	Purolator will endeavor to provide You email notice of any Service Suspension in accordance with the notice provisions set forth in Section 15 of the Purolator Resource Center Agreement and to post updates at www.purolator.com regarding resumption of access to the Resource Centre and the Materials following any such suspension, but shall have no liability for the manner in which Purolator may do so or if Purolator fail to do so
<u>Returns Management</u>	Originating outbound shipment of the return may have ExpressCheque or DG option selected
<u>Returns Management</u>	Weight is mandatory on the return shipment label
<u>Returns Management</u>	Return shipments are allowed from non-serviced areas or non-pickup points > custom label required
<u>Returns Management</u>	Return labels are declared as a single piece shipment
<u>Returns Management</u>	Originating return address and return destination address must be Canadian

Business Rule Topic	Business Rule Description
Returns Management	Return shipments cannot be combined with other specialized services and collect shipments
Returns Management	3rd party accounts can be used for return billing
Returns Management	Returns to residential points, RSR provided without surcharge
Returns Management	You will be billed for all return shipments upon the first scan of any return label in a shipment Billing consolidation occurs for shipments up to five pieces (RMS has a five piece per shipment maximum)
Returns Management	All Returns Management shipments must have a domestic originating address
Returns Management	A Return shipment cannot be combined with a 'Collect' payment type.
Returns Management	A Return shipment cannot be combined with the Dangerous Goods option.
Returns Management	Pricing the Return is optional. The Return shipment becomes valid only upon induction into Purolator's network and prices can change after the label is generated
Returns Management	A weight must be printed on the return shipment label. This weight can either be system generated or customer specified. * For system generated weight, i.e. where user interaction is not required or where a return shipment weight is not specified by the user then: * The weight on each return label is the total shipment weight divided by the total number of outbound labels. * If the divided weight is less than 1 (LB or KG) then print "1" plus the unit of measure (LB or KG) as the shipment weight on the return label * For Customer specified weight, print the weight as entered by the user on the return label(s).
Returns Management	Return Destination address must serviceable
Returns Management	A Return shipment cannot be combined with Saturday pickup
Returns Management	For the Return Shipment: - Outbound shipment can be combined with Saturday Delivery - Return shipment can have a different premium service except Saturday Delivery
Returns Management	A Return shipment cannot be combined with Chain of Signature
Returns Management	A Return shipment cannot be combined with ExpressCheque
Returns Management	The Returnee has up to 24 months to use the return label(s)
Returns Management	A Return shipment cannot be combined with a 'Collect' payment type
Returns Management	Payment with Credit Card is not an option; all other payment types are: Sender, Receiver or 3rd Party
RSR Default Values	Business rules for residential addresses - Residential/OSNR Shipments: - If Business point, default is Signature Required. - If Residential point, default is OSNR* when there is no preference from the customer (shouldn't be made mandatory) Note: No error message is required in the Web Service response. However, the warning message details should still be documented in technical design and customer documentation
RSR	Delivery signature is not obtained for residential delivery unless RSR is selected in application

Business Rule Topic	Business Rule Description
RSR	'OSNR' defaulted for all Canadian residential delivery points
RSR	'OSNR' and 'RSR' are mutually exclusive and 'RSR' has priority
RSR	'RSR' may be selected by shipper for US and International deliveries to residences
RSR	Residential ship-to versus business ship-to - If ship in evening then signature required no matter what type of ship-to
RSR	Domestic: If the Residential Signature Required option is selected by the user, the Residential Delivery surcharge does not apply and must be excluded
RSR	<p>Domestic Delivery Options</p> <p>For applications with a User Interface, Purolator suggests that one of the following messages be displayed if a user action results in the application not selecting the Residential Signature Required option for Canadian residential delivery points:</p> <p>English:</p> <p><i>Please note that by not selecting Residential Signature Required, this shipment will be delivered without a signature in accordance with our OSNR policy and new delivery release procedures. See our Terms and Conditions of Service at (www.purolator.com) for additional details, including your release and indemnification of Purolator from and against any claim resulting from the delivery of this shipment without a signature (i.e. unattended in accordance with our new delivery release procedures).</i></p> <p>French:</p> <p><i>Veuillez noter que si vous ne sélectionnez pas l'option Signature requise liv. résidentielle, cet envoi sera livré sans signature conformément à notre politique OSNR et à nos nouvelles procédures « Autorisation de livraison ». Veuillez consulter nos Modalités et conditions de service à (www.purolator.com) pour obtenir de plus amples détails, y compris la libération et l'exonération de Purolator pour et contre toute plainte résultant de la livraison de cet envoi sans obtenir de signature (soit sans surveillance conformément à nos nouvelles procédures « Autorisation de livraison »).</i></p>
Saturday Delivery	Saturday Delivery Characteristics not in Express INTL product class
Saturday Delivery	Saturday service is not available in combination with the Heavy Weight service
Schedule Pickup	Business Day: Monday to Friday inclusive, except for statutory holidays observed by Purolator.
Shipment consolidation	Web Services consolidates automatically
Shipping (sur)charges	'Beyond point' surcharge can be applied either at origin or destination
Shipping (sur)charges	'Multipiece' surcharge can be applied for shipments over 'x' number of pieces
Shipping (sur)charges	<p>Beyond Point: The charge can potentially be applied to both the pickup and delivery points. Please refer to the Service Directory chapter for details on how to identify Beyond points.</p> <ul style="list-style-type: none"> - An additional charge applied to points where the origin is deemed by Purolator to be remote or is not serviced directly by Purolator
Shipping charges	Default 'declared value surcharge' is 100\$ for customers without contract (subject to change)
Shipping charges	Residential charges nil in case residential destination + hold for pickup

Business Rule Topic	Business Rule Description
<u>Shipping charges</u>	Residential' surcharge can be applied to both pickup and delivery options Additional charge for shipments originating from a point identified as residential or of low business density
<u>Shipping labels</u>	The Application Message takes precedence over the Customer Note. If an Application Message is required, then it will overwrite any Customer Notes
<u>Shipping labels</u>	Weight declared on label is the physical weight and not the cubed (billing) weight
<u>Shipping labels</u>	Heavy Weight takes precedence over Special Handling as a label indicator. If a shipment is both Special Handling and Heavy Weight, then display the Heavy Weight Indicator
<u>Shipping labels</u>	Once a label is printed and a PIN has been assigned, no aspect of the shipment can be modified using the same PIN. If any modifications are required, such as changes to address, pieces, weight, service, etc., a new PIN must be issued and a new label must be printed
<u>Shipping labels</u>	US/International label: On the label, the Country must be represented by the Country Name and not as a Country Code. Please ensure that Country Name aligns to the Country Code as provided in the [country] (SDF01) file
<u>Size limitations</u>	The limitations will be provided in imperial (inches). Customers are permitted to declare size in metric; therefore, for validation, a conversion must be done.
<u>Special Configuration</u>	The shipping address completed in the request for production key form will function as the main point of origin for all shipments. In case multiple points of origin for the same business account number are needed, then this needs to be discussed and configured with the support team
<u>Special Handling</u>	Special Handling is applied to all pieces when applied at the shipment level
<u>Special Handling</u>	Special Handling Charge is applied only to the specific pieces within a shipment
<u>Special Handling</u>	Special Handling Charge is applied to all shipments: Domestic, US and International Destinations
<u>Special Handling</u>	Type of special handling must be selected in the application and displayed in manifests and labels - if not, application will select 'default'
<u>Special Handling</u>	The shipping application must collect and provide this information on any manifest submissions.
<u>Special Handling</u>	Applicable to either shipment level or piece level
<u>Tracking</u>	Up to 75 pins can be tracked at the summary level, and 1 pin allowed at the details level
<u>User Support</u>	1. Purolator E-Ship™ Help Desk (1-800-459-5599) available from 9:00 am to 5:00 pm Eastern Standard Time on Mondays through to and including Fridays, except on federal or provincial statutory holidays 2. Web input form accessible from the Resource Centre which, when completed, will notify the Purolator technical support team to respond.
<u>Void Shipment</u>	When cancelling an outbound shipment which has a return shipment associated to it the return shipment must also be cancelled.
<u>Web Service Authentication</u>	Multiple service requests submitted with the wrong password (currently over 4 times), flags the key as locked and updates the key last locked date

Business Rule Topic	Business Rule Description
Web Service Authorization	<ul style="list-style-type: none"> • Keys for a corporate system integration will use one level of authorization – a corporate key. • Keys for a commercial system integration will use two levels of authorization - a commercial key and a user token. The user token must not be locked and must be associated to the key in the database key claim set
Weights & Dimensions	Weight restrictions validation based on the declared weight of the package
Weights & Dimensions	Weight per piece supersedes the total weight in a shipment
Weights & Dimensions	Conversion to Imperial is required to validate weight restrictions

3.2 List of Acronyms

Acronym	Description
3PV	Stands for 3rd Party Vendor. A number of commercial software companies have successfully integrated the ability to ship with Purolator, providing a wider range of options in accessing our products and services
API	Application Programming Interface
ASN	Advanced Shipment Notification <ul style="list-style-type: none"> • Shipment confirmation to shipper/requestor: shipment electronically received by Purolator • Advanced Shipment Notification to recipient(s): shipment has been sent to them via Purolator
B2B	Business-to-Business: the exchange of products, services or information between businesses
B2C	Business-to-Customer: the exchange of products, services or information between a business and a customer
BOL	Bill of Lading
Code 128 Barcode	The second of the two barcode symbols on the Purolator Domestic Shipping Label. It provides excellent density for all-numeric data
Code 39 Barcode	The required symbology for Parcel Identification Number bar codes and consists of the PIN number only. It is used on the U.S. and International Shipping Labels
COS	Chain of Signature: a specialized service that conforms to government regulations for the security, control and safe transportation of controlled drugs and firearms in Canada. Need thermal printer to print those labels. A security procedure used in shipping controlled substances and firearms that requires a special bill of lading for multiple signatures. Each employee involved in the pickup, processing and delivery of COS shipments is required to sign the bill of lading.
CWS	E-Ship Commercial Web Services E-Commerce solution or shipping software or any other application that will integrate with E-Ship Commercial Web Services (EWS) that is offered for shipping with a user token or Activation Key.
ERC	Enterprise Resource Center
ESO	E-Ship Online: Purolator E-Ship Online is a one-stop shop for all of your shipping solutions. It automates many of the steps required to ship a package and helps to improve the accuracy and visibility of your shipments as they travel through our network. It allows you to be more productive by saving you time and effort

Acronym	Description
ESS	E-Ship Server Purolator E-Ship Server is designed for businesses that, in rapid succession, ship high volumes of packages per day. It is a powerful hardware/software system that puts complete shipping control at your fingertips, and is designed to increase the efficiency of your daily shipping operations. The Purolator E-Ship Server allows you to estimate, weigh and manifest your shipments electronically, ensuring accuracy. These manifests can then be forwarded to your head office. You will also have direct and instant access to Purolator's tracking network, allowing you to confirm the progress of your shipment. As well, the application prints your Bills of Lading, and prepares your Shipping Manifests*. Purolator's E-Ship Server does all of this and more, in an effort to minimize the amount of time you spend shipping domestically or internationally, while optimizing your shipping accuracy.
ESS API	API stands for Application Programming Interface. Purolator E-Ship Server API gives you access to all E-Ship Server shipping functionality noted above, but via the Application Program Interface without the need to use the interface. E-Ship Server APIs are an enhanced service offering that seamlessly integrates shipping functionality into core business systems, including customer developed shipping solutions and websites. This eliminates the need to design, build and support custom applications to enable shipping on your current platform
EWS	Enterprise or Corporate Web Services: Purolator Customer using their own shipping application integrated with e-Ship Web (EWS) Services
HGPU	Hold for Pick Up: A service available upon customer request where a shipment is held at the destination terminal until the customer picks it up rather than being delivered directly to the receiver - held at the authorized Purolator location up to five business days.
LOB	Line Of Business Purolator: Line of Business Indicator <lob_ind> = "PR0190" Purolator International: Line of Business Indicator <lob_ind> = "PR0299"
OSNR	Origin Signature Not Required: When the shipper gives authorization for the delivery of a shipment without obtaining a delivery signature.
PDF417 Barcode	The first of the two barcode symbols on the Purolator Domestic Shipping Label. It is a high-density two dimensional barcode that allows for the capture of label attributes directly onto a barcode
PI	Purolator International
PIN	Package Identification Number (a total of 12 characters) A unique number applied to each piece of a shipment which has a bar code and allows easy tracking and tracing of a shipment as it moves through the transportation system.
PN	Proactive Notification <ul style="list-style-type: none">· Delivery Notification to email recipient on delivery status· Tracking Notification Exception to email recipient on any changes in the service level· Tracking Notification Hold for Pickup to email recipient that shipment is ready for pickup from Purolator location
QA	Quality Assurance
RMA	Return Merchandise or Material Authorization
RR#s	Rural route numbers
RSR	Residential Signature Required

Acronym	Description
SCFS	Shipping Channel and Field Support Services
SCSD	Shipping Channel Service Desk
SNR	Signature Not Required: a service that may be elected by a Receiver where signed proof of delivery is not required
SOAP	Simple Object Access Protocol
UAT	User Acceptance Testing
UI	User Interface
WSDL	Web Services Definition Language
XML	Extensible Markup Language

3.3 Terminology

Terminology	Description
Access Token	Activation Key in E-Ship Commercial Web Services for account on 'resale' platform used by Merchant
Account Customer	A person, entity, partnership or organization that is party to a Services Pricing Agreement or has otherwise set up an account with Purolator for billing purposes, including an account set up using an Automated Shipping System
Additional Charges	those specialized service charges, administrative charges and shipping charges that may be applied to a Shipment, in addition to a Service Rate, as more fully described in "Purolator Specialized Services", "Administrative Charges" and "Shipping Charges", respectively (see also Purolator Terms and Conditions of Service)
Application	a software application developed by You or on Your behalf, and approved by Purolator pursuant to the Purolator E-Ship Resource Center Agreement that will enable you to interface with Purolator's systems and use the Web Services
Automated Shipping System	Any automated shipping system used by Purolator or its Customers to access and use Purolator's services, including Purolator E-Ship® Online, Purolator E-Ship® Server, Purolator E-Ship® Web Services, and any Customer's own or third party provider's automated shipping system approved by Purolator pursuant to the applicable Purolator certification program
Beyond Point	The origin or destination point is deemed by Purolator to be remote or is not serviced directly by Purolator
Bill of Lading	Any shipping document, label, waybill, manifest or similar instrument used by Purolator to accept Shipments for carriage, and includes a Purolator Bill of Lading
Business Day	Monday to Friday inclusive, except for statutory holidays observed by Purolator
Certification Program	Purolator's E-Ship Certification Program, which supports the development of all Applications and ensures that all Applications have met Purolator's standards for product selection, rating, labelling, manifesting and reporting
Collect Billing	The Shipping charges are invoiced to the Receiver
Consignee	The party to whom a Shipment is destined for delivery, also called the Receiver
Consignor	The party tendering a Shipment to Purolator for carriage, also called the Shipper
Courier Shipment	A Shipment that consists of one or more Pieces that travel through Purolator's courier distribution network

Terminology	Description
Create a shipment	The electronic submission of shipment information to Purolator prior to Purolator's physical handling of a shipment
Customer	A person, entity, partnership or organization using Purolator's services, whether as Shipper or Receiver, and includes any Account Customer
Customer Master	Customer-specific information such as customer number, address and access to specific products and service options
Customs Clearance Charges	Any and all brokerage fees, surcharges, customs and duties related to a Shipment tendered by a Customer to Purolator
Cut off time	Latest time when you can schedule a pickup
E-Commerce Partner	Purolator engages this partner to build an e-commerce platform solution against renumeration and sets up an agreement with this partner (e.g. Tangentia, Demac Media)
E-Commerce Vendor	Provides shipping solutions for Purolator to service the end-customer. There is no agreement between both parties (e.g. Ship2, ProcessWeaver)
End of Day	In respect of an Urban Area, 6:00 p.m. (Receiver's local time) and, in respect of a Residential Area or non-Urban Area, 8:00 p.m. (Receiver's local time)
E-Ship EDI	<p>Stands for Electronic Data Interchange, which Purolator offers to our customers via E-Ship EDI. For companies moving towards more cost efficient paperless systems, Purolator offers a variety of options with which to exchange electronic data. From invoices and manifests to electronic shipment status, Purolator can send and receive data in a wide variety of formats, which enables even non EDI-capable companies to exchange electronic data with Purolator. Purolator also offers a wide variety of communication options, which can make the exchange of electronic data a viable option for all customers.</p> <p>The end result is optimal cost efficiency, more accurate data, faster turnover times and improved customer service</p>
Evening Delivery	A premium product offered in select areas; shipments scheduled for delivery between the hours of 5:30 p.m. and 9 pm
Expected Delivery Dates	Represent the date on which a shipment will be delivered to the destination address. The Shipping Application will factor in holidays, weekends, service restrictions, options such as Saturday service and any other items in determining the Expected Delivery Date. Transit Time calculation is required if this option is selected
Express Cheque	A collect-on-delivery service whereby Purolator will collect payment from the Receiver, on behalf of the Shipper, at the time a Shipment is delivered
Freight Shipment	A Shipment that consists of one or more Pieces that travel through Purolator's freight distribution network
Heavy Weight Pieces	Weigh more than 70 lbs (approx. 32 kg), including Purolator Express Envelopes, Purolator Express Packs or Purolator Express Boxes weighing more than 70 lbs (approx. 32 kg)
ICAO Technical Instructions	The Technical Instructions for the Safe Transport of Dangerous Goods by Air published by the International Civil Aviation Organization
Induction point in Canada	A major Purolator sorting facility in Canada, used in the context of U.S. Northbound Shipments

Terminology	Description
Multi-Carrier System	Any shipping application, system or software program providing functionalities for, without limitation, rating, labeling, routing manifesting, processing or the logistical movement of shipments via one or more carriers, in addition to Purolator
On Delivery	Tracking information of a shipment informing the shipper/receiver that the shipment was scanned leaving the depot and on route for delivery
Outbound Return Service	Customers have the ability to create return shipping labels for inclusion with an outbound Shipment
Oversized Pieces	Are equal to or exceed 5 ft (approx. 152 cm) in length; or Are equal to or exceed a total overall Piece size* of 165" (approx. 419 cm)
Piece	A single envelope, parcel, container, pallet or unpackaged article accepted by Purolator for delivery
Prepaid Billing	The Shipping charges are invoiced to the Shipper
Product Master	A repository of Purolator's offering and their characteristics
Profile	The profile form completed by the developer during the registration to the Resource Centre regarding their application
Purolator Account Holder	A Person with a valid Purolator account who wishes to gain access to the Resource Centre (including the Materials) in order to develop an Application that will enable the usage of Purolator's Services
Purolator Bill of Lading	A Bill of Lading generated by an Automated Shipping System, Purolator-branded manual Bill of Lading or a Purolator-branded manifest Bill of Lading
Purolator Business Account	Account registered to a Customer
Rating Engine	Engine to calculate the costs of shipments that includes list prices and customer-specific pricing
Receiver	The party to whom a Shipment is destined for delivery, also called the consignee
Residence	A traditional residence or commercial business operating out of a residence
Residential Area	An area that is primarily residential, or is of a low business (commercial) density as determined by Purolator from time to time
Residential Heavyweight Service	Shipments weighing over 70 lbs delivered to or picked up from a Residence
Resource Centre	Purolator's E-SHIP Resource Centre website, located at www.purolator.com/eship
Returns Management Service	The ability for the customer to create return shipping labels without an associated Shipment
Service Directory	A repository of location-based data that is used in validating the accuracy of origin and destination province and postal codes, state and zip codes, and international country and city codes. Service Directory will determine whether a selected service is available for a destination and rate zones/codes for pricing calculations. Similarly, it is used to calculate transit times between two service points
Service Rate	In respect of a Shipment, the rate charged by Purolator to a Customer based on the service selected, but excludes any Additional Charges, Taxes and Customs Clearance Charges in respect of such Shipment

Terminology	Description
Services	Purolator products and services, including, but not limited to, shipping, tracking, estimates and return services, which can be accessed and used through an Application
Services Pricing Agreement	A services pricing agreement or other agreement between Purolator and a Customer governing the services provided or arranged by Purolator for such Customer, including courier, TL and LTL services
Shipment	One or more Pieces sent on the same date and at the same time, with the same Purolator service and other identical shipment characteristics, from one Shipper to one Receiver at one address under a Bill of Lading, and the charges for which will be billed to one Customer
Shipment aggregation	Equal to shipment consolidation
Shipper	The party tendering a Shipment to Purolator for carriage, also called the consignor
Specifications	All applicable specifications for the particular Web Services selected by the developer as such are set forth in the Web Services area of the Resource Center at www.purolator.com/eship/documentation
Stop Service	If a customer is on Stop Service, then the application must not allow the shipment to proceed; determined by the “stop service indicator” field in the customer master data: value = null or blank > service is allowed value = populated Value (i.e. 01, 02, 99, etc.) > customer is on stop service
Taxes	Any and all taxes ordinarily payable by Customers in respect of services provided by Purolator, including those characterized as goods and services tax, sales tax, value-added tax or business transfer tax
Third Party Billing	Third Party billing is available to customers who are responsible for the payment of the shipping charges but are neither the Shipper (consignor) nor the Receiver (consignee)
Transit Time	The exact number of transit days between a Canadian origin and any destination point. Transit days represent operational days in which the Purolator network is capable of processing shipments
Unicode	A Purolator Routing Code that provides the destination terminal for the shipment
Urban Area	An area that is primarily urban, as determined by Purolator from time to time
Web Services	Purolator's E-Ship Commercial Web Services, which are web-based services designed to support and facilitate use of Purolator products and services including shipping, tracking, estimates and return services, access to which is integrated directly into a website, platform, or on-line store through an Application

3.4 List of Purolator Shipping Products: detailed description

3.4.1 Purolator Express Domestic Delivery Options

Purolator Express®

Delivery guaranteed** from and to select points in Canada by end of day on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® 9AM

Delivery guaranteed** from and to select points in Canada by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the day specified by Purolator.

Purolator Express® 10:30AM

Delivery guaranteed** from and to select points in Canada by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator.

Purolator Express® Evening

Delivery guaranteed** from and to select points in Canada between 5:30 p.m. and 9:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be between 5:30 p.m. and 9:00 p.m. on the day specified by Purolator.

Purolator Express® Envelope

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery before end of day the next business day. Where delivery by Purolator's fastest mode does not provide for delivery the next business day, delivery will be on the day specified in Purolator's service directory. Shipment destination must be an eligible delivery point from point of origin.

Purolator Express® Envelope 9AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from and to select points in Canada by 9:00 a.m. on the next business day after tender.** However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the day specified by Purolator.

Purolator Express® Envelope 10:30AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from and to select points in Canada by 10:30 a.m. on the next business day after tender.** However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator.

Purolator Express® Envelope Evening

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from and to select points in Canada between 5:30 p.m. and 9:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be between 5:30 p.m. and 9:00 p.m. on the day specified by Purolator.

Purolator Express® Pack

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from and to select points in Canada by end of day on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Pack 9AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from and to select points in Canada by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the day specified by Purolator.

Purolator Express® Pack 10:30AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from and to select points in Canada by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator.

Purolator Express® Pack Evening

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from and to select points in Canada between 5:30 p.m. and 9:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be between 5:30 p.m. and 9:00 p.m. on the day specified by Purolator.

Purolator Express® Box

An easy to assemble, self-sealing corrugated box (ideal for binders and other large documents) used for shipments with guaranteed** delivery from and to select points in Canada by end of day on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Box 9AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from and to select points in Canada by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the day specified by Purolator.

Purolator Express® Box 10:30AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from and to select points in Canada by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator.

Purolator Express® Box Evening

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from and to select points in Canada between 5:30 p.m. and 9:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be between 5:30 p.m. and 9:00 p.m. on the day specified by Purolator.

** For the delivery options, certain terms, conditions, and geographic restrictions apply. See the Purolator Terms and Conditions of Service for full details.

3.4.2 Purolator Express U.S. Delivery Options

Purolator Express® U.S.

Delivery guaranteed** from Canada to select points in the U.S. by end of day on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® U.S. 9AM

Delivery guaranteed** from Canada to select points in the U.S. by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® U.S. 10:30AM

Delivery guaranteed** from Canada to select points in the U.S. by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® U.S. 12PM

Delivery guaranteed** from Canada to select points in the U.S. by 12 p.m. (noon) on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the day specified by Purolator.

Purolator Express® Envelope U.S.

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select points in the U.S. before end of day the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Envelope U.S. 9AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select points in the U.S. by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Envelope U.S. 10:30AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select points in the U.S. by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the delivery day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Envelope U.S. 12PM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select points in the U.S. by 12:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

Purolator Express® Pack U.S.

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select points in the U.S. before end of day the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Pack U.S. 9AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Pack U.S. 10:30AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the delivery day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Pack U.S. 12PM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 12:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

Purolator Express® Box U.S.

An easy to assemble, self-sealing corrugated box (ideal for binders and other large documents) used for shipments with guaranteed** delivery from Canada to select points in the U.S. before end of day the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Box U.S. 9AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 9:00 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Box U.S. 10:30AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 10:30 a.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the delivery day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Box U.S. 12PM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select points in the U.S. by 12:00 p.m. on the next business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

** For the delivery options, certain terms, conditions, and geographic restrictions apply. See the Purolator Terms and Conditions of Service for full details

3.4.3 Purolator Express International Delivery Options

Purolator Express® International

Delivery guaranteed** from Canada to select international (non-U.S.) points by end of day on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® International 9AM

Delivery guaranteed** from Canada to select international (non-U.S.) points by 9:00 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® International 10:30AM

Delivery guaranteed** from Canada to select international (non-U.S.) points by 10:30 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® International 12PM

Delivery guaranteed** from Canada to select international (non-U.S.) points by 12 p.m. (noon) on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

Purolator Express® Envelope International

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select international (non-U.S.) points by end of day on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Envelope International 9AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select international (non-U.S.) points by 9:00 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Envelope International 10:30AM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select international (non-U.S.) points by 10:30 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Envelope International 12PM

A protective cardboard, legal sized envelope used for shipping documents with guaranteed** delivery from Canada to select international (non-U.S.) points by 12:00 p.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

Purolator Express® Pack International

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by end of day on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Pack International 9AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 9:00 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Pack International 10:30AM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 10:30 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Pack International 12PM

A convenient, easy to use, sealable bag that is tear-free and water-resistant used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 12 p.m. (noon) on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

Purolator Express® Box International

An easy to assemble, self-sealing corrugated box (ideal for binders and other large documents) used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by end of day on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by end of day on the delivery day specified by Purolator.

Purolator Express® Box International 9AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 9:00 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 9:00 a.m. on the delivery day specified by Purolator.

Purolator Express® Box International 10:30AM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 10:30 a.m. on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 10:30 a.m. on the day specified by Purolator. Note that for certain points, guaranteed** delivery will be by noon on the applicable delivery day.

Purolator Express® Box International 12PM

An easy to assemble, self-sealing corrugated box used for shipments with guaranteed** delivery from Canada to select international (non-U.S.) points by 12 p.m. (noon) on the second business day after tender. However, where geographic limitations apply, guaranteed** delivery will be by 12 p.m. (noon) on the delivery day specified by Purolator.

** For the delivery options, certain terms, conditions, and geographic restrictions apply. See the Purolator Terms and Conditions of Service for full details

3.4.4 Purolator Ground Domestic Delivery Options

Purolator Ground® 9AM

Travels via the most economical mode and takes 2 or more days to arrive, depending on the destination, with delivery guaranteed by 9 a.m.** Shipment destination must be a 9 a.m. point from point of origin.

Purolator Ground® 10:30AM

Travels via the most economical mode and takes 2 or more days to arrive, depending on the destination, with delivery guaranteed by 10:30 a.m.** Shipment destination must be a 10:30 a.m. point from point of origin.

Purolator Ground®

Travels via the most economical mode and takes 2 or more days to arrive, depending on the destination.

Purolator Ground® Evening

Travels via the most economical mode and takes 2 or more days to arrive, depending on the destination with delivery guaranteed between 5:30 p.m. and 9:00 p.m. Shipment destination must be an evening delivery point from point of origin; otherwise Purolator Ground will be used.

** For the delivery options, certain terms, conditions, and geographic restrictions apply. See the Purolator Terms and Conditions of Service for full details

3.4.5 Purolator Ground U.S. Delivery Options

Travels via the most economical mode and takes 2 or more days to arrive, depending on the destination.

3.5 Overview of Purolator Packaging Solutions

Purolator Packaging Solutions

Purolator Express® Box*

A durable corrugated cardboard box that is ideal for shipping binders, large documents and other items that may require handling protection.



Purolator Express® Pack

A convenient, easy-to-use, sealable bag that is tear free and water resistant. For shipments up to 3 lbs. (1.3 kg), use the Purolator Express Pack to get your package to its destination via the fastest mode.



Purolator Express® Envelope

A legal-sized cardboard envelope that is ideal for shipping all of your important documents.



The Purolator Express Envelope, Purolator Express Pack and Purolator Express Box are available at no charge. Alternatively, you can use your own packaging. Purolator's Shipping Centres have a full line of packaging products that are designed for the rigours of movement through a shipping system or for when you need sturdy cartons for other purposes. For more information on Purolator packaging solutions, visit purolator.com or come to a Purolator Retail Shipping Centre, where our Representatives can assist with all your packaging needs.

You can order shipping supplies online at purolator.com.
Purolator's supplies are available at no charge to Purolator Business Account customers.

*Purolator Express® Box is available only when shipment is prepared using an automated shipping system. See Purolator Terms and Conditions of Service for details.

3.6 Overview of the weight and dimension restrictions per product

Purolator Courier Products	Destination	Min Pieces per shipment	Max Pieces per shipment	Min Weight per shipment (lb/kg)	Max Weight per shipment (lb/kg)	Min Weight per piece (lb/kg)	Max Weight per piece (lb/kg)	Min Length per piece (in/cm)	Max Length per piece (in/cm)	Min Width per piece (in/cm)	Max Width per piece (in/cm)	Min Height per piece (in/cm)	Max Height per piece (in/cm)	Max Size (in/cm)
Purolator Ground Customer Packaging	Domestic	1	100	1 / 0.45	15,000/6,804	1 / 0.45	150*/68*	0	120 / 305	0	47 / 120	0	47 / 120	216 / 549
	US	1	100	1 / 0.45	15,000/6,804	1 / 0.45	150*	0	108	0	27.5	0	27.5	165
Purolator Express Customer Packaging	Domestic	1	100	1 / 0.45	15,000/6,804	1 / 0.45	150*/68*	0	96 / 244	0	23 / 58	0	23 / 58	144 / 366
	US	1	100	1 / 0.45	15,000/6,804	1 / 0.45	150*/68*	0	108	0	27.5	0	27.5	165
	International	1	100	1 / 0.45	15,000/6,804	1 / 0.45	150*/68*	0	108 / 274	0	27.5 / 70	0	27.5 / 70	165 / 419
Purolator Express Pack	Domestic	1	1	1 / 0.45	70 / 32	1 / 0.45	70 / 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	US	1	1	1 / 0.45	70 / 32	1 / 0.45	70 / 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	International	1	1	1 / 0.45	70 / 32	1 / 0.45	70 / 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Purolator Express Envelope	Domestic	1	1	1 / 0.45	1 / 0.45	1 / 0.45	1 / 0.45	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	US	1	1	1 / 0.45	1 / 0.45	1 / 0.45	1 / 0.45	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	International	1	1	1 / 0.45	1 / 0.45	1 / 0.45	1 / 0.45	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Purolator Express Box	Domestic	1	1	1 / 0.45	150*/68*	1 / 0.45	150*/68*	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	US	1	1	1 / 0.45	70 / 32	1 / 0.45	70 / 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	International	1	1	1 / 0.45	70 / 32	1 / 0.45	70 / 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Notes:

* Exception for 9am and 10:30am services where weight is limited to 70lbs (approx. 32kg) per piece

Each Piece in the Shipment must weigh no more than 70 lbs (approx. 32 kg) for the 'service guarantee' to apply

For Courier Shipments, where agents or subcontractors are used, more restrictive size and weight limitations than those set out above may apply

3.7 Shipping Labels – ExpressCheque

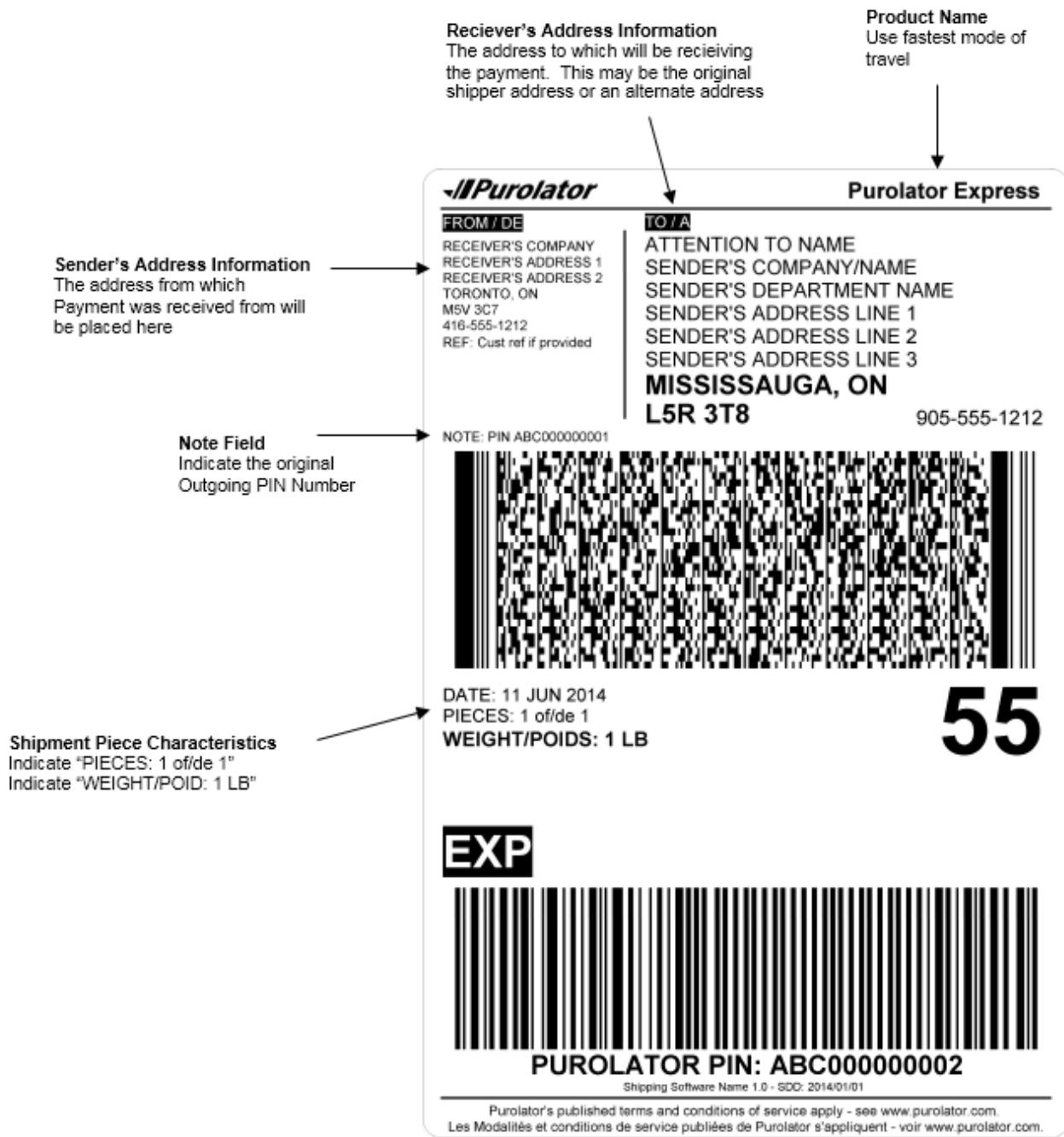
The following samples offer a graphical overview of the three labels specific to the ExpressCheque process.

3.7.1 Outgoing Shipment Label for ExpressCheque



3.7.2 Returning ExpressCheque Labels

The application will use the same Domestic Label for ExpressCheque, but will apply requirements discussed in above sections. The following sample provide a graphical overview of the Outgoing Label:



3.7.3 Receiver ExpressCheque Receipt

The Receiver ExpressCheque Receipt will appear as shown below. It will be printed on the same 4"x6" label stock as all other labels.

Purolator		ExpressCheque Receipt / Reçu ExpressCheque
FROM / DE	TO / A	
Shipper's Company/Name Shipper's Address Line 1 Shipper's Address Line 2 City, Province Postal Code 416-555-1212 REF: Cust ref if provided	Attention To Name Reciever's Company/Name Reciever's Department Name Reciever's Address Line 1 Reciever's Address Line 2 Reciever's Address Line 3 CITY, PROVINCE POSTAL CODE 905-555-1212	
NOTE: ExpressCheque PIN: ABC000000002		
DATE: 11 JUN 2014 TOTAL PIECES: 1 TOTAL WEIGHT/POIDS: 100 LB PUROLATOR PIN: ABC000000001		
Amount Requested / Montant demandé: \$100.00 Post Dated Cheque / Chèque Postdaté		
Amount Received / Mintant reçu \$ _____ <input type="checkbox"/> Cheque / Chèque <input type="checkbox"/> Post Dated Cheque / Chèque Postdaté <input type="checkbox"/> Certified / Certifié <small>One of: Certified Cheque / Chèque certifié Money Order / Mandat Bank Draft / Traite Banque</small>		
X Courier Signature / Signature du Courrier <small>Shipping Software Name 1.0 - SDO: 2014/01/01 Purolator's published terms and conditions of service apply - see www.purolator.com. Les Modalités et conditions de service publiées de Purolator s'appliquent - voir www.purolator.com.</small>		

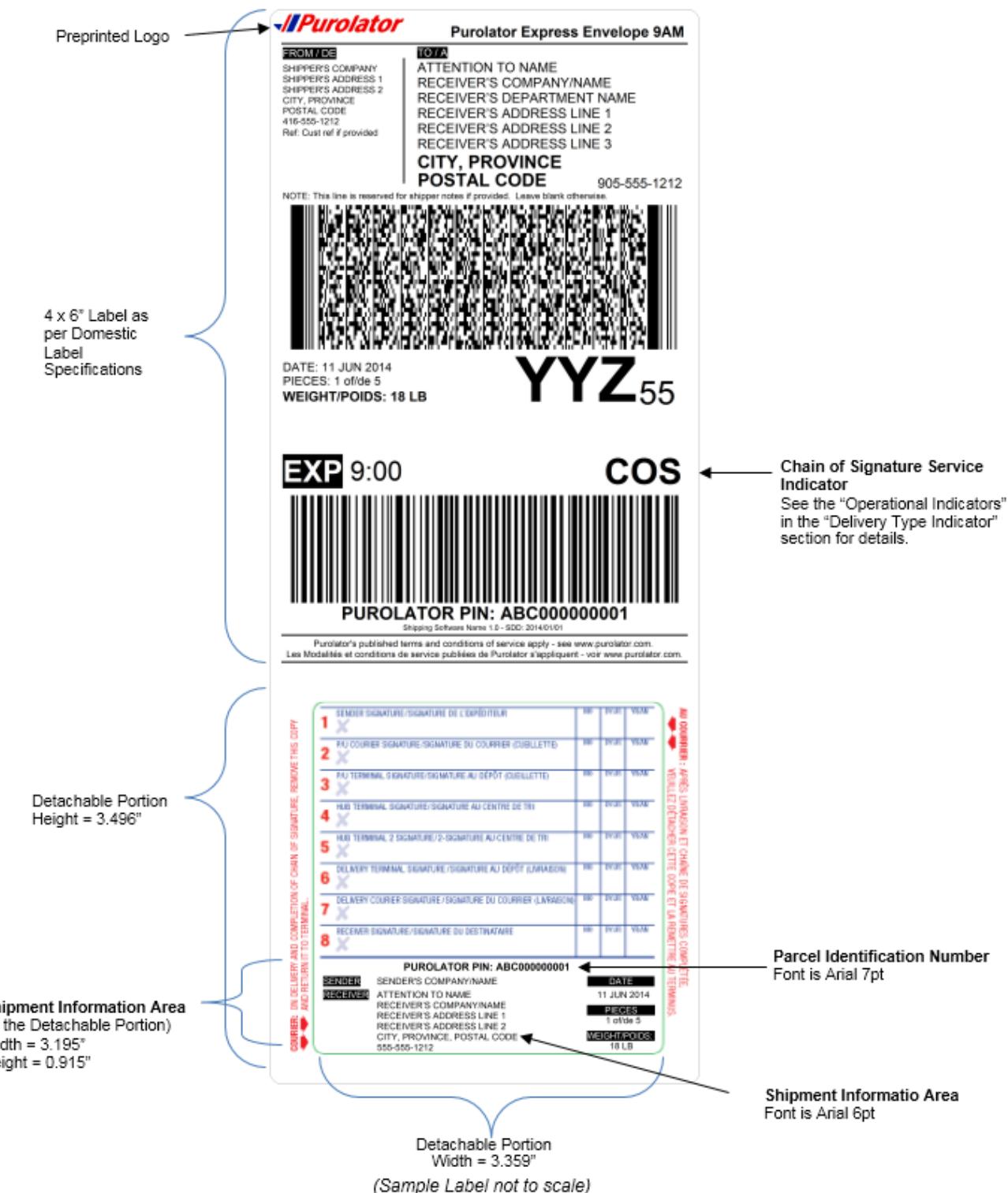
Top Section of Label
Same as domestic label

Note Field →
Indicate Returning
ExpressCheque PIN
Number

Botton Section of Label
Same as domestic label

3.8 Shipping Label – Chain Of Signature

The following sample offers a graphical overview of the COS label specific to the Chain of Signature process. Purolator provides these special 4"x10" labels via Purolator's Central Supplies. These labels are direct thermal only, they are not compatible with thermal transfer (ribbon based) printers.



3.9 Shipping Label – Return Service

The following samples offer a graphical overview of the Return Service labels specific to the Return Service process.

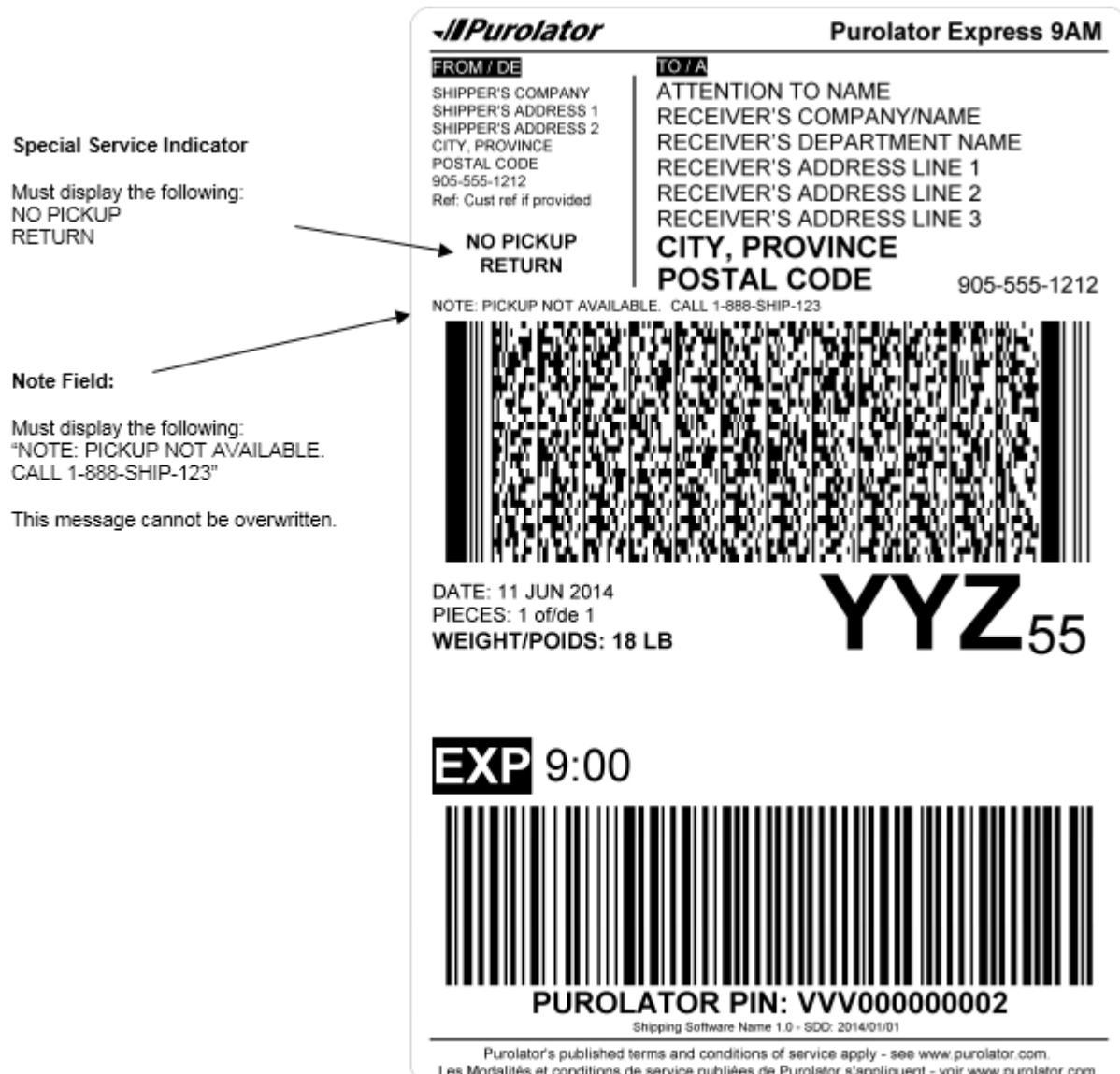
3.9.1 Return Service Label

A return label appears the same as a regular label except that the notation “RETURN” appears in the Special Service Indicator section.



3.9.2 Custom Non-Pickup Return Services label

The label will follow all specifications as presented in the sections above except for the two custom values to be displayed as shown below:

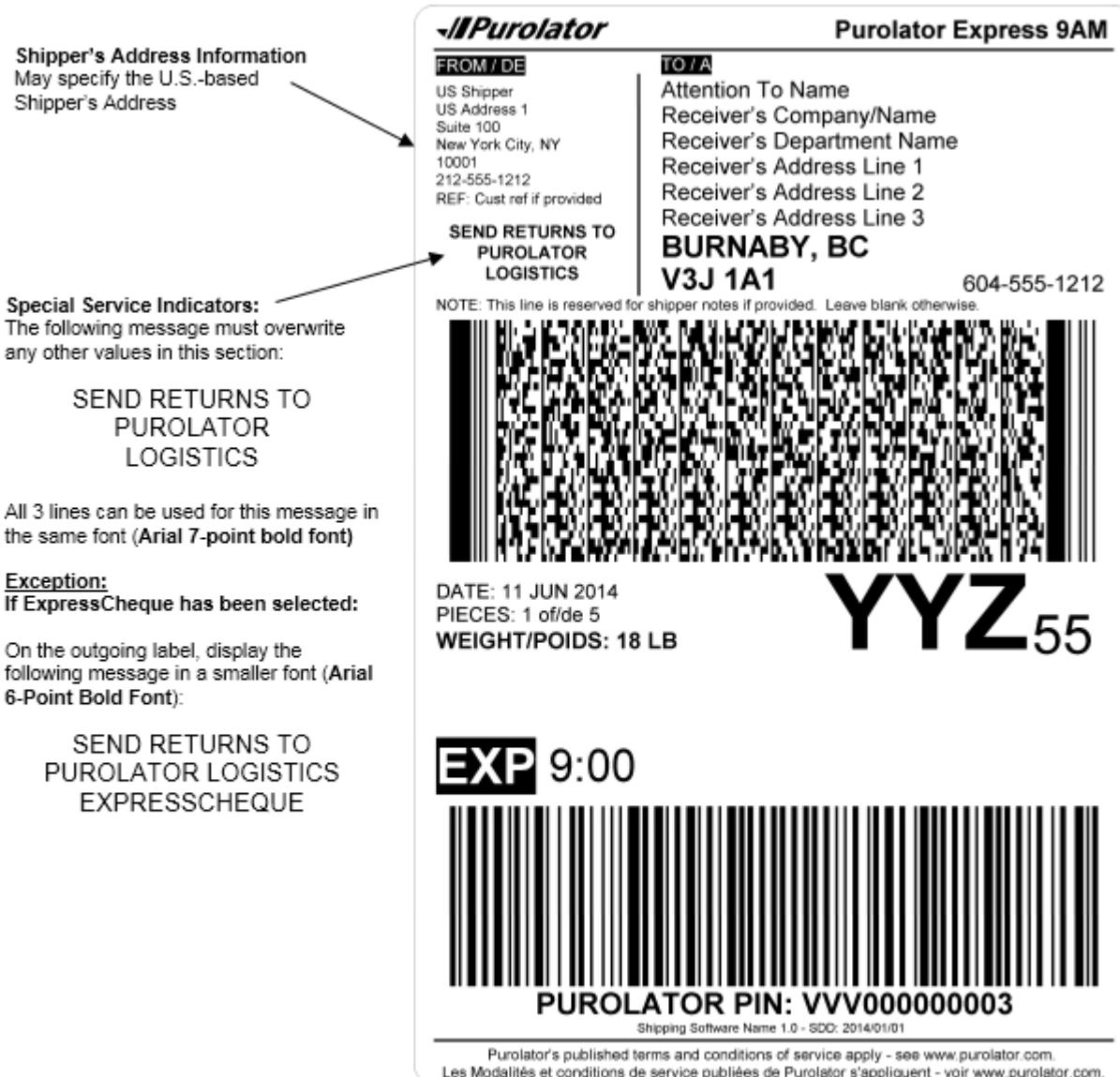


3.10 Shipping Label – Purolator International LOB (PR0299)

The following samples offer a graphical overview of the Purolator International LOB (PR0299) labels specific to the U.S. Northbound shipping process with Canadian induction point and two different Return Address methods.

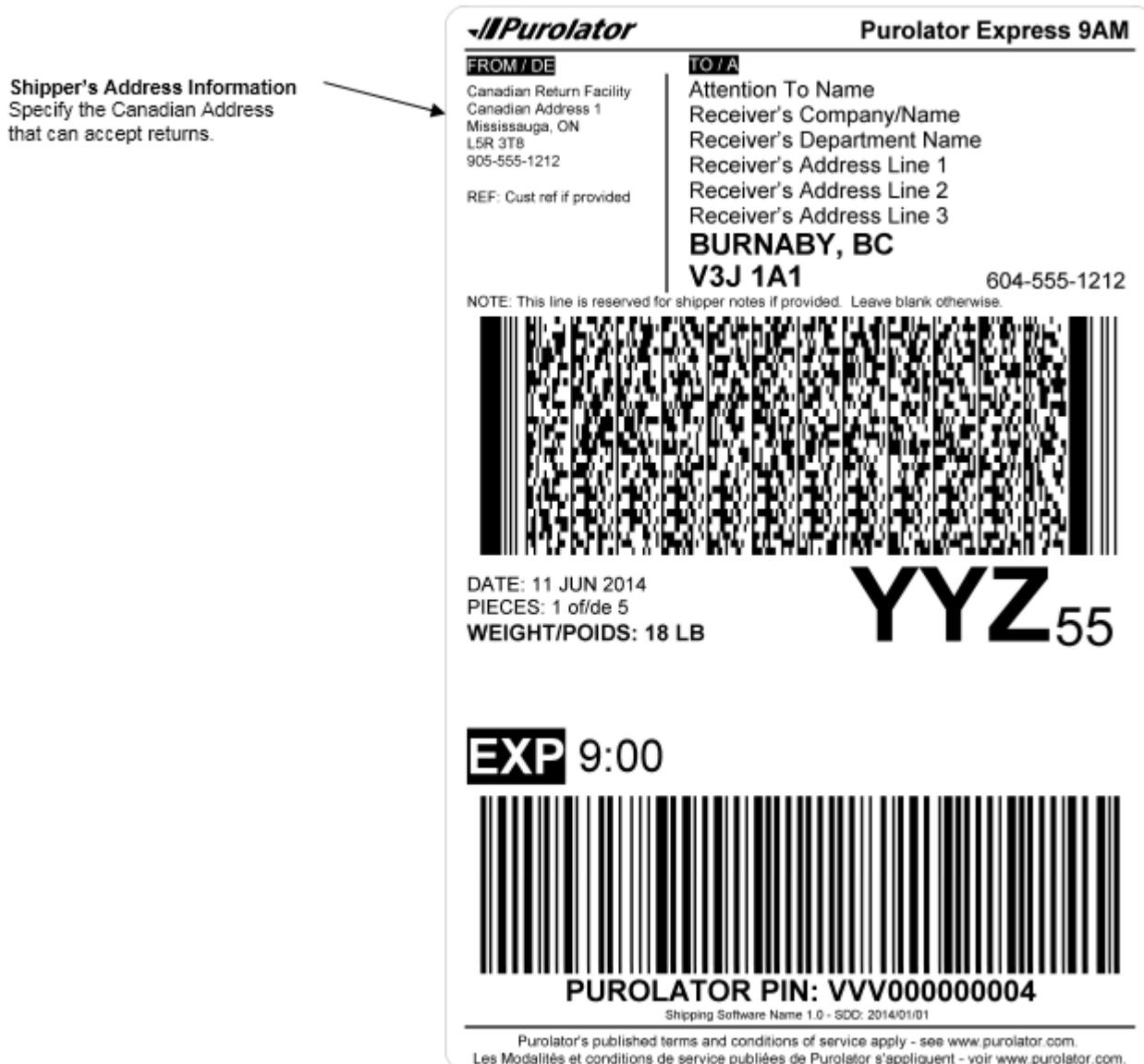
3.10.1 Purolator Managed Returns

Customers shipping from the U.S. into Canada whereby Purolator manages the returns process for undeliverable shipments.



3.10.2 Customer Managed Returns

For customers shipping from the U.S. into Canada who needs undeliverable shipments returned to a Canadian facility.



3.11 Shipping Documentation – Commercial Invoice

3.11.1 Commercial Invoice

Commercial Invoice										Page 1 of 1	
Shipping Date: 31 Mar 2016										PIN: 2495827319	
From Test Origin sX John Smith 99 COIN CRPS MAUCERVILLE, NE 83408 1 (308) 734-9256					Ship To ADDRESS FINDER PLACE MR PURULATOR 1 ADDRESS WAY IN # 423 SACRAMENTO, CA USA 94265 1 (833) 754-8256					Details from the Receiver Address Information. This data is included with all shipments. No additional details are required.	
TAX NUMBER:					TAX NUMBER:						
Shipment Details Shipment Date: 31 Mar 2016 Shipment PIN: 2495827319 No. of Packages: 1 Shipment Weight: 10 lb. Reference: UAT TC006					Sold To (if different from Ship to) BUYER ID MR.BUYER 4519 D NORTH EAST KENTUCKY STN # 111 ACCOUNTS PAYABLE ACCOUNTS PAYABLE NORTH MISSISSAUGA ON L8R 3T6 Canada (833) 734-9256					TAX NUMBER: 12345678	
QTY	U of M	Description	HS Code	NAFTA	FDA (Food)	Textile	Country of MFG	Unit Value	Total Value		
1		WIDGET		N	N	N	Canada	12.00	12.00		
Bill duties/brokerage to: Customs Broker (US Ground Shipments): Import/Export Type: Parties to this transaction are:					Receiver: US551-ACCENT Permanent Not Related					Total Invoice: \$12.00 Currency: CAD	
I hereby certify that the information given above and on the continuation sheet(s), if any, is true and complete in every respect and agree to the conditions on the Bill of Lading including all terms and conditions incorporated therein. Par les présentes, j'atteste que les renseignements fournis ci-dessus et sur les feuilles supplémentaires, le cas échéant, sont exacts et complets à tous égards et j'accepte les conditions figurant sur la comisation, y compris toutes les conditions qui y sont intégrées.											
Signature _____					Date _____						
Request Section - International Information Preferred Customs Broker This is mandatory for all Non-Document type shipments destined to the US (Ground Shipments Only)					Request Section - International Information Buyer Information This is the Buyer Address Details of the shipment request. This is a mandatory section for US / INTL destined shipments if the 'BOTH TO' is different than the 'SHIP TO' and the SOLD TO Party is paying for Duties and Taxes. Data from the Buyer Address Details is populated in this section when the flag for BillDutiesToParty = Buyer						
Request Section - International Information Content Details This is mandatory for all Non-Document shipments destined for US / INTL locations											
Request Section - International Information Duty Information Mandatory for all Non-Document Type shipments destined for US / INTL locations. BillDutiesToParty = Mandatory BusinessRelationship = Mandatory Currency = Mandatory											

3.11.2 US/International Request XML Schema

```
<v1>CreateShipmentRequest>
  <!--Optional:-->
  <v1:Shipment>
    <v1:SenderInformation>
      <v1:Address>
        <v1:Name>John Smith</v1:Name>
        <v1:Company>Test Origin slX</v1:Company>
        <v1:Department/>
        <v1:StreetNumber>99</v1:StreetNumber>
        <v1:StreetSuffix/>
        <v1:StreetName>COLIN</v1:StreetName>
        <v1:StreetType>CRESCENT</v1:StreetType>
        <v1:StreetDirection/>
        <v1:Suite/>
        <v1:Floor/>
        <v1:StreetAddress2/>
        <v1:StreetAddress3/>
        <v1:City>MAUGERVILLE</v1:City>
        <v1:Province>NB</v1:Province>
        <v1:Country>CA</v1:Country>
        <v1:PostalCode>E3A0A8</v1:PostalCode>
        <v1:PhoneNumber>
          <v1:CountryCode>1</v1:CountryCode>
          <v1:AreaCode>538</v1:AreaCode>
          <v1:Phone>7349256</v1:Phone>
          <v1:Extension/>
        </v1:PhoneNumber>
        <v1:FaxNumber>
          <v1:CountryCode>1</v1:CountryCode>
          <v1:AreaCode>538</v1:AreaCode>
          <v1:Phone>7349200</v1:Phone>
          <v1:Extension/>
        </v1:FaxNumber>
      </v1:Address>
      <v1:TaxNumber/>
    </v1:SenderInformation>
    <v1:ReceiverInformation>
      <v1:Address>
        <v1:Name>MR.PUROLATOR</v1:Name>
        <v1:Company>ADDRESS FINDER PLACE</v1:Company>
        <v1:Department/>
        <v1:StreetNumber>1</v1:StreetNumber>
        <v1:StreetSuffix/>
        <v1:StreetName>ADDRESS</v1:StreetName>
        <v1:StreetType>WAY</v1:StreetType>
        <v1:StreetDirection>n</v1:StreetDirection>
        <v1:Suite>423</v1:Suite>
        <v1:Floor>10</v1:Floor>
        <v1:StreetAddress2/>
        <v1:StreetAddress3/>
        <v1:City>SACREMENTO</v1:City>
        <v1:Province>CA</v1:Province>
        <v1:Country>US</v1:Country>
        <v1:PostalCode>94295</v1:PostalCode>
        <v1:PhoneNumber>
          <v1:CountryCode>1</v1:CountryCode>
          <v1:AreaCode>835</v1:AreaCode>
          <v1:Phone>7349256</v1:Phone>
          <v1:Extension/>
        </v1:PhoneNumber>
        <v1:FaxNumber>
          <v1:CountryCode>1</v1:CountryCode>
          <v1:AreaCode>835</v1:AreaCode>
          <v1:Phone>7349256</v1:Phone>
```

```

        <v1:Extension/>
        </v1:FaxNumber>
    </v1:Address>
    <v1:TaxNumber/>
</v1:ReceiverInformation>
<v1:ShipmentDate/>
<v1:PackageInformation>
    <v1:ServiceID>PurolatorGroundU.S.</v1:ServiceID>
    <v1:Description>UAT-TC005</v1:Description>
    <v1>TotalWeight>
        <v1:Value>10</v1:Value>
        <v1:WeightUnit>lb</v1:WeightUnit>
    </v1>TotalWeight>
    <v1>TotalPieces>1</v1>TotalPieces>
    <v1>PiecesInformation>
        <v1:Piece>
            <v1:Weight>
                <v1:Value>10</v1:Value>
                <v1:WeightUnit>lb</v1:WeightUnit>
            </v1:Weight>
            <v1:Length>
                <v1:Value>0</v1:Value>
                <v1:DimensionUnit>in</v1:DimensionUnit>
            </v1:Length>
            <v1:Width>
                <v1:Value>0</v1:Value>
                <v1:DimensionUnit>in</v1:DimensionUnit>
            </v1:Width>
            <v1:Height>
                <v1:Value>0</v1:Value>
                <v1:DimensionUnit>in</v1:DimensionUnit>
            </v1:Height>
        </v1:Piece>
    </v1>PiecesInformation>
<v1:DangerousGoodsDeclarationDocumentIndicator>false</v1:DangerousGoodsDeclarationDocumentIndicator>
    <v1>OptionsInformation>
        <v1>Options/>
    </v1>OptionsInformation>
</v1>PackageInformation>
<v1>InternationalInformation>
    <v1>DocumentsOnlyIndicator>false</v1>DocumentsOnlyIndicator>
    <v1>ContentDetails>
        <v1>ContentDetail>
            <v1>Description>WIDGET</v1>Description>
            <v1>HarmonizedCode/>
            <v1>CountryOfManufacture>CA</v1>CountryOfManufacture>
            <v1>ProductCode/>
            <v1>UnitValue>12</v1>UnitValue>
            <v1>Quantity>1</v1>Quantity>
            <v1>NAFTADocumentIndicator>false</v1>NAFTADocumentIndicator>
            <v1>FDAIndicator>false</v1>FDAIndicator>
            <v1>FCCDocumentIndicator>false</v1>FCCDocumentIndicator>
            <v1>SenderIsProducerIndicator>true</v1>SenderIsProducerIndicator>
        </v1>ContentDetail>
    </v1>ContentDetails>
    <v1>BuyerInformation>
        <v1>Address>
            <v1>Name>MR.BUYER</v1>Name>
            <v1>Company>BUYER CO</v1>Company>
            <v1>Department>PURCHASING</v1>Department>
            <v1>StreetNumber>4310</v1>StreetNumber>
            <v1>StreetSuffix>D</v1>StreetSuffix>
            <v1>StreetName>NORTH EAST KENTUCKY</v1>StreetName>
            <v1>StreetType>STREET</v1>StreetType>
            <v1>StreetDirection>N</v1>StreetDirection>
            <v1>Suite>111</v1>Suite>
        </v1>Address>
    </v1>BuyerInformation>

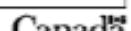
```

```

<v1:Floor>100</v1:Floor>
<v1:StreetAddress2>ACCOUNTS PAYABLE</v1:StreetAddress2>
<v1:StreetAddress3>ACCOUNTS PAYABLE NORTH</v1:StreetAddress3>
<v1:City>MISSISSAUGA</v1:City>
<v1:Province>ON</v1:Province>
<v1:Country>CA</v1:Country>
<v1:PostalCode>L5R3T8</v1:PostalCode>
<v1:PhoneNumber>
  <v1:CountryCode/>
  <v1:AreaCode>835</v1:AreaCode>
  <v1:Phone>7349256</v1:Phone>
  <v1:Extension/>
</v1:PhoneNumber>
<v1:FaxNumber>
  <v1:CountryCode/>
  <v1:AreaCode>835</v1:AreaCode>
  <v1:Phone>7349251</v1:Phone>
  <v1:Extension/>
</v1:FaxNumber>
</v1:Address>
<v1:TaxNumber>12345611</v1:TaxNumber>
</v1:BuyerInformation>
<v1:PreferredCustomsBroker>US551-ACCENT</v1:PreferredCustomsBroker>
<v1:DutyInformation>
  <v1:BillDutiesToParty>Buyer</v1:BillDutiesToParty>
  <v1:BusinessRelationship>NotRelated</v1:BusinessRelationship>
  <v1:Currency>CAD</v1:Currency>
</v1:DutyInformation>
<v1:ImportExportType>Permanent</v1:ImportExportType>
<v1:CustomsInvoiceDocumentIndicator>true</v1:CustomsInvoiceDocumentIndicator>
</v1:InternationalInformation>
<v1:PaymentInformation>
  <v1:PaymentType>Sender</v1:PaymentType>
  <v1:RegisteredAccountNumber>0554954</v1:RegisteredAccountNumber>
  <v1:BillingAccountNumber/>
</v1:PaymentInformation>
<v1:PickupInformation>
  <v1:PickupType>DropOff</v1:PickupType>
</v1:PickupInformation>
<v1:NotificationInformation/>
<v1:TrackingReferenceInformation>
  <v1:Reference1>My Reference</v1:Reference1>
  <v1:Reference2/>
  <v1:Reference3/>
  <v1:Reference3/>
</v1:TrackingReferenceInformation>
<v1:OtherInformation/>
</v1:Shipment>
<v1:PrinterType>Thermal</v1:PrinterType>
</v1>CreateShipmentRequest>

```

3.12 Shipping Documentation – NAFTA Certificate of Origin

	Canada Border Services Agency Agence des services frontaliers du Canada	PROTECTED B (When Completed)																				
NORTH AMERICAN FREE TRADE AGREEMENT CERTIFICATE OF ORIGIN <small>(Instructions Attached)</small>																						
<p>Please print or type</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">1 Exporter's Name and Address:</td> <td style="width: 50%; padding: 5px;">2 Blanket Period: From <input type="text" value="DD-MMM-YY"/> To <input type="text" value="DD-MMM-YY"/></td> </tr> <tr> <td colspan="2" style="padding: 5px; text-align: center;">Tax Identification Number: ►</td> </tr> <tr> <td style="padding: 5px;">3 Producer's Name and Address:</td> <td style="padding: 5px;">4 Importer's Name and Address:</td> </tr> <tr> <td colspan="2" style="padding: 5px; text-align: center;">Tax Identification Number: ►</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%; padding: 5px;">5 Description of Good(s)</th> <th style="width: 15%; padding: 5px;">6 HS tariff Classification Number</th> <th style="width: 15%; padding: 5px;">7 Preference Criteria</th> <th style="width: 15%; padding: 5px;">8 Producer</th> <th style="width: 15%; padding: 5px;">9 Net Cost</th> <th style="width: 15%; padding: 5px;">10 Country of Origin</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="height: 150px;"></td> </tr> </tbody> </table>			1 Exporter's Name and Address:	2 Blanket Period: From <input type="text" value="DD-MMM-YY"/> To <input type="text" value="DD-MMM-YY"/>	Tax Identification Number: ►		3 Producer's Name and Address:	4 Importer's Name and Address:	Tax Identification Number: ►		5 Description of Good(s)	6 HS tariff Classification Number	7 Preference Criteria	8 Producer	9 Net Cost	10 Country of Origin						
1 Exporter's Name and Address:	2 Blanket Period: From <input type="text" value="DD-MMM-YY"/> To <input type="text" value="DD-MMM-YY"/>																					
Tax Identification Number: ►																						
3 Producer's Name and Address:	4 Importer's Name and Address:																					
Tax Identification Number: ►																						
5 Description of Good(s)	6 HS tariff Classification Number	7 Preference Criteria	8 Producer	9 Net Cost	10 Country of Origin																	
<p>11 I certify that:</p> <ul style="list-style-type: none"> - the information on this document is true and accurate and I assume the responsibility for proving such representations. I understand that I am liable for any false statements or material omissions made on or in connection with this document; - I agree to maintain, and present upon request, documentation necessary to support this Certificate, and to inform, in writing, all persons to whom the Certificate was given of any changes that would affect the accuracy or validity of this Certificate; - the goods originated in the territory of one or more of the Parties, and comply with the origin requirements specified for those goods in the North American Free Trade Agreement, and unless specifically exempted in Article 411 or Annex 401, there has been no further production or any other operation outside the territories of the Parties; and - this Certificate consists of <input type="text" value=" "/> pages, including all attachments. 																						
Authorized Signature:		Company:																				
Name:		Title:																				
Data (dd-mm-yy)	Telephone:	Fax:																				
B232 E (CB)		(Ce formulaire existe aussi en français)																				
		BSF314 E																				
																						

(Document not to scale)

**NORTH AMERICAN FREE TRADE AGREEMENT
CERTIFICATE OF ORIGIN INSTRUCTIONS**

For purposes of obtaining preferential tariff treatment, this document must be completed legibly and in full by the exporter and be in the possession of the importer at the time the declaration is made. This document may also be completed voluntarily by the producer for use by the exporter. Please print or type.

- Field 1: State the full legal name, address (including country) and legal tax identification number of the exporter. Legal tax identification number is: In Canada, employer number assigned by the Canada Revenue Agency or the import/exporter number assigned by the Canada Border Services Agency; in Mexico, federal taxpayer's registry number (RFC); and the United States, employer's identification number or Social Security Number.
- Field 2: Complete Field 1 if the Certificate covers multiple shipments of identical goods as described in Field 5 that are imported into a NAFTA country for a specified period of up to one year (blanket period). "FROM" is the date upon which the Certificate becomes applicable to the good covered by the blanket Certificate (it may be prior to the date of signing this Certificate). "TO" is the date upon which the blanket period expires. The importation of a good for which preferential tariff treatment is claimed based on this Certificate must occur between these dates.
- Field 3: State the full legal name, address (including country) and legal tax identification number, as defined in Field 1, of the producer. If more than one producer's good is included on the Certificate, attach a list of the additional producers, including the legal name, address (including country) and legal tax identification number, cross-referenced to the good described in Field 5. If you wish this information to be confidential, it is acceptable to state "Available to Customs upon request". If the producer and the exporter are the same, complete field with "SAME". If the producer is unknown, it is acceptable to state "UNKNOWN".
- Field 4: State the full legal name, address (including country) and legal tax identification number, as defined in Field 1, of the importer. If importer is not known, state "UNKNOWN", if multiple importers, state "VARIOUS".
- Field 5: Provide a full description of each good. The description should be sufficient to relate it to the invoice description and to the Harmonized System (HS) description of the good. If the Certificate covers a single shipment of a good, include the invoice number as shown on the commercial invoice. If not known, indicate another unique reference number, such as the shipping order number.
- Field 6: For each good described in Field 5, identify the HS tariff classification to six digits. If the good is subject to a specific rule of origin in Annex 401 that requires eight digits, identify to eight digits, using the HS tariff classification of the country into whose territory the good is imported.
- Field 7: For each good described in Field 5, state which criterion (A through F) is applicable. The rules of origin are contained in Chapter Four and Annex 401. Additional rules are described in Annex 703.2 (certain agricultural goods), Annex 300.B, Appendix 6A (certain textile goods) and Annex 308.1 (certain automatic data processing goods and their parts). Note: In order to be entitled to preferential tariff treatment, each good must meet at least one of the criteria below.

Preference Criteria

- A. The good is "wholly obtained or produced entirely" in the territory of one or more of the NAFTA countries, as referred to in Article 415. Note: The purchase of a good in the territory does not necessarily render it "wholly obtained or produced". If the good is an agricultural good, see also criterion F and Annex 703.2. (Reference: Article 401(a) and 415)
- B. The good is produced entirely in the territory of one or more of the NAFTA countries and satisfies the specific rule of origin, set out in Annex 401, that applies to its tariff classification. The rule may include a tariff classification change, regional value-content requirement or a combination thereof. The good must also satisfy all other applicable requirements of Chapter Four. If the good is an agricultural good, see also criterion F and Annex 703.2. (Reference: Article 401(b))
- C. The good is produced entirely in the territory of one or more of the NAFTA countries exclusively from originating materials. Under this criterion, one or more of the materials may not fall within the definition of "wholly produced or obtained", as set out in Article 415. All materials used in the production of the good must qualify as "originating" by meeting the rules of Article 401(a) through (d). If the good is an agricultural good, see also criterion F and Annex 703.2. (Reference: Article 401(c))
- D. Goods are produced in the territory of one or more of the NAFTA countries but do not meet the applicable rule of origin, set out in Annex 401, because certain non-originating materials do not undergo the required change in tariff classification. The goods do nonetheless meet the regional value-content requirement specified in Article 401(d). This criterion is limited to the following two circumstances:
1. the good was imported into the territory of a NAFTA country in an unassembled or disassembled form but was classified as an assembled good, pursuant to HS General Rule of Interpretation 2(a); or
 2. the good incorporated one or more non-originating materials, provided for as parts under the HS, which could not undergo a change in tariff classification because the heading provided for both the good and its parts and was not further subdivided into subheadings, or the subheading provided for both the good and its parts and was not further subdivided.
- Note: This criterion does not apply to Chapters 81 through 93 of the HS (Reference: Article 401(d))

- E. Certain automatic data processing goods and their parts, specified in Annex 308.1, that do not originate in the territory are considered originating upon importation into the territory of a NAFTA country from the territory of another NAFTA country when the Most-Favoured-Nation Tariff rate of the good conforms to the rate established in Annex 308.1 and is common to all NAFTA countries. (Reference: Annex 308.1)
- F. The good is an originating agricultural good under preference criterion A, B or C above and is not subject to a quantitative restriction in the importing NAFTA country because it is a "qualifying good" as defined in Annex 703.2, Section A or B (please specify). A good listed in Appendix 703.2.B.7 is also exempt from quantitative restrictions and is eligible for NAFTA preferential tariff treatment if it meets the definition of "qualifying good" in Section A of Annex 703.2. Note 1: This criterion does not apply to goods that wholly originate in Canada or the United States and are imported into either country. Note: A tariff rate quota is not a quantitative restriction.

- Field 8: For each good described in Field 5, state "YES" if you are the producer of the good. If you are not the producer of the good, state "NO" followed by (1), (2), or (3), depending on whether this certificate was based upon: (1) your knowledge of whether the good qualifies as an originating good, (2) your reliance on the producer's written representation (other than a Certificate of Origin) that the good qualifies as an originating good, or (3) a completed and signed Certificate for the good, voluntarily provided to the exporter by the producer.

- Field 9: For each good described in Field 5, where the good is subject to a regional value content (RVC) requirement, indicate "YES" if the RVC is calculated according to the net cost method; otherwise, indicate "NO". If the RVC is calculated according to the net cost method over a period of time, further identify the beginning and ending dates (DDMMYY) of that period. (Reference: Articles 402.1, 402.5)

- Field 10: Identify the name of the country ("MX" or "US" for agricultural and textile goods exported to Canada; "US" or "CA" for all goods exported to Mexico; or "CA" or "MX" for all goods exported to the United States) to which the preferential rate of customs duty applies, as set out in Annex 302.2, in accordance with the Marking Rules or in each Party's schedule of tariff elimination.

For all other originating goods exported to Canada, indicate appropriately "MX" or "US" if the goods originate in that NAFTA country, within the meaning of the NAFTA Rules of Origin Regulations, and any subsequent processing in the other NAFTA country does not increase the transaction value of the goods by more than 7%; otherwise indicate as "JNT" for joint production. (Reference: Annex 302.2)

- Field 11: This field must be completed, signed and dated by the exporter. When the Certificate is completed by the producer for use by the exporter, it must be completed, signed and dated by the producer. The date must be the date the Certificate was completed and signed.

(Document not to scale)

3.13 Shipping Documentation – Federal Communications Commission (Form FCC 740)

FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

Approved by OMB
3000-0059

STATEMENT REGARDING THE IMPORTATION OF RADIO FREQUENCY DEVICES CAPABLE OF CAUSING HARMFUL INTERFERENCE

(Read instructions before completing form. Please type or print clearly in ink.)

Part I - All Blocks MUST Be Completed				
Date of Entry	Entry Number	Port of Entry ¹	Harmonized Tariff Number ²	Quantity of Item (not number of containers) ³
Device Model/Type Name or #	Trade Name	FCC ID	Description of Equipment	
Manufacturer's Name and Address	Consignee's Name and Address	Importer's Name and Address		
Printed or Typed Name of Importer or Consignee	Signature of Importer or Consignee		Date (Month/Day/Year)	

Warning: Any person who knowingly makes a false declaration may be fined not more than \$250,000 or imprisoned not more than 5 years, or both, pursuant to 18 U.S.C. § 1001.

Part II - With Regard to the Importation of the Described Radio Frequency Device(s), I DECLARE THAT: (Place an "X" in only one box)	
<input type="checkbox"/>	1. The FCC has issued a grant of equipment authorization for the FCC ID listed above.
<input type="checkbox"/>	2. An FCC grant of equipment authorization and an FCC ID are not required, but the equipment complies with FCC technical requirements.
<input type="checkbox"/>	3. The described equipment is being imported in limited quantities for testing and evaluation for compliance with technical requirements or marketing suitability. The equipment will not be offered for sale or otherwise marketed. (See Instructions)
<input type="checkbox"/>	4. The described equipment is being imported in limited quantities for demonstration at industry trade shows and will not be offered for sale or otherwise marketed. (See Instructions)
<input type="checkbox"/>	5. The described equipment is being imported solely for export. It will not be offered for sale or otherwise marketed in the U.S.
<input type="checkbox"/>	5(a). The described equipment is a non-U.S. standard cellular phone that can only function outside of the U.S. (See Instructions)
<input type="checkbox"/>	6. The described equipment is being imported for use exclusively by the U.S. Government.
<input type="checkbox"/>	7. Three or fewer radio receivers, computers, or other unintentional radiators as defined in Part 15 of the FCC Rules, are being imported for an individual's personal use and are not intended for sale.
<input type="checkbox"/>	8. The described equipment is being imported for repair and will not be offered for sale or otherwise marketed.

1. Port of Entry Use Schedule D – Classification of U.S. Customs Districts and Ports for U.S. Foreign Trade Statistics – a four digit code i.e., New York City, NY 1001.
2. Harmonized Tariff Number – Harmonized Tariff Schedule of the United States.
3. This quantity must be total number of items, not number of containers.

(Document not to scale)

INSTRUCTIONS FOR COMPLETION OF FCC FORM 740

This form must be completed for each radio frequency device, as defined in 47 U.S.C. 302 and 47 C.F.R. 2.801, which is imported into the Customs territory of the United States. The original shall be filed with the U.S. Customs Service on or before the date the shipment is delivered to a U.S. port of entry.

The completed form must accompany each such entry.

The following are typical examples of devices that require the use of FCC Form 740: radio and TV receivers, converters, transmitters, transmitting devices, radio frequency amplifiers, microwave ovens, industrial heaters, ultrasonic equipment, transceivers, and computers.

Marketing, as used in this form (and 47 C.F.R. 2.1201 et seq.), means sale or lease (including advertising for sale or lease, or display at a trade show) or import, ship or distribute for the purpose of selling or leasing or offering for sale or lease.

Limited quantities, as used in this form, are the number specified in 47 C.F.R. 2.1204(a)(3). Waivers of this limit are infrequently granted but may be requested from the FCC office listed in 47 C.F.R. 2.1204(a)(3)(iii). Written waiver requests must contain specific information required by that office.

Equipment imported for test, evaluation or display (see import conditions 3 or 4 of Part II of this form) may not be marketed (sold or leased, offered for sale or lease, advertised, etc.). Display of this equipment must include markings clearly indicating that the device(s) are not eligible for sale. See 47 C.F.R. 2.803 for details regarding this labeling.

Wireless telephony devices that do not have a FCC grant of equipment authorization must either comply with 47 C.F.R. 2.1204(a)(5) or 47 C.F.R. 2.803(a)(2) (e.g., Verification or Declaration of Conformity is required).

The identification (company name and model number/FCC ID) of the radio frequency device specified on the front of this form must be identical to the company name and model number/FCC ID inscribed on the device. If the device being imported requires an equipment authorization to be issued by the FCC (e.g., Certification), it is important that the name of the company, description of the device and FCC ID specified on the grant of equipment authorization agree exactly with the same information shown on the front of this form. Any discrepancy between the information on this form and the FCC grant of equipment authorization may result in unnecessary delays, additional expense, or enforcement action.

FCC Form 740 may be reproduced provided the following conditions are met (see 47 C.F.R. 0.409, Commission Policy on Private Printing of FCC Forms.) Some of the conditions are listed below:

1. That private companies reproducing the form use a printing process resulting in a product that is comparable to the original document;
2. That private companies reproducing the form refrain from including therein or attaching thereto any advertising matter or deleting any material from the form;
3. That private companies reproducing the form exercise care that the form being reproduced or distributed is the current edition presently used by the FCC for the type of application involved; such private company to be advised that, though the Commission will endeavor to keep the public advised of revisions of the form, it cannot assume responsibility to the extent of eliminating any element or risk against overstocking, etc.

PAPERWORK REDUCTION ACT STATEMENT AND PRIVACY ACT STATEMENT

The solicitation of information requested on this form is authorized by the Communications Act of 1934, as amended. The information collected will be used to ascertain whether equipment authorization is required, and if so, whether or not it has been granted. If all the information is not provided the importation of this or other shipments may be delayed or prevented. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain a benefit.

Public reporting for this collection of information is estimated to average .04 seconds per response, including the time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, should be sent to the Federal Communications Commission, Performance and Evaluations and Records Management, Washington, DC 20554, Paperwork Reduction Project (3060-0059) DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. Individuals are not required to respond to a collection of information unless it displays a currently valid OMB control number.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552A(E)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.
FCC Form 740 instructions – Page 2

March 2004

3.14 Shipping Documentation - Department of Health and Human Services (Form FDA 2877)

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DECLARATION FOR IMPORTED ELECTRONIC PRODUCTS SUBJECT TO RADIATION CONTROL STANDARDS		<i>Form Approved OMB No. 0910-0025 Expiration Date: October 31, 2013</i> INSTRUCTIONS 1. If submitting entries electronically through ACS/ABI, hold FDA-2877 in entry file. Do not submit to FDA unless requested. 2. If submitting paper entry documents, submit the following to FDA: a. 2 copies of Customs Entry Form (e.g. CF 3461, CF 3461 A/I, CF 7501, etc.) b. 1 copy of FDA-2877 c. Commercial Invoice(s) in English.	
U.S. CUSTOMS PORT OF ENTRY		ENTRY NUMBER	DATE OF ENTRY
NAME & ADDRESS OF MANUFACTURING SITE; COUNTRY OF ORIGIN		NAME & ADDRESS OF IMPORTER & ULTIMATE CONSIGNEE (if not importer)	
PRODUCT DESCRIPTION	QUANTITY (Items/Containers)	MODEL NUMBER(S) & BRAND NAME(S)	
DECLARATION: I / WE DECLARE THAT THE PRODUCTS IDENTIFIED ABOVE: <i>(Mark X applicable statements, fill in blanks, & sign)</i>			
<input type="checkbox"/> A. ARE NOT SUBJECT TO RADIATION PERFORMANCE STANDARDS BECAUSE THEY: <ul style="list-style-type: none"> <input type="checkbox"/> 1. Were manufactured prior to the effective date of any applicable standard; Date of Manufacture _____. <input type="checkbox"/> 2. Are excluded by the applicability clause or definition in the standard or by FDA written guidance. Specify reason for exclusion: _____ <input type="checkbox"/> 3. Are personal household goods of an individual entering the U.S. or being returned to a U.S. resident. (Limit: 3 of each product type). <input type="checkbox"/> 4. Are property of a party residing outside the U.S. and will be returned to the owner after repair or servicing. <input type="checkbox"/> 5. Are components or subassemblies to be used in manufacturing or as replacement parts (NOT APPLICABLE to diagnostic x-ray parts). <input type="checkbox"/> 6. Are prototypes intended for on going product development by the importing firm, are labeled "FOR TEST/EVALUATION ONLY," and will be exported, destroyed, or held for future testing (i.e., not distributed). (Quantities Limited - see reverse.) <input type="checkbox"/> 7. Are being reprocessed in accordance with P.L. 104-134 or other FDA guidance, are labeled "FOR EXPORT ONLY," and will not be sold, distributed, or transferred without FDA approval. 			
<input type="checkbox"/> B. COMPLY WITH THE PERFORMANCE STANDARDS WHICH ARE APPLICABLE AT DATE OF MANUFACTURE AND THAT A CERTIFICATION LABEL OR TAG TO THIS EFFECT IS AFFIXED TO EACH PRODUCT. COMPLIANCE DOCUMENTED IN: <ul style="list-style-type: none"> <input type="checkbox"/> 1. Last annual report or Product/Initial report ACCESSION NUMBER of Report _____ Name of MANUFACTURER OF RECORD (Filed report with FDA/CDRH) <input type="checkbox"/> 2. Unknown manufacturer or report number; State reason: _____ 			
<input type="checkbox"/> C. DO NOT COMPLY WITH PERFORMANCE STANDARDS; ARE BEING HELD UNDER A TEMPORARY IMPORT BOND; WILL NOT BE INTRODUCED INTO COMMERCE; WILL BE USED UNDER A RADIATION PROTECTION PLAN; AND WILL BE DESTROYED OR EXPORTED UNDER U.S. CUSTOMS SUPERVISION WHEN THE FOLLOWING MISSION IS COMPLETE: <ul style="list-style-type: none"> <input type="checkbox"/> 1. Research, Investigations/Studies, or Training (attach Form FDA 766) <input type="checkbox"/> 2. Trade Show/Demonstration; List dates & use restrictions _____. 			
<input type="checkbox"/> D. DO NOT COMPLY WITH PERFORMANCE STANDARDS; ARE HELD AND WILL REMAIN UNDER BOND; AND WILL NOT BE INTRODUCED INTO COMMERCE UNTIL NOTIFICATION IS RECEIVED FROM FDA THAT PRODUCTS HAVE BEEN BROUGHT INTO COMPLIANCE IN ACCORDANCE WITH AN FDA APPROVED PETITION. (See Form FDA 766.) <ul style="list-style-type: none"> <input type="checkbox"/> 1. Approved Petition is attached. <input type="checkbox"/> 2. Petition Request is attached. <input type="checkbox"/> 3. Request will be submitted within 60 days. 			
WARNING: Any person who knowingly makes a false declaration may be fined not more than \$10,000 or imprisoned not more than 5 years or both, pursuant to Title 18 U.S.C. 1001. Any person importing a non-compliant electronic product may also be subject to civil penalties of \$1000 per violation, up to a maximum \$300,000 for related violations pursuant to Title 21 U.S.C. 360pp.		SIGNATURE OF IMPORTER OF RECORD NAME AND TITLE OF RESPONSIBLE PERSON	
Public reporting burden for this collection of information is estimated to average 0.2 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:			
Department of Health and Human Services Food and Drug Administration Office of Chief Information Officer 1350 Picard Drive, Room 400 Rockville, MD 20850		<i>An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.</i>	

INSTRUCTIONS TO IMPORTERS/BROKERS OF ELECTRONIC PRODUCTS

PURPOSE: The Form FDA 2877 must be completed for electronic products subject to Radiation Control Standards (21 CFR 1010 and 1020-1050) prior to entry into the United States. The local Food and Drug Administration (FDA) district office will review the declaration and notify the importer/agent if the products may be released into U.S. commerce or if they must be held under bond until exported, destroyed, or reconditioned. Until the shipment is released, it may be subject to redelivery for FDA examination.

PAPER OR ELECTRONIC SUBMISSION: Paper entries may be made by submitting the signed original FDA 2877 along with U.S. Customs forms to the local FDA district office; if electronic products are given a MAY PROCEED, a signed copy of CF 3461 will be returned, or if not given a MAY PROCEED, a FDA Notice of Action will be issued. For electronic entries, follow U.S. Customs Service ACS/ABI format and procedures, supported by a signed copy of this form or similar letter. Multiple entries of the same product and model families that are filed electronically may be supported by one form dated not more than 12 months previously.

DECLARATION: Select A, B, C, or D and then select the appropriate number; fill in requested information and sign. For electronic entries, AoC (affirmation of compliance) = RA#, RB#, RC#, or RD# (e.g., Radiation Declaration A5 = RA5). Transmit model number using AoC code MDL and transmit brand name using FDA line level brand name field. If RA3 or RA6 is selected, you must transmit quantity (number of units) using the Quantity and Unit of Measure Pairs at the FDA line level.

DECLARATION A: Importers should be prepared to demonstrate compliance to or non-applicability of FDA standards, regulations, or guidance. Components or sub-assemblies must be non-functioning. Products being reprocessed must be exported by the importer, without intermediate transfer of ownership. For RA3 the quantity limit is 3 and for RA6 the limit = 50 units TV products, microwave ovens, and Class 1 laser products limit = 200 units CD-ROM and DVD (digital versatile disc) laser products; see May 14, 1997, notice to industry issued by the Center for Devices and Radiological Health (CDRH).

DECLARATION B: If declaration RB1 is selected, provide the FDA Establishment Identifier (FEI) of the manufacturer who filed the radiation product/abbreviated report to FDA, CDRH, Rockville, Maryland. To transmit the accession number of that report use AoC code ACC. If the manufacturer cannot be determined or located, the importer must be able to provide evidence showing a certification (certifi.) label on each product and state reason: returned to orig exporter or certifi. label evidence. The new AoC codes (RB1, RB2) for this declaration will not be activated until a process is made available to determine the FEI of the responsible firm. Continue to use RAB in electronic transmission until the FEI query is available and industry is notified of its availability.

DECLARATION C: Noncompliant products may be imported only for research, investigations/studies, demonstration or training. They should be used only by trained personnel and under controlled conditions to avoid unnecessary radiation exposure. Product(s) will be detained by the local FDA district office. Since product(s) for which "C" Declarations are made will be under Temporary Import Bond (TIB) or equivalent, ultimate disposition is limited to export or destruction under U.S. Customs supervision when the purpose has been achieved or the length of time stated has expired. For purposes other than demonstration, the Form FDA 766, outlining protections, must be approved by FDA prior to use. The importer/broker must include with the FDA 766:

1. A full description of the subject electronic product(s).
2. The purpose for which the product(s) is being imported.
3. How the product(s) will be used.
4. Where the product(s) will be located.
5. The approximate length of time and dates the product(s) will be in this country.

For product(s) being used for trade shows/demonstrations, list the dates and use restrictions (Form FDA 766 is not required). A sign stating that the product does not comply with FDA performance standards must be displayed and viewable at all times during the use of product(s). All medical products, cabinet x-ray, or Class IIIb and IV lasers may NOT operate (turn on product(s)) at trade shows.

DECLARATION D: Noncompliant products must be brought into compliance with standards under FDA supervision and following a plan approved by FDA. The plan, documented on the Form FDA 766, must address technical requirements, labeling, and reporting. Some plans may need approval by both the CDRH and the local FDA district office. Use of this declaration is limited to occasional shipments; ongoing reconditioning is considered manufacturing that is handled through other means. Product(s) will be detained by the local FDA district office. An FDA 766 must be filed indicating the procedure intended to bring the product into compliance. This procedure will include a satisfactory corrective action plan and/or a product report. The FDA 766 must include all of the information requested under Declaration C. The approximate length of time will be for the amount of time needed to bring product(s) into compliance. Declaration D is also made for failure to provide reports, failure to certify, etc.

If an importer/broker intends to import equipment into the United States for purposes of research, investigation, studies, demonstrations, or training but also wishes to retain the option of bringing the product into compliance with the performance standard, check Declarations C and D on the FDA 2877 and insert the word "or" between the Affirmations. Note: The U.S. Customs Service will treat this entry as a "D" Declaration for purposes of duty. Such requests must be made on the FDA 766; include Items 1, 2, and 3 under Declaration C, a statement of the need to use the option "C" or "D" Declaration, a statement of how the product(s) will be brought into compliance and the approximate length of time necessary to evaluate or demonstrate the product(s) and the time necessary to bring the product(s) into compliance (both actions must be accomplished within the period of time granted by FDA). For electronic entries select Declaration RD3.

Ultimately, product(s) must be brought into compliance with the applicable standard in accordance with a corrective action plan which has been approved by the FDA. If the product(s) are not brought into compliance within the allotted time frame of the approved application and an extension is not requested of, or granted by, the FDA, the local FDA district office shall refuse entry on the shipment and require the product(s) to be either exported or destroyed under U.S. Customs supervision.

If additional guidance is needed, please contact your local FDA district office or consult the following FDA web pages: www.fda.gov/, www.fda.gov/ora/hier/ora_field_names.txt, and http://www.fda.gov/ors/compliance_ref/rpm/.

[Ref: 21 U.S.C. 360mm, 21 CFR 1005, 19 CFR 12.90-12.91.]

FDA: CP 7382.007/.007A

FORM FDA 2877 (1/11)

PREVIOUS EDITION IS OBSOLETE.

PAGE 2 OF 2 PAGES

3.15 Shipping Documentation - Dangerous Goods Declaration Form for Ground Shipments

Purolator						
DANGEROUS GOODS DECLARATION FOR GROUND SHIPMENTS DECLARATION DE L'EXPÉDITEUR POUR ENVOI TERRESTRE						
Date:	Waybill Number/ Numéro de connaissement:					
Consignor/ Expéditeur:	Consignee/Destinataire:					
Address/Adresse:	Address/Adresse:					
City/Ville-Prov:	City/Ville -Prov:					
Postal Code Postal:	Postal Code Postal:					
Telephone/ Téléphone:	Telephone/ Téléphone:					
DESCRIPTION OF DANGEROUS GOODS/ DESCRIPTION DES MARCHANDISES DANGEREUSES						
UN Number Numéro UN	Proper Shipping Name Appellation Réglementaire	Primary Class Classe Principale	Sub Class “(in brackets)” Classe Sous-classe	Packing Group Groupe D’emballage	# of Pkgs # de Colis	Volume/Weight Volume/Poids
PLACARDS REQUIRED? PLACARDS REQUIS : NO/NON / YES/OUI - CLASS/CLASSE _____ X 4 24 HOUR NUMBER/ NUMERO 24 HRS: _____						
Other Details/Autre Détails: _____ _____ _____						
Certification Statement: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded and are in all respects in proper condition for transport according to the applicable international and national government regulations."						
Déclaration d’attestation: " Je déclare par la présente que la désignation exacte d’expédition ci-dessus, décrit avec précision et exactitude le contenu de cette expédition qui est classifiée, emballée, marquée, étiquetée ou dotée d’une plaque-étiquette de danger et à tous égards en bon état pour le transport conformément à la réglementation internationale ou nationale applicable"						
Shipper Signature / Signature de l’Expéditeur : _____						

(Document not to scale)

3.16 Manifest

This is a sample of the Manifest or Courier's Final Pickup Sheet.

Page 1 of 1

Purolator Inc. Detailed Manifest							
Service Date (MM/DD/YYYY): 1/14/2016				Manifest Number: 000232782666			
Shipper Customer No.: 2355608							
Shipper: Toronto Argonauts Football Clu							
Address: 212 King Street West Toronto, ON M5H 1K5				Shipments	Weight	Pieces	Charge
Totals for this Manifest:		2	2.00 (lb)	2	\$30.40	\$0.00	\$0.00
PIN		Consignee/Name City, Prov Reference	Prod Type	Pieces	Weight(lb)	Declared Value	SH/DG COS Charges
1	330631186377	Ron Simon ETOBICOKE, ON M9V2Z1 100076	EE	1	1.00	\$0.00	\$15.20 GST/HST: \$0.00
2	330631203982	Ron Simon ETOBICOKE, ON M9V2Z1 100076	EE	1	1.00	\$0.00	\$15.20 GST/HST: \$0.00
Shipper's Signature: Toronto Argonauts Football Clu _____			Courier's Signature: Purolator Inc. _____ Date: _____				

3.17 Application Profile Form



CONFIDENTIAL

CWS Application Profile

Commercial Providers

Version 1.2.

This form is required for all Applications supporting Purolator.

All applicable sections must be completed in order for this form to be valid

Commercial Provider Profile	
Commercial Provider	
Name:	
Street Address 1:	
Street Address 2:	
City:	
Province / State:	
Postal/Zip Code:	Country:
Commercial Provider Contacts	
Business Contact	
i.e. Decision taker/Owner	
Business Telephone	
Business Email	
Technical Contact	
i.e. Development Lead	
Technical Telephone	
Technical Email	
Support Contact	
Support Telephone	
Support Email	
Platform Name:	
Development Key:	
Email associated to Development Key:	

Timeline Commitment

Purolator requires completion of development and certification in a timely manner. Please provide reasonable commitments for the following milestones:

Development Start

Development

Certification Start

Certification Completion

Go Live

Application Profile

Please provide the following information related to the shipping application:

Application Name

Application Version

Application Scope

Purolator offers eight web services. Please select the services that will be supported by the Application:

Shipping Services includes Service Availability, Shipping and Get Documents Web Services

Determine if single or multiple shipping addresses are linked with same business account (single point of origin: default shipping address from Production Key is used):

Single Point of Origin

Multiple Point of Origin

Estimates Services

Pickup Services

Tracking Services

Returns Management

Locator Services

Comments

3.18 Application Profile – Scope of Work

Application Profile – Scope of Work

Web Services, Shipping Options & Services, and System Functionality

'Partner Name' shall develop Functionality (as described below) as they relate to the '*'Partner Name'* platform to be developed in conjunction with the offering of Purolator's transportation services. '*'Partner Name'* shall develop the **Mandatory** elements as indicated on the following document, at a minimum. For 'Automatic' items, the system will automatically apply the specific service based on the data entered by the end-user (e.g. 'Residential area' will automatically apply based on the destination address identified as 'residential')

Registration for Development

'Partner Name' shall register through <https://eship.purolator.com> in order to receive the development key which will enable '*'Partner Name'* access to development environment for developing the API connections necessary. Upon the completion of Purolator's QA and certification process in respect of '*'Partner Name'* development platform, a certification key will be granted.

Change Management

In the event Purolator requests that Functionality is modified, or new mandatory Functionality implemented, '*'Partner Name'* shall update the platform using their existing development key. Upon receiving such request, '*'Partner Name'* shall notify Purolator of the expected timeline commitment to implement such change, with the expectation that Purolator personnel will cooperate with '*'Partner Name'* to implement any requested changes. Any such modifications required by Purolator shall be free of any fees or expenses.

1. Web Services

Web Services Endpoint	Method	Mandatory (M) Strongly Recommended (SR)
Service Availability	Validate City/Postal Code/Zip Code	M
	Get Services Options	M
	Get Service Rules	M
Estimates	Get Quick Estimate	SR
	Get Full Estimate	M
Shipping	Validate Shipment	SR
	Create Shipment	M
	Void Shipment	M
Returns Management	Consolidate	SR
	Validate Return Shipment	SR
	Create Return Shipment	M
Get Documents	Get Documents	M
	Get Shipment Manifest Document	SR
Pickup	Validate Pickup	SR
	Schedule Pickup	M
	Get Pickup History	SR
	Modify Pickup	M
	Void Pickup	M
Tracking	Track Package By PIN	M
	Track Package By Reference	M
	Get Delivery Details	M
Locator	GetLocationsByAddress	SR
	GetLocationsByCoordinates	SR
	GetLocationsByCity	SR
	GetLocationsByPointOfInterest	SR

Web Services Endpoint	Method	Mandatory (M) Strongly Recommended (SR)
	GetLocationsByPostalCode	SR

2. Specialized Services

SERV	Web Services: Service Availability, Estimates, Shipping, Return Management Shipping Options and Specialized Services (incl. Surcharged Services)	Mandatory (M) or Strongly Recommended (SR)	Link to Web Services Endpoint/ Method Validation
1	ExpressCheque	SR	Service Availability - GetServicesOptions
2	Dangerous Goods	SR	Service Availability - GetServicesOptions
3	Chain of Signature (COS)	SR	Service Availability - GetServicesOptions
4	Return Services - Return Shipment (no surcharge)	M	Returns Management Shipping
5	Return Services - Outbound Shipment w/return label (no surcharge)	SR	Shipping - Create Shipment
6	Residential Area	automatic	Service Availability - GetServicesOptions
7	Residential Pickup	M	Estimates
8	Saturday Pickup	M	Service Availability - GetServicesOptions
9	Saturday Delivery	M	Service Availability - GetServicesOptions
10	Beyond Point	automatic	Service Availability - GetServicesOptions
11	Residential Signature Required	M	Service Availability - GetServicesOptions
12	OSNR (no surcharge)	automatic	Service Availability - GetServicesOptions
13	Special Handling - Heavy Weight (>70LBS)	automatic	Service Availability - GetServicesOptions
14	Special Handling - Oversized	automatic	Service Availability - GetServicesOptions
15	Special Handling - Liquid	M	Service Availability - GetServicesOptions
16	Special Handling - Non-packaged	M	Service Availability - GetServicesOptions
17	Special Handling - Management Discretion	M	Service Availability - GetServicesOptions
18	Hold for Pickup (no surcharge)	M	Service Availability - GetServicesOptions
19	Future Shipping Functionality (Max 10 days)	M	Shipping - Create Shipment
20	Multi-Piece	automatic	Service Availability - GetServiceRules
21	Cubing (Dimensional Weight)	SR	Estimates Shipping - Create Shipment
22	Declared Value	M	Service Availability - GetServicesOptions
23	Advance Shipment Notification at the Shipment level (no surcharge)	SR	Shipping - Create Shipment
24	Proactive Notification (no surcharge)	SR	Shipping - Create Shipment
25	Calculate Transit Time ¹	automatic	Estimates
26	Expected Delivery Date ²	automatic	Estimates Shipment Tracking
27	Void Functionality	M	Shipping - Void Shipment Pickup - Void Pickup
28	Payment Types (Sender, CreditCard)	M	Shipping - Create Shipment

3. Documentation

DOC	Web Service: Get Documents	Mandatory (M), Strongly Recommended (SR) or Conditional (C) ³	Link to Web Services Endpoint/Method
1	Standard Shipping Label - Domestic	M	Get Documents
2	Standard Shipping Label - Domestic ExpressCheque	C	Get Documents
3	Standard Shipping Label - Domestic Receiver ExpressCheque Receipt	C	Get Documents
4	Standard Shipping Label - Domestic COS	C	Get Documents
5	Standard Shipping Label - Domestic Return Services	C	Get Documents
6	Standard Shipping Label - Domestic Purolator International LOB (PR0299)	M	Get Documents
7	Standard Shipping Label - International	M	Get Documents
8	Custom Shipping Label	SR	n/a
9	Shipping Manifest	M	Get Documents - GetShipmentManifest Document
10	Customs Invoice (US/INTL Commercial Invoice) ⁴	M for Cross Border	Get Documents
11	NAFTA Certificate of Origin ⁵	M for Cross Border	Get Documents
12	FCC 740 Form: Federal Communications Commission ⁵	M for Cross Border	Get Documents
13	FDA 2877 Form: Department of Health and Human Services ⁵	M for Cross Border	Get Documents
14	Dangerous Goods Declaration Form for Ground Shipments	M for DG	Get Documents

4. System Functionality

FUNCT	System Functionality	Mandatory (M) or Optional (O)	Link to Web Services Endpoint/Method
1	Generic code for authentication of user, password and account (merchant)	M	n/a
2	Point of origin: one or multiple	M	n/a

Notes:

¹ Transit Time is the exact number of transit days between a Canadian origin and any destination point. Transit days represent operational days in which the Purolator network is capable of processing shipments.

² Expected Delivery Dates represent the date on which a shipment will be delivered to the destination address. The Shipping System will factor in holidays, weekends, service restrictions, options such as Saturday service and any other items in determining the Expected Delivery Date. Transit Time calculation is required if this option is selected.

³ Conditional: if option is selected, then label is required

⁴ If Cross Border (US and/or International) shipping is selected, then the shipping system must be able to produce additional forms which are required for Customs purposes.

⁵ The Customs forms must be supported by the customers Shipping Processes, if not supported by the shipping application

3.19 Error Messages / codes: a list of all the error codes and descriptions

Below is a list of all the error codes and descriptions

Web Service Error

Code	Message
9001	Authorization failed -- Service Operation is inactive.
9000-1	Authorization failed -- Daily Threshold limit reached.
9000-2	Authorization failed -- Hourly Threshold limit reached.
9000-3	Authorization failed -- Minute Threshold limit reached.
1100000	One or more errors have occurred.
1100100	Field is missing.
1100101	The Account Number is a mandatory field.
1100102	The Account Name is a mandatory field.
1100103	The Account Number is a mandatory field.
1100104	The City Name is a mandatory field.
1100105	The Close Time is a mandatory field.
1100106	The Contact Name is a mandatory field.
1100107	The Country is a mandatory field.
1100108	The Email Address is a mandatory field.
1100109	The Fax Number is a mandatory field.
1100110	The Package Type is a mandatory field.
1100111	The Telephone Extension is a mandatory field.
1100112	The Telephone Number is a mandatory field.
1100113	The Pickup Location is a mandatory field.
1100114	The Pickup Method is a mandatory field.

Code	Message
1100115	The Postal Code is a mandatory field.
1100116	The Province is a mandatory field.
1100117	The Ready Time is a mandatory field.
1100119	The Service Mode is a mandatory field.
1100120	The Share ID is a mandatory field.
1100121	The Share Type is a mandatory field.
1100122	The Site ID is a mandatory field.
1100123	The State is a mandatory field.
1100124	The Street Direction is a mandatory field.
1100125	The Street Number is a mandatory field.
1100126	The Street Type is a mandatory field.
1100127	The Unit Number is a mandatory field.
1100128	The User Type is a mandatory field.
1100129	The Dangerous Goods is a mandatory field.
1100130	The Receiver Name is a mandatory field.
1100131	The Receiver Address is a mandatory field.
1100132	The Receiver City is a mandatory field.
1100133	The Receiver Country is a mandatory field.
1100134	The International Documents Only is a mandatory field.
1100135	The Buyer Name is a mandatory field.
1100136	The Buyer Street Address is a mandatory field.

Code	Message
1100137	The Buyer City is a mandatory field.
1100138	The Buyer Country Code is a mandatory field.
1100139	The Unit of Measurement is a mandatory field.
1100140	The Bill To is a mandatory field.
1100141	The International Bill Duty To is a mandatory field when creating non-document shipments.
1100142	The Credit Card Type is a mandatory field.
1100143	The Credit Card Number is a mandatory field.
1100144	The Credit Card Bill To is a mandatory field.
1100145	The Credit Card Expiry Year is a mandatory field.
1100146	The Credit Card Expiry Month is a mandatory field.
1100147	The Zip Code is a mandatory field.
1100148	The Phone Area Code is a mandatory field.
1100149	The Origin Address ID is a mandatory field.
1100150	The Address Book Name is a mandatory field.
1100200	Field is invalid.
1100201	Account Number is invalid.
1100202	City is invalid.
1100203	Close time is invalid.
1100204	Country is invalid.
1100205	Email is invalid.
1100206	Fax Number is invalid.

Code	Message
1100207	Package is invalid.
1100208	Phone Country Code is invalid.
1100209	Phone Extension is invalid.
1100210	Phone Number is invalid.
1100211	Pickup Location is invalid.
1100212	Pickup Method is invalid.
1100213	Postal Code is invalid.
1100CC	Province is invalid.
1100215	Ready Time is invalid.
1100216	Service Mode is invalid.
1100217	State is invalid.
1100218	Street Direction is invalid.
1100219	Street Number is invalid.
1100220	Street Type is invalid.
1100221	Unit Number is invalid.
1100222	User Type is invalid.
1100223	Origin Address ID is invalid.
1100224	Special Instructions is invalid.
1100225	Dangerous Goods is invalid.
1100226	Country Code is invalid.
1100227	Premium Service Code is invalid.

Code	Message
1100228	Declared Value is invalid.
1100229	Unit of Measurement is invalid.
1100230	Description of Goods is invalid.
1100231	Sender Name is invalid.
1100232	Sender Company is invalid.
1100233	Sender Department is invalid.
1100234	Tax Number is invalid.
1100235	Sender Memo is invalid.
1100236	Receiver Name is invalid.
1100237	Receiver Company is invalid.
1100238	Receiver Address1 is invalid.
1100239	Receiver Address2 is invalid.
1100240	Receiver Suite is invalid.
1100241	Zip Code is invalid.
1100242	Receiver City is invalid.
1100243	Receiver Country is invalid.
1100244	International Phone Number is invalid.
1100245	Telephone Number Extension is invalid.
1100246	Buyer Name is invalid.
1100247	Buyer Company is invalid.
1100248	Buyer Address1 is invalid.

Code	Message
1100249	Buyer Address2 is invalid.
1100250	Buyer Company is invalid.
1100251	Buyer City is invalid.
1100252	Buyer Country is invalid.
1100253	International Bill Duty To is invalid.
1100254	International Documents Only is invalid.
1100255	International Business Relationship is invalid.
1100256	International Valuation Currency is invalid.
1100257	International Product Code is invalid.
1100257	Import/Export Type is invalid.
1100258	International Source IATA Code is invalid.
1100259	International Destination IATA Code is invalid.
1100260	Number of FAA Reports is invalid.
1100261	Number of FCC Reports is invalid.
1100262	Number of NAFTA Reports is invalid.
1100263	Number of Textile Reports is invalid.
1100264	Number of Proforma Reports is invalid.
1100265	Number of Dangerous Goods Reports is invalid.
1100266	Piece Weight is invalid.
1100268	Receiver Department is invalid.
1100269	Receiver Address3 is invalid.

Code	Message
1100270	Receiver Street Number is invalid.
1100271	Receiver Floor Number is invalid.
1100272	Reference Number is invalid.
1100273	Notification Indicator is invalid.
1100274	Tracking Indicator is invalid.
1100275	Product Number is invalid.
1100276	Credit Card Type is invalid.
1100277	Credit Card Number is invalid.
1100278	Credit Card Name is invalid.
1100279	Credit Card Expiry Year is invalid.
1100280	Credit Card Expiry Month is invalid.
1100281	Batch Name is a required field.
1100282	Buyer Address3 is invalid.
1100283	Buyer Floor Number is invalid.
1100284	Buyer Street Number is invalid.
1100285	Number of Shipments is Invalid.
1100400	Account object not initialized.
1100401	Account number is invalid.
1100402	Values for length, width and height for a piece should all be entered or should all be null.
1100403	Billing to Receiver is not available for US and International shipments.
1100404	Shipping by ground to US with billing to receiver is not allowed

Code	Message
1100405	Your primary account cannot be deleted.
1100406	Dangerous Goods is not available for the destination, service and/or package type selected.
1100407	Either both service point hierarchies are provided or none.
1100408	When Billing Duty To Buyer, either Buyer Company or Buyer Name must be supplied.
1100409	International Detail line %detailNo% at Element %element% has an invalid Value %value%.
1100410	The US/International Details List cannot be blank when creating non-document shipments.
1100411	Account Status is invalid.
1100412	Invalid first PIN when generating a list of PINs.
1100413	Overall shipment weight must be between 0 and %maxShipmentWeight%.
1100414	Total number of pieces must be between 1 and %maxPiecesAllowed%.
1100415	Invalid number of PINs to be generated.
1100416	Overall dimensions must be greater than 0 and less than or equal to %maxDimension%.
1100417	Piece %pieceNo% and Dimension %dimension% have an invalid Value %value%.
1100418	Piece Weight for Piece %pieceNo% must be greater than 0 and less than or equal to %weight%.
1100419	Postal Code is invalid.
1100420	You can only cancel shipments created today.
1100421	Legacy OLS did not respond.
1100422	OriginAddress ID %value% not found.
1100423	Piece List is empty.
1100424	PIN %pin% is invalid.
1100425	The length of the piece has exceeded the maximum length allowed.

Code	Message
1100426	Country Code is invalid.
1100427	City is invalid.
1100428	PIN Number is mandatory.
1100429	You can only cancel shipments created today.
1100430	Cannot void this pickup. Shipment has already been picked up.
1100431	The Shipment has already been cancelled.
1100432	Failed to void the shipment.
1100433	Account is invalid.
1100434	Pickup already exists.
1100435	Shipment Documents must be printed before a Pickup can be scheduled.
1100436	Shipments to be included in a Pickup must originate from the same location.
1100437	Ready Time is too late.
1100438	City not found.
1100439	Service Point is invalid.
1100440	Invalid Void Pickup request.
1100441	The Account Number does not exist.
1100442	Product is restricted.
1100443	Payment Type is invalid.
1100454	Premium Services are only valid for Domestic shipments.
1100455	The specified Postal Code is valid for the City, Province: %city%, %province%.
1100456	Fail to get a PIN.

Code	Message
1100457	The Activity Status failed to update.
1100457	Queue waybill request failed for shipid: %shipid%
1100458	A Preferred Broker is not permitted for Puroletter shipments to the US.
1100459	Routing code lookup failed, errorCode = %errorCode%, errorMessage = %errorMessage%.
1100460	Invalid Address.
1100461	Share Type %ShareType% is not valid.
1100462	Grantor is not the owner.
1100463	Shipment not found.
1100464	Unable to find original Ship From Address.
1100465	Unable to retrieve Account information for Account %accountNo%.
1100466	Weekend Service is not available.
1100467	The maximum weight per piece for this Product/Postal Code combination is %limit% %units%.
1100468	Failed to find City Name.
1100468	Credit card authorization denied
1100469	Credit card expiry date is invalid
1100469	Failed to retrieve sender account list for site: %siteId%
1100470	Failed to retrieve primary account status.
1100471	Failed to retrieve preferences for site: %siteId%
1100472	Failed to retrieve profile for site: %siteId%
1100473	Failed to retrieve 3rd party accounts for site: %siteId%
1100474	Failed to retrieve list of current pickups for site: %siteId%

Code	Message
1100475	Failed to retrieve shipment for shipId: %shipId%
1100476	Failed to retrieve origin address for shipId: %shipId%
1100477	Failed to retrieve legacy error for error code: %errorCode%
1100478	Error in sending confirmation Email to %senderName% with the Email address: %emailAddress%.
1100479	Error in sending advanced shipment notification.
1100480	Error in sending void confirmation Email to %senderName% with the Email address: %emailAddress%.
1100481	Error in sending advanced shipment notification.
1100482	Estimates are not available when Billing to Receiver.
1100484	The account you are trying to add already exists.
1100485	NAFTA report request failed for shipid: %shipid%
1100486	FCC report request failed for shipid: %shipid%
1100487	Customs Invoice report request failed for shipid: %shipid%
1100488	Dangerous goods report request failed for shipid: %shipid%
1100489	Textile declaration report request failed for shipid: %shipid%
1100490	The group did not have any addresses in it. Please use a group that is not empty.
1100491	Product is invalid.
1100492	Error in sending third party notification to %senderName% AccountId = %accountId%
1100493	Legacy system error: %error%
1100494	A Preferred Broker is only permitted for Extended Customer Packaging service.
1100495	The maximum number of shipments in a batch has been exceeded. You must delete a shipment from your batch before adding a new shipment.
1100496	The Batch Name must be unique. Try another Batch Name.

Code	Message
1100497	An error occurred with your request. Please try again later.
1100498	Please call 1-888-SHIP-123 or 1-888-744-7123 to arrange a pickup.
1100499	Please call 1-888-SHIP-123 or 1-888-744-7123 for information on this shipment.
1100500	Your request failed. Please call 1-888-SHIP-123 or 1-888-744-7123 for assistance.
1100501	Your Shipment was successful, but your Pickup could not be created.
1100502	Unable to retrieve status information for this batch.
1100503	This Address Group already exists in your Address Book. Please enter a different name.
1100504	Invalid payment type %paytype% (batchid = %batchid%, itemid = %itemid%)
1100505	Undefined Account Type for Account %account%.
1100506	%characteristicName% must be numeric.
1100507	%characteristicName% must be one of %validTypes%
1100508	%characteristicName%%characteristicValue% is not valid with %characteristicName2%%characteristicValue2%
1100509	The maximum piece length for this shipment is %limit% %units%
1100510	%characteristicName%%characteristicValue% is not valid for this shipment.
1100511	%characteristicName% must be specified for this shipment
1100512	The overall dimensions of a piece: length + (2 x width) + (2 x height), may not exceed %limit% %units%.
1100513	The total weight of the shipment may not exceed %limit% %units%
1100514	The weight of an individual piece cannot exceed %limit% %units%
1100515	The declared value may not exceed \$%limit%
1100516	The total number of pieces may not exceed %limit%.
1100517	At least one of the following options must be specified when %characteristicName%%characteristicValue% is selected: %characteristicNames%

Code	Message
1100518	Shipment must be at least %limit% %units%
1100519	The total declared value %decval% exceeded the maximum allowed %maxdecval%.
1100520	When shipping dangerous goods to the United States, the Dangerous Goods Mode must be Air.
1100521	%characteristicName% must be %characteristicValue% for this shipment.
1100522	PIN list is empty when attempting to print report!
1100523	Report requester's email and shipment sender's email mismatch
1100524	PIN %pin% has already been voided, no report will be generated
1100525	Shipment PIN %pin% belongs to another user, report on this shipment is not allowed
1100526	Number of shipids and PINs mismatch, no report will be generated
1100527	Number of addresses in group exceeded maximum allowed (%maxAddresses%)
1100528	%pinType% is not a valid PIN type
1100529	Routing information is not available for the destination
1100530	Archive file does not exist
1100531	Invalid dangerous goods selection.
1100532	Invalid credit card number
1100533	In order to complete your Tracking Request, please re-submit your request at http://www.purolator.co m/track.html to proceed directly to Purolator's Tracking page.
1100534	Dangerous Goods to this destination will be carried en route by ferry and must be sent Fully Regulated.
1100535	Regrettably we are experiencing technical difficulties and unable to provide all the available statuses on your U.S. shipment. We hope to have the problem rectified ASAP.
1100536	Number of Shipments is Invalid.
1100537	An error occurred with your request. Please try again later. %ccd%

Code	Message
1100538	The product is not available for the specified origin and destination
1100539	Invalid ExpressCheque data. For ExpressCheque you must specify a valid ExpressCheque Payment Amount.
1100540	Outbound Returns/Returns Management Shipments must be billed To a Converted Account.
1100540	ExpressCheque shipments must be billed to a Converted Account.
1100541	Outbound Returns/Returns Management Shipments are only available for Canadian shipments.
1100542	Bill To Must Be Bill To Sender.
1100543	Queue ExpressCheque Return Waybill request failed for shipid: %shipid%
1100544	Queue ExpressCheque Receipt request failed for shipid: %shipid%
1100545	Queue Return Waybill request failed for shipid: %shipid%
1100546	Shipments containing Chain of Signature must be Outbound, Domestic and prepaid.
1100547	Shipment must have at least %limit% piece(s).
1100548	The weight of an individual piece must be at least %limit% %units%.
1100549	Receipt report request failed for shipid: %shipid%
1100550	FDA report request failed for shipid: %shipid%
1100551	Shipment must be paid by credit card
1100552	All Shipments must originate in Canada.
1100553	International Business Relationship is a mandatory field when creating non-document shipments.
1100554	International Valuation Currency is a mandatory field when creating non-document shipments.
1100555	The International Import/Export Type is a mandatory field when creating non-document shipments.
1100555	International Detail line %detailNo% at Element %element% is a required field.
1100556	Billing to Legacy Account numbers is not allowed.

Code	Message
1100557	International Shipments are not allowed.
1100558	Shipments with DangerousGoods selected are not allowed.
1100559	Shipments with Chain Of Signature selected are not allowed.
1100560	Shipments with ExpressCheque selected are not allowed.
1100561	Shipments with Return Shipment selected are not allowed.
1100562	Billing shipments to Unsecured Third Party are not allowed.
1100563	Billing Shipments to Credit Card is not allowed.
1100564	Billing Shipments to Secured Third Party is not allowed.
1100565	Billing Shipments to Receiver is not allowed.
1100566	Shipments with pickup set to Drop-off are not allowed.
1100567	Shipments with pickup set to Prescheduled are not allowed.
1100568	Shipments with pickup set to Schedule are not allowed.
1100569	Shipments with the pickup set to Add To Existing Pickup are not allowed.
1100570	ExpressCheque option is only available for Canadian shipments.
1100571	Cost Centre has an invalid value.
1100572	Invalid value null%characteristicValue%null for %characteristicDescription%. The maximum length is %characteristicMaxLength% characters.
1100573	Invalid number of decimal places found in null%characteristicValue%null for %characteristicDescription%. The maximum is %characteristicMaxDecimals% decimal places.
1100574	Outbound Returns/Returns Management Shipments cannot be billed to a Credit card.
1100575	Invalid Dangerous Goods option data. You must include Dangerous Goods Mode and the Dangerous Goods Classification.
1100576	Street Name is a mandatory field.

Code	Message
1100577	Street Name is invalid.
1100578	Suffix is a mandatory field.
1100579	Suffix is invalid.
1100580	Floor No is a mandatory field.
1100581	Floor No is invalid.
1100582	Suite is a mandatory field.
1100583	Suite is invalid.
1100584	Address Line 2 is a mandatory field.
1100585	Address Line 2 is invalid.
1100586	Address Line 3 is a mandatory field.
1100587	Address Line 3 is invalid.
1100588	Length Dimension cannot be specified for this Product.
1100589	Width Dimension cannot be specified for this Product.
1100590	Height Dimension cannot be specified for this Product.
1100591	Weight Dimension cannot be specified for this Product.
1100592	Receiver Province is invalid.
1100593	Receiver Province is a mandatory field.
1100594	Receiver Postal Code is invalid.
1100595	Receiver Postal Code is a mandatory field.
1100596	Receiver Phone Country Code is invalid.
1100597	Receiver Phone Country Code is a mandatory field.

Code	Message
1100598	Receiver Phone Area Code is invalid.
1100599	Receiver Phone Area Code is a mandatory field.
1100600	Receiver Phone Number is invalid.
1100601	Receiver Phone Number is a mandatory field.
1100602	Receiver Extension is invalid.
1100603	Receiver Extension is a mandatory field.
1100604	Receiver State is invalid.
1100605	Receiver State is a mandatory field.
1100606	Receiver Zip Code is invalid.
1100607	Receiver Zip Code is a mandatory field.
1100608	Receiver Street Suffix is invalid.
1100609	Receiver Street Suffix is a mandatory field.
1100610	Receiver Street Direction is invalid.
1100611	Receiver Street Direction is a mandatory field.
1100612	Receiver Street Type is invalid.
1100613	Receiver Street Type is a mandatory field.
1100614	Receiver Email is invalid.
1100615	Receiver Email is a mandatory field.
1100616	Receiver Fax Country Code is invalid.
1100617	Receiver Fax Country Code is a mandatory field.
1100618	Receiver Fax Area Code is invalid.

Code	Message
1100619	Receiver Fax Area Code is a mandatory field.
1100620	Receiver Fax Number is invalid.
1100621	Receiver Fax Number is a mandatory field.
1100622	Total Weight is invalid.
1100623	Total Weight is a mandatory field.
1100624	PIN is invalid.
1100625	PIN is a mandatory field.
1100626	Estimates are not available when Billing to Unsecured Third Party.
1100627	Estimates are not available when Billing to Secured Third Party.
1100628	Invalid declared value. The maximum declared value for this product is %maxDeclaredValue%.
1100629	The Phone Country Code is a mandatory field.
1100630	Account is not valid for 7X24 Estimate.
1100631	No Delivery is available at Destination Point.
1100632	No Pickup is available at Origin Point.
1100633	Membership Creation Failure.
1100634	Notification Message is a mandatory field.
1100635	Notification Message has an invalid value.
1100636	Saturday Delivery is not available. Only available Fridays on Domestic Outbound Shipments.
1100637	Saturday Pickup is not available. Only available Saturdays on Domestic/US Outbound Shipments.
1100638	Returns Management Shipments not allowed for this user.
1100639	Returns Management Shipments cannot contain related Shipments like ExpressCheque/Outbound Returns.

Code	Message
1100640	Returns Management Shipments cannot be associated with an Outbound Shipment.
1100641	Invalid Shipment Type.
1100642	%characteristicName%%characteristicValue% option is not available for shipment piece %pieceNumber%.
1100643	RMA Number is a mandatory field.
1100644	RMA Number is invalid.
1100645	Special Handling is not available for the destination, service and/or package type selected.
1100646	Originator Signature is not available for the destination, service and/or package type selected.
1100647	Product you have selected is not available for this type of Shipment.
1100648	Dangerous Goods Declaration Report can only be selected for Domestic Ground Shipments.
1100649	Dangerous Goods must also be selected to generate the Dangerous Good Declaration Report.
1100650	Buyer Telephone Ext is a mandatory field.
1100651	Buyer Telephone Ext is invalid.
1100652	Buyer Postal Code is a mandatory field.
1100653	Buyer Postal Code is invalid.
1100654	Buyer Zip Code is a mandatory field.
1100655	Buyer Zip Code is invalid.
1100656	Buyer Province Code is a mandatory field.
1100657	Buyer Province Code is invalid.
1100658	Buyer Department is a mandatory field.
1100659	Buyer Department is invalid.
1100660	Buyer Street Type is a mandatory field.

Code	Message
1100661	Buyer Street Type is invalid.
1100662	Buyer Street Suffix is a mandatory field.
1100663	Buyer Street Suffix is invalid.
1100664	Buyer Street Direction is a mandatory field.
1100665	Buyer Street Direction is invalid.
1100666	Buyer Phone Country Code is a mandatory field.
1100667	Buyer Phone Country Code is invalid.
1100668	Buyer Telephone Area Code is a mandatory field.
1100669	Buyer Telephone Area Code is invalid.
1100670	Buyer Phone Number is a mandatory field.
1100671	Buyer Phone Number is invalid.
1100672	Buyer Phone Area Code is a mandatory field.
1100673	Buyer Phone Area Code is invalid.
1100674	Postal Code %postalCode% is only valid for %city%, %province%.
1100675	Zip Code %zipCode% is only valid for %city%, %state%.
1100676	Invalid Printer Type.
1100677	Phone Area Code is invalid.
1100678	Dangerous Goods is not available when shipping Documents Only.
1100679	Number of FDA Reports is a mandatory field.
1100680	Number of FDA Reports is invalid.
1100681	Number of NAFTA Reports is a mandatory field.

Code	Message
1100682	Number of FCC Reports is a mandatory field.
1100683	International Information cannot be specified for Domestic Shipments.
1100684	NAFTA Reports can only be generated when shipping to NAFTA Countries (Mexico & USA).
1100685	FCC Reports can only be generated when shipping to the United States.
1100686	FDA Reports can only be generated when shipping to the United States.
1100687	Chain OF Signature requires Thermal Printer to be selected.
1100688	The maximum of %maxAddressCount% addresses for validation was reached.
1100689	Sender Name is a mandatory field.
1100753	Textile is a mandatory field.
1100754	Textile value is invalid.
1100755	Textile Manufacturer is a mandatory field when Textile is selected.
1100756	Textile Manufacturer ID is invalid.
1100757	Manufacturer can only be specified for USA Shipments and Textile is selected.
1100758	Textile can only be selected when shipping to USA.
1100759	Invalid Shipment Date: Date must be between %FromDate% and %ToDate%.
1100760	Invalid Estimate Date: Date must be between %FromDate% and %ToDate%.
1100761	Future Dating is not allowed.
1100762	Future Dated Shipments paid by Credit Card is not available.
1100763	Future Dated Shipments paid by Legacy Account is not available.
1100764	Future Dating Return Management Shipments is not available.
1100765	Saturday Pickup option must be selected for this Product with a Saturday Pickup.

Code	Message
1100766	Pickup Date must be the same date as the Shipment Date.
1100767	Prearranged Pickups are not available on Sundays.
1100768	Scheduled Pickups are not available on Sundays.
1100769	Shipments with a Shipment Date set prior to today, cannot be cancelled.
1100770	Bill To Receiver not allowed for Returns Management Shipments.
1100771	Bill To Credit Card not allowed for Returns Management Shipments.
1100772	Returns Management and Outbound Return Shipments cannot be cancelled.
1100773	Dangerous Goods is not allowed with Saturday Pickups.
100693	Residential Signature or Originator Signature Not Required must be selected
100774	Outbound Shipments cannot be associated with another Outbound Shipment.
3001092	Invalid BillDutiesToParty Code: {0}. Valid values are: {1}.
3001093	Invalid BusinessRelationship Code: {0}. Valid values are: {1}.
3001094	Invalid DutyCurrency Code: {0}. Valid values are: {1}.
3001095	Invalid ImportExportType Code: {0}. Valid values are: {1}.
3001096	Invalid PaymentType Code: {0}. Valid values are: {1}.
3001097	Invalid PickupType Code: {0}. Valid values are: {1}.
3001098	Invalid SurchargeType Code: {0}. Valid values are: {1}.
3001099	Invalid PackageType Code: {0}. Valid values are: {1}.
3001100	Invalid TaxType Code: {0}. Valid values are: {1}.
3001101	Invalid DataType Code: {0}. Valid values are: {1}.
3001102	Invalid ScanType Code: {0}. Valid values are: {1}.

Code	Message
3001103	Invalid SignatureImageFormat Code: {0}. Valid values are: {1}.
3001104	Invalid ILLanguage Code: {0}. Valid values are: {1}.
3001105	Invalid ESOLanguage Code: {0}. Valid values are: {1}.
3001106	Invalid ESOYesNo Code: {0}. Valid values are: {1}.
3001107	Invalid Option Code: {0}. Valid values are: {1}.
3001108	Invalid Product Code: {0}. Valid values are: {1}.
3001109	Invalid StreetType Code: {0}. Valid values are: {1}.
3001110	Invalid StreetDir Code: {0}. Valid values are: {1}.
3001111	Invalid StreetSuffix Code: {0}. Valid values are: {1}.
3001112	Invalid Country Code: {0}. Valid values are: {1}.
3001113	Invalid Province/State Code: {0}. Valid values are: {1}.
3001114	Translation Failed.
3001115	Service Call Failed.
3001116	Service Failed
3001117	A Web Service Error has occured.
3001122	Invalid ChainOfSignature Code: {0}. Valid values are: {1}.
3001123	Invalid DangerousGoods Code: {0}. Valid values are: {1}.
3001124	Invalid DangerousGoodsClassification Code: {0}. Valid values are: {1}.
3001125	Invalid DangerousGoodsMode Code: {0}. Valid values are: {1}.
3001126	Invalid ExpressCheque Code: {0}. Valid values are: {1}.
3001127	Invalid ExpressChequeMethodOfPayment Code: {0}. Valid values are: {1}.

Code	Message
3001128	Invalid HoldForPickup Code: {0}. Valid values are: {1}.
3001129	Invalid SaturdayDelivery Code: {0}. Valid values are: {1}.
3001130	Invalid SaturdayPickup Code: {0}. Valid values are: {1}.
3001131	Invalid SpecialHanding Code: {0}. Valid values are: {1}.
3001132	Invalid TypesOfSpecialHandling Code: {0}. Valid values are: {1}.
3001133	Invalid DocumentType Code: {0}. Valid values are: {1}.
3001134	Invalid ExpressChequeAmount Code: {0}. Valid values are: {1}.
3001136	Service version is invalid
3001137	Invalid Declared Value Code: {0}. Valid values are: {1}.
3001138	Invalid OSNR Value Code: {0}. Valid values are: {1}.
3001139	Invalid registered shipping account specified in shipment
3001140	Invalid registered shipping account specified in return shipment
3001141	Postal / Zip code {0} code is not valid for Canada or U.S.
3001142	Country is not found
3001143	Suggested address is supplied
3001145	Invalid Piece Option Code: {0}. Valid values are: {1}.
3001146	Invalid Printer Type Option Code: {0}. Valid values are: {1}.
3001147	Invalid Address.
3001148	Postal / Zip Code is required to validate a Canadian / U.S. Address.
3001153	Service Error
3002014	Address is required

Code	Message
3002015	Latitude is required
3002016	Longitude is required
3002017	City is required
3002018	Country Code is required
3002019	Province Code is required
3002021	Point of Interest is required
3002022	Postal Code is required
3002032	Invalid Location Type Code: {0}. Valid values are: {1}.
3002033	Invalid DaysOfWeekType Code: {0}. Valid values are: {1}.
3002034	Locator Error
3002035	A Locator Error has occurred
3002036	Not found
1250832	Billing Postal Code is invalid

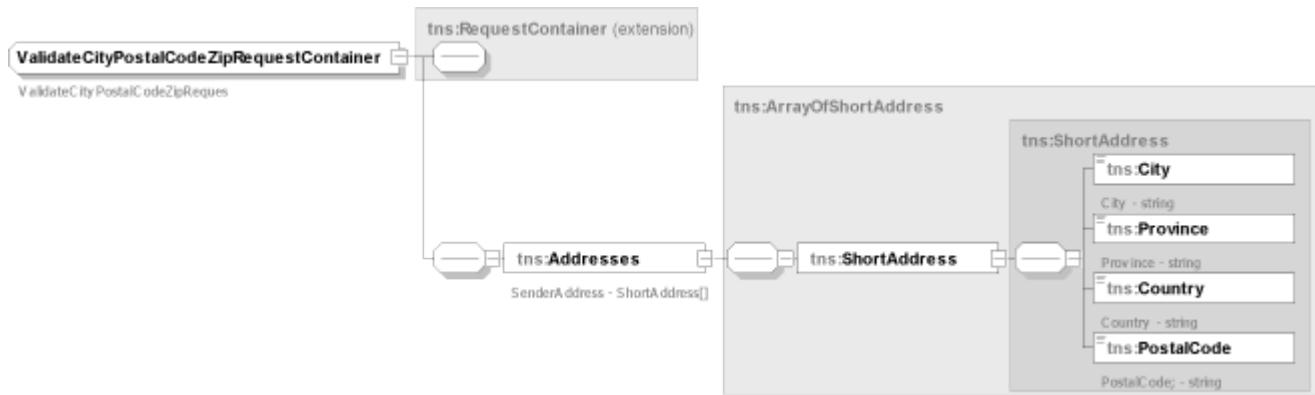
3.20 Service Availability Web Services

3.20.1 Service Methods and Objects: request/response XML schema

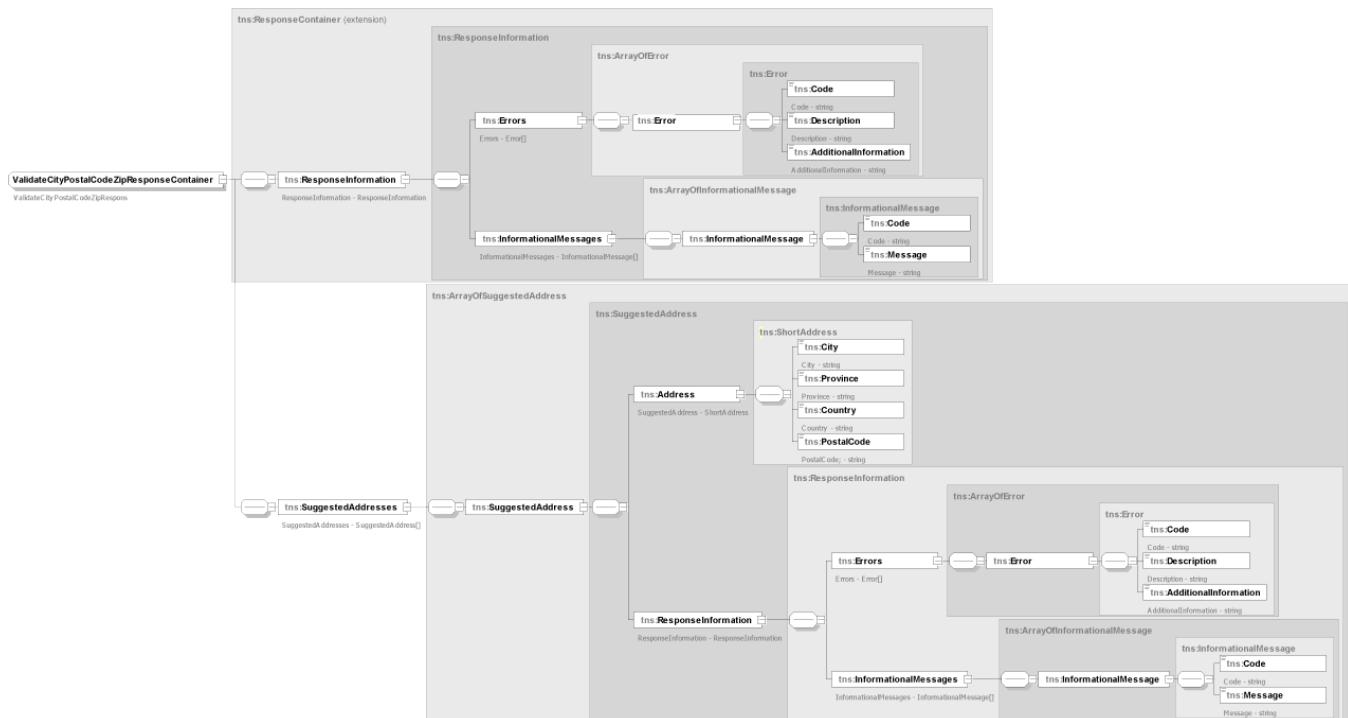
The following section will highlight the various methods associated with the Service Availability Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.20.1.1 Request Diagrams – ValidityCityPostalCodeZip

The ValidateCityPostalCodeZip Method validates that the city/province (state)/postal (zip) code entered is correct. Should the combination be incorrect, the response message will return suggested values, based on the information entered.

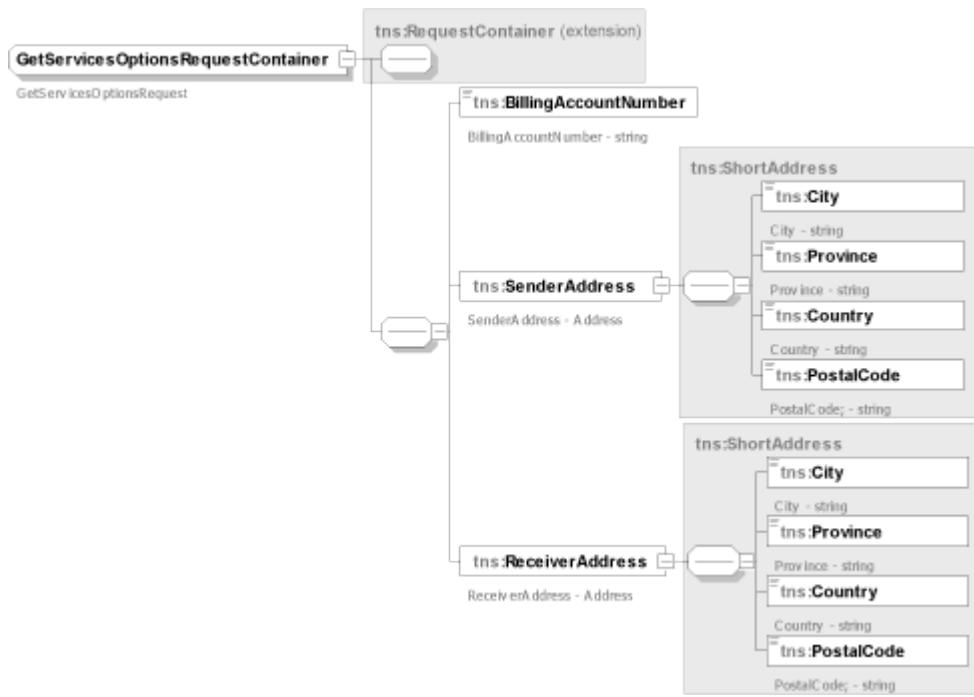


3.20.1.2 Response Diagrams – ValidityCityPostalCodeZip

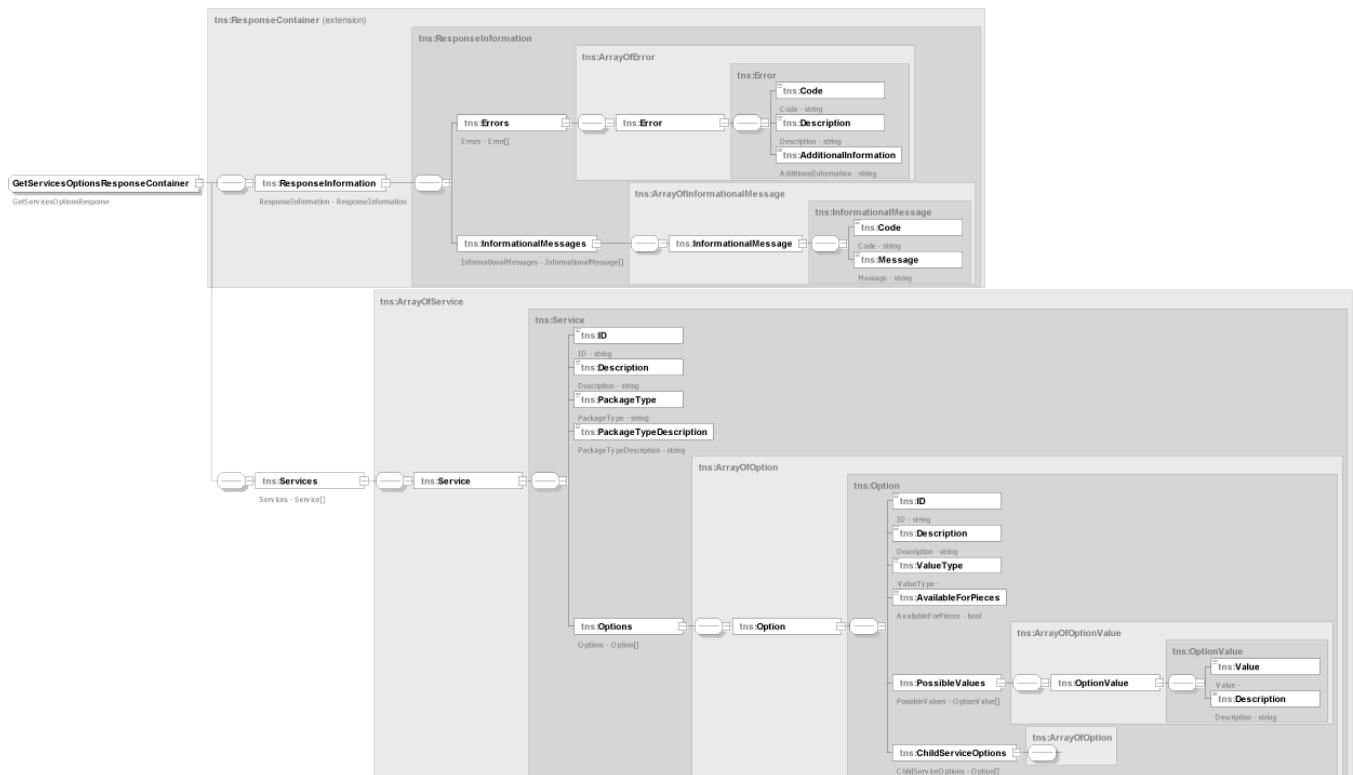


3.20.1.3 Request Diagrams – GetServicesOptions

The [GetServiceOptions](#) Method returns all available Purolator services for the specified origin and destination addresses.

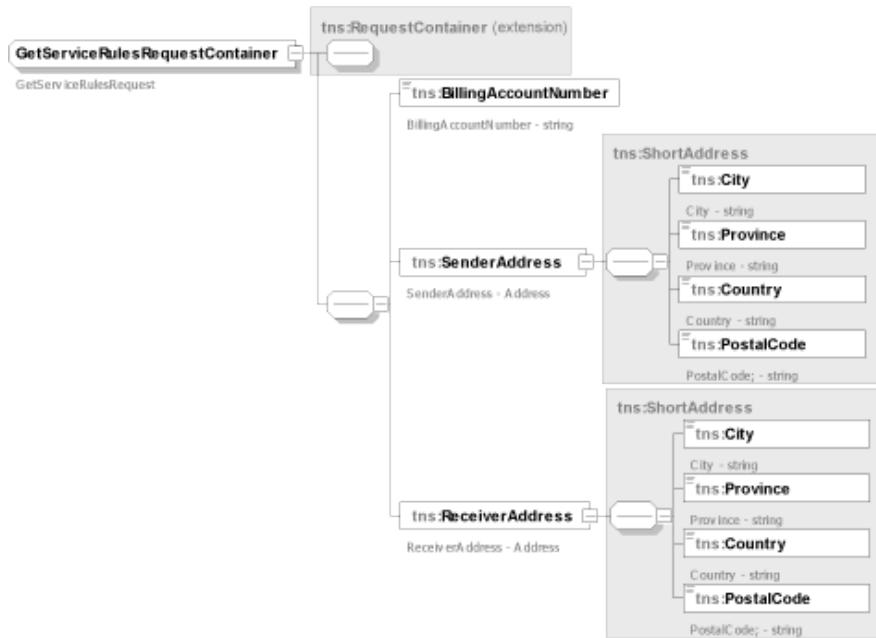


3.20.1.4 Response Diagrams – GetServicesOptions

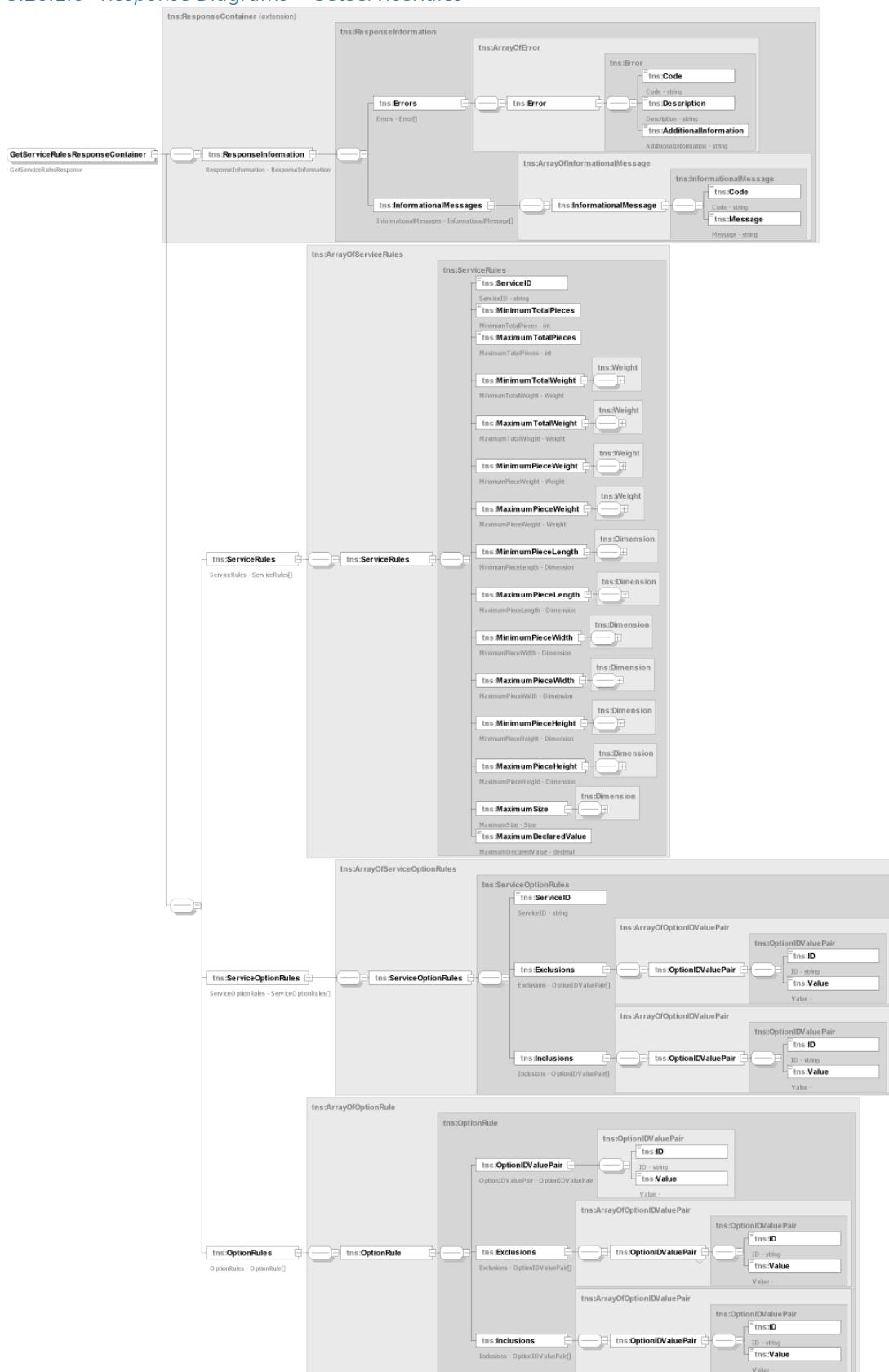


3.20.1.5 Request Diagrams – GetServiceRules

The [GetServiceRules](#) Method returns all available Purolator products and options, as well as all the rules associated with the products and options. This includes all product min/max weights and dimensions, min/max pieces, product inclusions and exclusions, as well as option inclusions and exclusions.



3.20.1.6 Response Diagrams – GetServiceRules



3.20.2 Complete Field List

Elements

[ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [ArrayOfOption](#) | [ArrayOfOptionIDValuePair](#) | [ArrayOfOptionRule](#) | [ArrayOfOptionValue](#) | [ArrayOfService](#) | [ArrayOfServiceOptionRules](#) | [ArrayOfServiceRules](#) | [ArrayOfShortAddress](#) | [ArrayOfSuggestedAddress](#) | [Dimension](#) | [Error](#) | [GetServiceRulesRequestContainer](#) | [GetServiceRulesResponseContainer](#) | [GetServicesOptionsRequestContainer](#) | [GetServicesOptionsResponseContainer](#) | [InformationalMessage](#) | [Language](#) | [Option](#) | [OptionIDValuePair](#) | [OptionRule](#) | [OptionValue](#) | [PackageType](#) | [RequestContext](#) | [ResponseContext](#) | [ResponseInformation](#) | [Service](#) | [ServiceOptionRules](#) | [ServiceRules](#) | [ShortAddress](#) | [SuggestedAddress](#) | [ValidateCityPostalCodeZipRequestContainer](#) | [ValidateCityPostalCodeZipResponseContainer](#) | [ValueType](#) | [Weight](#)

Input

Field Name	Description	Allowed Value
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	1.0, 1.1, 1.2 or 1.3(Currently) Enumeration. en fr
Language	Used to define the Language of the Response text.	
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType GetServiceRulesRequestContainer	Used by: GetServiceRulesRequest	
BillingAccountNumber	Required. Registered billing account number	String
SenderAddress		Complex Type ShortAddress
ReceiverAddress		Complex Type ShortAddress
ComplexType GetServiceOptionsContainer	Used by: GetServiceRulesRequest	
BillingAccountNumber	Required. Registered billing account number	String
SenderAddress		Complex Type ShortAddress
ReceiverAddress		Complex Type ShortAddress
Shipment Date	Date of Shipment	Up to 10 days in advance. Date format: YYYY-MM-DD
ComplexType ValidateCityPostalCodeZipRequestContainer	Used by: ValidateCityPostalCodeZipRequest	
ArrayOfShortAddress		Complex Type ArrayOfShortAddress
ComplexType ArrayOfShortAddress	Used by: ValidateCityPostalCodeZipRequest	
Addresses		Complex Type Addresses

Input

Field Name	Description	Allowed Value
ComplexType Addresses	Used by: ValidateCityPostalCodeZipRequest	
ShortAddress		Complex Type ShortAddress
ComplexType ShortAddress	Used by: GetServiceRulesRequestContainer/ReceiverAddress GetServicesOptionsRequestContainer/SenderAddress	
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required. Province/State	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List
PostalCode		

Output

Field Name	Description	Output Values
Element ResponseInformation	Used by: ResponseInformation	
ResponseReference		
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages		Complex Type ArrayOfInformationalMessages
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	
Description	Error Description	
AdditionalInformation	Additional error information	
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
InformationalMessage	An array of Informational Messages as part of a response to a service request.	Array of Strings
ComplexType ArrayOfOption	Used by: Option/ChildServiceOptions, Service/Options	

Output

Field Name	Description	Output Values
Option	The ArrayOfOptionIDValuePair field is used by both the shipment element, and the piece element. This array is used to input a single or multiple characteristics to the piece and/or shipment level.	Complex Type Option
ComplexType Option	Used by: ArrayOfPiece/Piece, Piece	
ID		
Description		
ValueType		Enumeration: String Decimal DateTime Enumeration Boolean
AvailableForPieces		
PossibleValues		Complex Type ArrayOfOptionValue
ChildServiceOptions		Complex Type ArrayOfOption
ComplexType ArrayOfOptionValue	Used by: Option/PossibleValues	
OptionValue		Complex Type OptionValue
ComplexType OptionValue	Used by: Option/PossibleValues	
Value		
Description		
ComplexType ArrayOfOptionIDValuePair	Used by: Piece/Options, OptionsInformation/Options	
OptionIDValuePair		Complex Type OptionIDValuePair
ComplexType OptionIDValuePair	Used by: ArrayOfOptionIDValuePair/OptionIDValuePair, OptionRule/OptionIDValuePair	
ID		
Value		
ComplexType ArrayOfOptionRule	Used by: GetServiceRulesResponseContainer/OptionRules	
OptionRule	Array or option rules for a specified product/service.	Complex Type OptionRule
ComplexType OptionRule	Used by: GetServiceRulesResponseContainer/OptionRules	
OptionIDValuePair		Complex Type OptionIDValuePair
Exclusions		Complex Type OptionIDValuePair
Inclusions		Complex Type OptionIDValuePair
ComplexType ArrayOfService	Used by: GetServicesOptionsResponseContainer/Services	
Service	Array used to return all Purolator services available for the specified origin and destination addresses	Complex Type Service

Output

Field Name	Description	Output Values
ComplexType Service	Used by: GetServicesOptionsResponseContainer/Services	
ID	Nillable	String
Description	Nillable	String Enumeration: ExpressEnvelope ExpressPack CustomerPackaging ExpressBox
PackageType		
PackageTypeDescription	Nillable	String
Options	Nillable	Complex Type ArrayOfOption
ComplexType ArrayOfServiceOptionRules	Used by: GetServiceRulesResponseContainer/ServiceOptionRules	
ServiceOptionRules	Nillable	Complex Type ServiceOptionRules
ComplexType ServiceOptionRules	Used by: GetServiceRulesResponseContainer/ServiceOptionRules	
ServiceID	Nillable	String
Exclusions		Complex Type OptionIDValuePair
Inclusions		Complex Type OptionIDValuePair
ComplexType ArrayOfServiceRules	Used by: GetServiceRulesResponseContainer/ServiceRules	
ServiceRules	Nillable	Complex Type ServiceRules
ComplexType ServiceRules	Used by: GetServiceRulesResponseContainer/ServiceRules	
ServiceID		String
MinimumTotalPieces		Int
MaximumTotalPieces		Int
MinimumTotalWeight		Complex Type Weight
MaximumTotalWeight		Complex Type Weight
MinimumPieceWeight		Complex Type Weight
MaximumPieceWeight		Complex Type Weight
MinimumPieceLength		Complex Type Dimension
MaximumPieceLength		Complex Type Dimension
MinimumPieceWidth		Complex Type Dimension
MaximumPieceWidth		Complex Type Dimension
MinimumPieceHeight		Complex Type Dimension
MaximumPieceHeight		Complex Type Dimension
MaximumSize		Complex Type Dimension
MaximumDeclaredValue		Decimal
ComplexType ArrayOfSuggestedAddress	Used by: ValidateCityPostalCodeZipResponseContainer/SuggestedAddresses	
SuggestedAddress		Complex Type SuggestedAddress
ComplexType SuggestedAddress	Used by: ValidateCityPostalCodeZipResponseContainer/SuggestedAddresses	
Address		Complex Type ShortAddress

Output

Field Name	Description	Output Values
ResponseInformation		Complex Type ResponseInformation
ComplexType ShortAddress	Used by: GetServiceRulesRequestContainer/ReceiverAddress GetServicesOptionsRequestContainer/SenderAddress	
City	City	String
Province	Province/State	String
Country	Country name	String
PostalCode	Postal/Zip Code	String
ComplexType ResponseContext	Used by: GetServiceRulesRequestContainer/ReceiverAddress GetServicesOptionsRequestContainer/SenderAddress	
ResponseReference		
ComplexType Weight	Used by: ServiceRules/MaximumPieceWeight ServiceRules/MaximumTotalWeight ServiceRules/MinimumPieceWeight ServiceRules/MinimumTotalWeight Weight	
Value		Decimal
WeightUnit		Enumeration: Lb kg
ComplexType Dimension	Used by: Dimension ServiceRules/MaximumPieceHeight ServiceRules/MaximumPieceLength ServiceRules/MaximumPieceWidth ServiceRules/MaximumSize ServiceRules/MinimumPieceHeight ServiceRules/MinimumPieceLength ServiceRules/MinimumPieceWidth	
Value		Decimal
DimensionUnit		Enumeration: in cm
ComplexType ValidateCityPostalCodeZipResponseContainer		
ResponseInformation		Complex Type ResponseInformation
SuggestedAddresses		Complex Type SuggestedAddresses
ComplexType GetServiceRulesResponseContainer		
ResponseInformation		Complex Type ResponseInformation
ServiceRules		Complex Type ServiceRules
ServiceOptionRules		Complex Type ServiceOptionRules
OptionRules		Complex Type OptionRules
ComplexType GetServicesOptionsResponseContainer		
ResponseInformation		Complex Type ResponseInformation
Services		Complex Type Services

3.21 Estimates Web Services

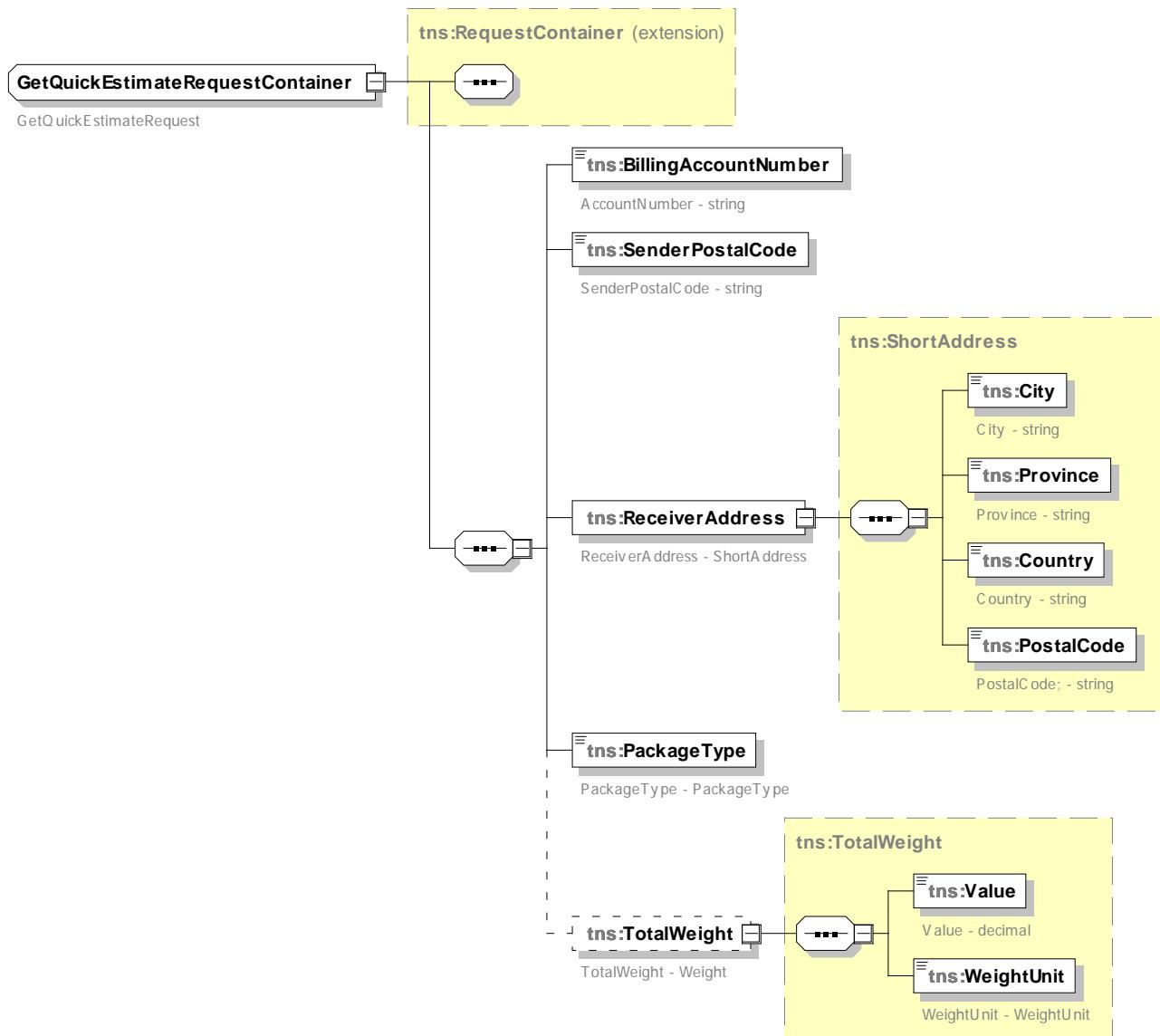
3.21.1 Service Methods and Objects: request/response XML schema

The following section will highlight the various methods associated with the Estimates Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

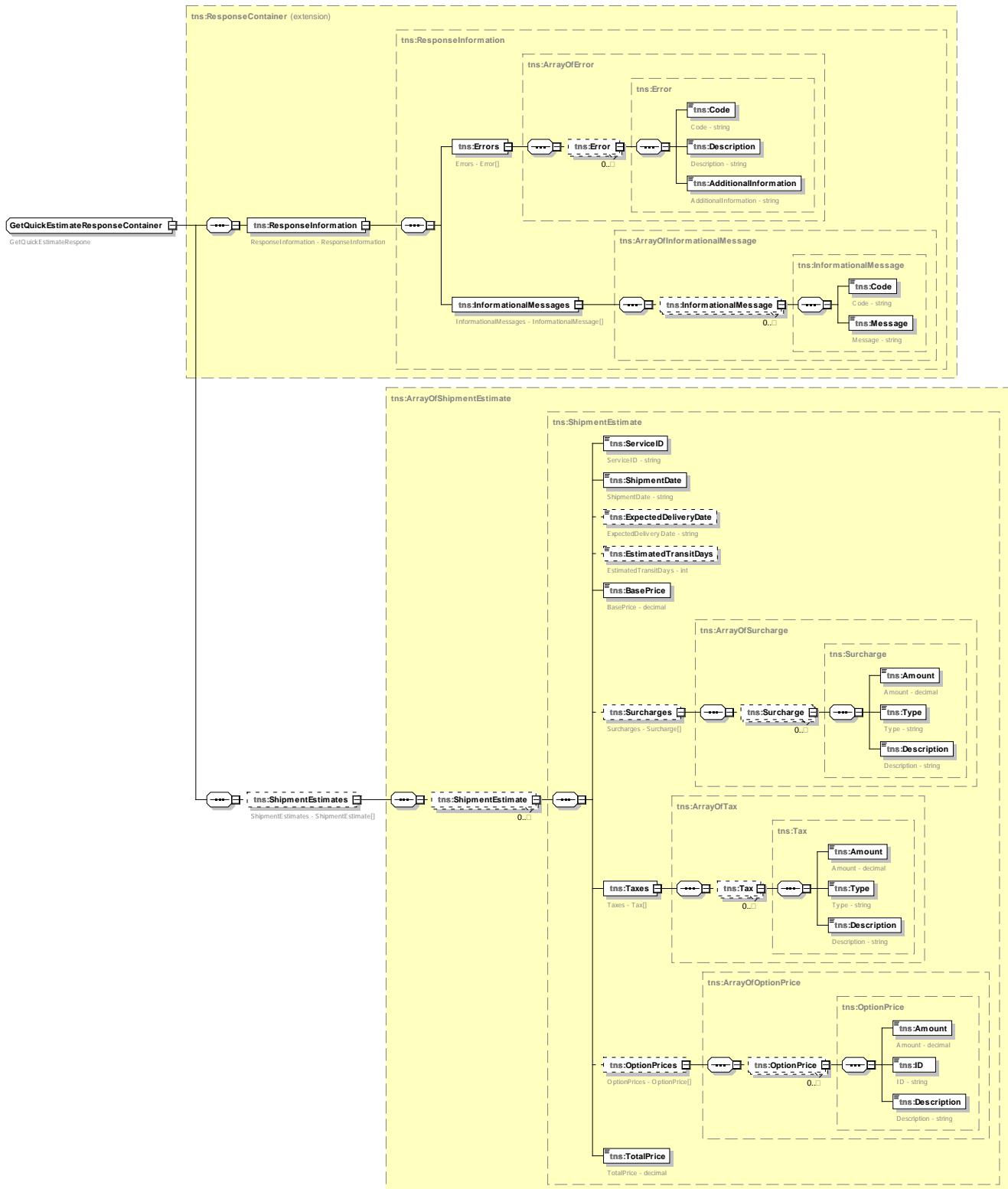
3.21.1.1 Request Diagrams – GetQuickEstimate

The [GetQuickEstimate](#) Method will provide an estimate based on postal code to postal code input, as well as package type. Additionally, U.S. and international estimates are also available. (Postal code to zip code or postal code to country).

Included in the response message are all the associated costs and transit dates for the Purolator service provided.



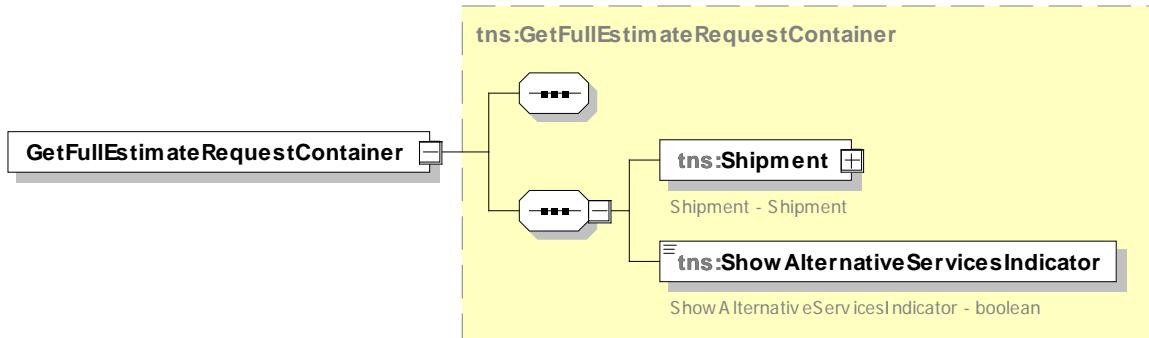
3.21.1.2 Response Diagrams – GetQuickEstimate



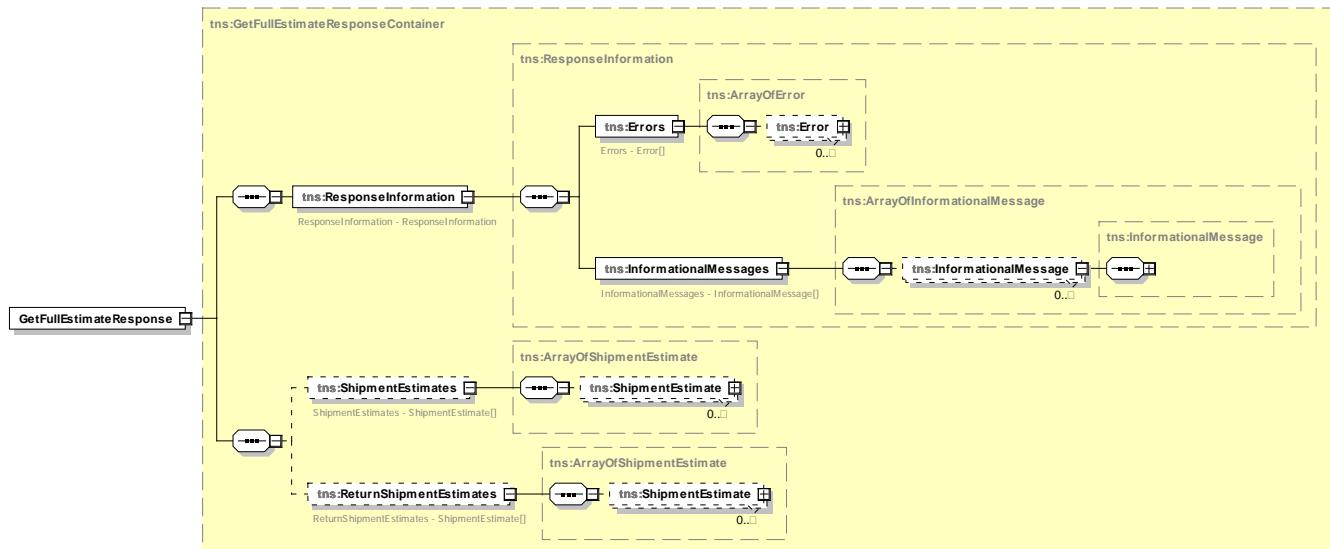
3.21.1.3 Request Diagrams – GetFullEstimate

The GetFullEstimate Method provides a detailed estimate. The full shipment information is used as input (detailed sender and receiver info, as well as associated package and service info).

Included in the response message are all the associated costs and transit dates for the Purolator service provided, as well as all products and services available for the specified origin and destination addresses.



3.21.1.4 Response Diagrams – GetFullEstimate



3.21.2 Complete Field List

Elements

[Address](#) | [ArrayOfContentDetail](#) | [ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [ArrayOfOptionIDValuePair](#) | [ArrayOfOptionPrice](#) | [ArrayOfPiece](#) | [ArrayOfShipmentEstimate](#) | [ArrayOfSurcharge](#) | [ArrayOfTax](#) | [BillDutiesToParty](#) | [BusinessRelationship](#) | [BuyerInformation](#) | [ContentDetail](#) | [CreditCardInformation](#) | [CreditCardType](#) | [Dimension](#) | [DimensionUnit](#) | [DutyCurrency](#) | [DutyInformation](#) | [Error](#) | [GetFullEstimateRequestContainer](#) | [GetFullEstimateResponseContainer](#) | [GetQuickEstimateRequestContainer](#) | [GetQuickEstimateResponseContainer](#) | [ImportExportType](#) | [InformationalMessage](#) | [InternationalInformation](#) | [Language](#) | [NotificationInformation](#) | [OptionIDValuePair](#) | [OptionPrice](#) | [OptionsInformation](#) | [OtherInformation](#) | [PackageInformation](#) | [PackageType](#) | [PaymentInformation](#) | [PaymentType](#) | [PhoneNumber](#) | [PickupInformation](#) | [PickupType](#) | [Piece](#) | [ReceiverInformation](#) | [RequestContext](#) | [ResponseContext](#) | [ResponseInformation](#) | [ReturnShipmentInformation](#) | [SenderInformation](#) | [Shipment](#) | [ShipmentEstimate](#) | [ShortAddress](#) | [Surcharge](#) | [Tax](#) | [TotalWeight](#) | [TrackingReferenceInformation](#) | [Weight](#) | [WeightUnit](#)

Input		
Field Name	Description	Allowed Value
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	2.1
Language	Used to define the Language of the Response text.	Enumeration: • en • fr
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType GetQuickEstimateRequestContainer		
BillingAccountNumber		String
SenderPostalCode		String
ReceiverAddress		Complex Type ShortAddress
PackageType		Enumeration: • ExpressEnvelope • ExpressPack • CustomerPackaging • ExpressBox
TotalWeight		Complex Type TotalWeight

Input		
Field Name	Description	Allowed Value
ComplexType GetFullEstimateRequestContainer		
Shipment		Complex Type Shipment
ShowAlternativeServicesIndicator		Boolean
ComplexType Shipment	Used by: ReturnShipmentInformation/ReturnShipment, CreateShipmentRequest/Shipment, ValidateShipmentRequest/Shipment	
SenderInformation	Address information for the shipment sender	Complex Type SenderInformation
ReceiverInformation	Address information for the shipment receiver	Complex Type ReceiverInformation
FromOnLabelIndicator	Optional. Indicates if a FromOnLabel Sender address is to be used.	Enumeration: <ul style="list-style-type: none">• True• False
FromOnLabelInformation	Optional. Address information that will be displayed on the Label as the FromOnLabel sender.	Complex Type FromOnLabelInformation
Shipment Date	Date of Shipment	Up to 90 days in advance (for estimates only). Date format: YYYY-MM-DD
PackageInformation	Package Details	Complex Type PackageInformation
InternationalInformation	International Details	Complex Type InternationalInformation
ReturnShipmentInformation	Return Shipment details	Complex Type ReturnShipmentInformation
PaymentInformation	Payment Information	Complex Type PaymentInformation
PickupInformation	Pickup Information	Complex Type PickupInformation
NotificationInformation	Notification details	Complex Type NotificationInformation
TrackingReferenceInformation	Reference Fields for tracking reference	Complex Type TrackingReferenceInformation
OtherInformation	Special Instructions for delivery, and cost centre	Complex Type OtherInformation
ComplexType SenderInformation	Used by: Shipment/SenderInformation, SenderInformation	
Address	Address details	ComplexType Address
TaxNumber	Optional. Number for tax purposes	String Alpha numeric Maximum character length 11

Input		
Field Name	Description	Allowed Value
ComplexType ReceiverInformation	Used by: Shipment/ReceiverInformation, ReceiverInformation	
Address	Address details	ComplexType Address
TaxNumber	Optional. Number for tax purposes	Alpha numeric
ComplexType FromOnLabelInformation	Used by: Shipment/FromOnLabelInformation, FromOnLabelInformation	
Address	Address details	ComplexType Address
ComplexType Address	Used by: Address SenderInformation, Address ReceiverInformation, Address FromOnLabelInformation, Address, BuyerInformation, Address OptionsInformation, ExpressChequeAddress	
Name	Required. Name Information	String Alpha Numeric Maximum character length: 30
Company	Optional. Company Information	String Alpha Numeric Maximum character length: 30
Department	Optional. Department Information	String Alpha Numeric Maximum character length: 20
StreetNumber	Required* **. Street address number *Optional for US/International shipments. **Optional for ReceiverInformation	String Alpha Numeric Maximum character length: 6
StreetSuffix	Optional. Street Address Suffix	Enumeration See Street Suffix list
StreetName	Required. Street Name	String Alpha Numeric Maximum character length: Variable* * The Maximum character length varies when used in conjunction with different Complex Types. The maximum character lengths for the different Complex Types are as follows : SenderInformation : 30 ReceiverInformation : 35 BuyerInformation : 25
StreetType	Optional. Street Type	Enumeration. See Street Type list
StreetDirection	Optional. Street Direction	Enumeration: See Street Direction list

Input

Field Name	Description	Allowed Value
Suite	Optional. Suite Number	String Alpha Numeric Maximum character length 6
Floor	Optional. Floor Number	String Alpha Numeric Maximum character length 3
StreetAddress2	Optional. Address information line 2	String Alpha Numeric Maximum character length 25
StreetAddress3	Optional. Address information line 3	String Alpha Numeric Maximum character length 25
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required*. Province/State * Should be blank for international shipments.	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List
PostalCode	Required. Postal/Zip Code	
PhoneNumber	Phone number	Complex Type PhoneNumber
FaxNumber	Fax Number	Complex Type PhoneNumber
ComplexType PhoneNumber	Used by: Address/FaxNumber, Address/PhoneNumber, PhoneNumber	
CountryCode	Country Code	String. Numeric
AreaCode	Area Code	String. Numeric
Phone	Phone Number	String. Numeric
Extension	Extension	String. Numeric
ComplexType PackagelInformation	Used by: Shipment/PackagelInformation, PackagelInformation	
ServiceID	Required. Purolator Service selector.	Enumeration; See the Product List
Description	Required. Description of contents	String.

Input

Field Name	Description	Allowed Value
TotalWeight	Required. Total Weight	Complex Type TotalWeight
TotalPieces	Required. Total number of Pieces	
PiecesInformation		Complex Type PiecesInformation
DangerousGoodsDeclaration	Optional. Generate declaration for Dangerous Goods	Enumeration: <ul style="list-style-type: none">• True• false
OptionsInformation		
ComplexType TotalWeight	Used by: PackageInformation/TotalWeight, Piece/Weight, Weight	
Value	Required. Weight	Numeric
WeightUnit	Required. Unit of measurement	"lb" for pounds or "kg" for kilogram
ComplexType PiecesInformation	Used by: Shipment/PackageInformation	
ArrayOfPiece	Optional. Array used for single or multiple piece information.	Complex Type ArrayOfPiece
ComplexType ArrayOfPiece	Used by: ArrayOfPiece, PackageInformation/PiecesInformation	
Piece	Optional. (Required if submitting individual piece information) Piece information including weight and dimensions.	Complex Type Piece
ComplexType Piece	Used by: ArrayOfPiece/Piece, Piece	
Weight	Package weight.	Complex Type Weight
Length	Package length.	Complex Type Length
Width	Package width	Complex Type Width
Height	Package Height	Complex Type Height
Options	Options	Complex Type Options

Input		
Field Name	Description	Allowed Value
ComplexType Weight	Used by: ArrayOfPiece/Piece	
Value	Required. Weight Value	Decimal. Numeric.
WeightUnit	Required. Unit of measure	Enumeration: <ul style="list-style-type: none"> • lb • kg
ComplexType Dimension	Used by: Dimension, Piece/Height, Piece/Length, Piece/Width	
Value	Required if entering Dimensional information.	Decimal. Numeric
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none"> • "in" for inch • "cm" for centimetres
ComplexType Width	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none"> • "in" for inch • "cm" for centimetres
ComplexType Height	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none"> • "in" for inch • "cm" for centimetres
ComplexType Options	Used by: ArrayOfPiece/Piece, Piece	
ArrayOfOptionIDValuePair	The ArrayOfOptionIDValuePair field is used by both the shipment element, and the piece element. This array is used to input a single or multiple characteristics to the piece and/or shipment level.	Complex Type ArrayOfOptionIDValuePair

Input		
Field Name	Description	Allowed Value
ComplexType ArrayOfOptionIDValuePair	Used by: Piece/Options, OptionsInformation/Options	
OptionIDValuePair	The OptionIDValuePair field is used by both the shipment element, and the piece element. These fields are used to input piece/shipment characteristics such as but not limited to Special Handling and Dangerous Goods.	Complex Type OptionIDValuePair
ComplexType OptionIDValuePair	Used by: ArrayOfOptionIDValuePair/OptionIDValuePair, OptionIDValuePair	
ID	Required. (optional if at Piece level) Characteristic name	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to the following: Piece level Characteristics Shipment Level Characteristics
Value	Required when sending OptionIDValuePair. Allowed value for Characteristic ID.	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to Piece level Characteristics Shipment Level Characteristics
ComplexType OptionsInformation	Used by: PackageInformation/OptionsInformation, OptionsInformation	
Options		Complex Type OptionIDValuePair
ExpressChequeAddress	Required if sending ExpressCheque. Address for ExpressCheque return shipment.	Complex Type Address
ComplexType InternationalInformation	Used by: InternationalInformation, Shipment/InternationalInformation	
ContentDetails	Required if sending International shipment. Details of shipment for customs.	Complex Type ContentDetail
BuyerInformation	Optional. Information of buyer.	Complex Type BuyerInformation
PreferredCustomsBroker	Optional. For US ground shipments only.	String. When preparing ground shipments to the United States please enter a valid Broker Name. Please click here for the list of valid Purolator US ground shipment Broker Names.

Input		
Field Name	Description	Allowed Value
DutyInformation	Required if sending International shipment.	Complex Type DutyInformation
DocumentsOnlyIndicator	Optional. Indicates documents only. If selected, no other international information is required.	
ImportExportType	Required if sending International shipment.	Enumeration: Permanent Temporary Repair Return
CustomsInvoiceDocumentIndicator	Required if sending International shipment.	
ComplexType ArrayOfContentDetails	Used by: InternationalInformation , Shipment/InternationalInformation	
ContentDetail		
ComplexType ContentDetail	Used by: ArrayOfContentDetails , InternationalInformation , Shipment/InternationalInformation	
Description	Required if sending US/International shipment, and not Documents only. Description of contents.	String
HarmonizedCode	Required if sending US/International shipment, and not Documents only. Harmonized code for item.	String
CountryOfManufacture	Required if sending US/International shipment, and not Documents only. Country of manufacture of item.	String
ProductCode	Required if sending US/International shipment, and not Documents only. Products code of item.	String
UnitValue	Required if sending US/International shipment, and not Documents only. Unit Value of item.	String

Input

Field Name	Description	Allowed Value
Quantity	Required if sending US/International shipment, and not Documents only. Quantity of item.	String
NAFTADocumentIndicator	Required if sending US/International shipment, and not Documents only. Indicator to generate NAFTA documentation.	String
TextileIndicator	Optional. Required if sending textile products to the U.S.	Boolean true, false
TextileManufacturer	Required if TextileIndicator is set to true.	String Max. 250 characters
FCCDocumentIndicator	Required if sending US/International shipment, and not Documents only.	String
SenderIsProducerIndicator	Required if sending US/International shipment, and not Documents only.	String
ComplexType BuyerInformation	Used by: ArrayOfContentDetails, InternationalInformation, Shipment/InternationalInformation	
Address		Complex Type Address
TaxNumber	Optional. Tax Number	String Alpha Numeric
ComplexType DutyInformation	Used by: DutyInformation, InternationalInformation/DutyInformation	
BillDutiesToParty	Optional (required if sending US/Intl shipment) Specifies where duty charges (if any) should be billed to.	Enumeration: • Sender • Receiver • Buyer
BusinessRelationship	Optional (required if sending US/Intl shipment) Relationship of company/person that duty is charged to.	Enumeration: • Related • NotRelated

Input

Field Name	Description	Allowed Value
DutyCurrency	Optional (required if sending US/Intl shipment) Currency of duty.	Enumeration: <ul style="list-style-type: none">• CAD• USD
ComplexType ReturnShipmentInformation	Used by: Shipment/ReturnShipmentInformation, ReturnShipmentInformation	
NumberOfReturnShipments	Optional. Number of pieces classified as returns.	String Numeric.
ReturnShipment		Complex Type Shipment
ComplexType PaymentInformation	Used by: Shipment/PaymentInformation, PaymentInformation	
PaymentType	Required. Specifies where shipping charges should be billed to.	Enumeration: <ul style="list-style-type: none">• Sender• Receiver• ThirdParty• CreditCard
SenderAccountNumber	Required. Sender's account number	String. Numeric
BillingAccountNumber	Required. Account number of type specified in PaymentType field.	String. Numeric
CreditCardInformation		Complex Type CreditCardInformation
ComplexType CreditCardInformation	Used by: PaymentInformation	
CreditCardType	Required if paying by Credit Card. Credit Card Type	Enumeration: <ul style="list-style-type: none">• Visa• MasterCard• AmericanExpress
Number	Required if paying by Credit Card. Credit Card Number	String. Numeric
Name	Required if paying by Credit Card. Name on Credit Card	String. Alpha Numeric

Input		
Field Name	Description	Allowed Value
ExpiryMonth	Required if paying by Credit Card. Expiry month of Credit Card	String. Numeric MM
ExpiryYear	Required if paying by Credit Card. Expiry Year of Credit Card	String. Numeric YYYY
CVV		String. Numeric
BillingPostalCode	Billing Postal Code of the Credit Card.	String.
ComplexType PickupInformation	Used by: Shipment/PickupInformation, PickupInformation	
PickupType	Required. Pickup options.	<p>Enumeration:</p> <ul style="list-style-type: none"> • DropOff • PreScheduled
ComplexType NotificationInformation	Used by: NotificationInformation, Shipment/NotificationInformation	
ConfirmationEmailAddress	Required. Email address which will receive the shipment confirmation email.	<p>String Valid email address format. xxx@xxxx.xxx</p>
AdvancedShippingNotificationEmailAddress1	Optional. Email address which will receive the advanced shipment notification.	<p>String Valid email address format. xxx@xxxx.xxx</p>
AdvancedShippingNotificationEmailAddress2	Optional. Additional email address which will receive the advanced shipment notification.	<p>String Valid email address format. xxx@xxxx.xxx</p>
AdvancedShippingNotificationMessage	Optional. Additional email address which will receive the advanced shipment notification.	<p>String Valid email address format. xxx@xxxx.xxx</p>

Input		
Field Name	Description	Allowed Value
ComplexType TrackingReferenceInformation	Used by: Shipment	
ProofOfPickUpScanDetails		
ComplexType ProofOfPickUpScanDetails	Used by: Shipment/TrackingReferenceInformation, ProofOfPickUpScanDetails	
Reference1	Optional.	String. Alpha Numeric.
Reference2	Optional.	String. Alpha Numeric.
Reference3	Optional.	String. Alpha Numeric.
Reference4	Optional.	String. Alpha Numeric.
ComplexType OtherInformation	Used by: Shipment/OtherInformation, OtherInformation	
CostCentre	Optional. Cost Centre (invoice reference) If you wish to enter an invoice reference that is more than 15 characters, please leave the Cost Centre field blank, and enter your value in the Reference 1 field.	String. Alpha Numeric. Maximum character length: 15
SpecialInstructions	Optional. Special Instructions for delivery.	String. Alpha Numeric. Maximum character length: 30
ComplexType ShortAddress	Used by: GetServiceRulesRequestContainer/ReceiverAddress GetServicesOptionsRequestContainer/SenderAddress	
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required. Province/State	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List
PostalCode		

Output

Field Name	Description	Output Values
Element GetFullEstimateResponseContainer		
ResponseInformation		Complex Type ResponseInformation
ShipmentEstimates		Complex Type ArrayOfShipmentEstimate
ReturnShipmentEstimates		
Element GetQuickEstimateResponseContainer		
ResponseInformation		Complex Type ResponseInformation
ShipmentEstimates		Complex Type ArrayOfShipmentEstimate
Element ArrayOfShipmentEstimate		
ShipmentEstimate		Complex Type ShipmentEstimate
Element ShipmentEstimate	Used by: ArrayOfShipmentEstimate/ShipmentEstimate	
ServiceID		String
ShipmentDate		String
ExpectedDeliveryDate		String
EstimatedTransitDays		Int
BasePrice	Base price of shipment	Decimal
Surcharges	Array of surcharges	Complex Type ArrayOfSurcharge
Taxes	Array of taxes	Complex Type ArrayOfTax
OptionPrices	Array of option prices	Complex Type ArrayOfOptionPrice
TotalPrice	Total estimated price of shipment	Decimal
Element ResponseInformation	Used by: ResponseInformation	
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages		Complex Type ArrayOfInformationalMessages
Element ArrayOfSurcharge	Used by: ShipmentEstimate	
Surcharge	List of surcharges	Complex Type Surcharge

Output

Field Name	Description	Output Values
Element Surcharge	Used by: ArrayOfSurcharge/Surcharge	
Amount	Surcharge amount	Decimal
Type	Surcharge type	String
Description	Description of surcharge	String
Element ArrayOfTax	Used by: ShipmentEstimate/Taxes	
Tax	List of taxes	Complex Type Tax
Element Tax	Used by: ArrayOfTax/Tax	
Amount	Tax amount	Decimal
Type	Tax type	String
Description	Description of tax	String
Element ArrayOfOptionPrice	Used by: ShipmentEstimate/OptionPrices	
OptionPrice	List of option price	Complex Type Tax
Element OptionPrice	Used by: ShipmentEstimate/OptionPrices	
Amount	Option price amount	Decimal
ID	ID of option	String
Description	Description of option	String
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	String
Description	Error Description	String
AdditionalInformation	Additional error information	String

Output

Field Name	Description	Output Values
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
InformationalMessage		String
ComplexType ResponseContext	Used by: GetServiceRulesRequestContainer/ReceiverAddress GetServicesOptionsRequestContainer/SenderAddress	
ResponseReference		String

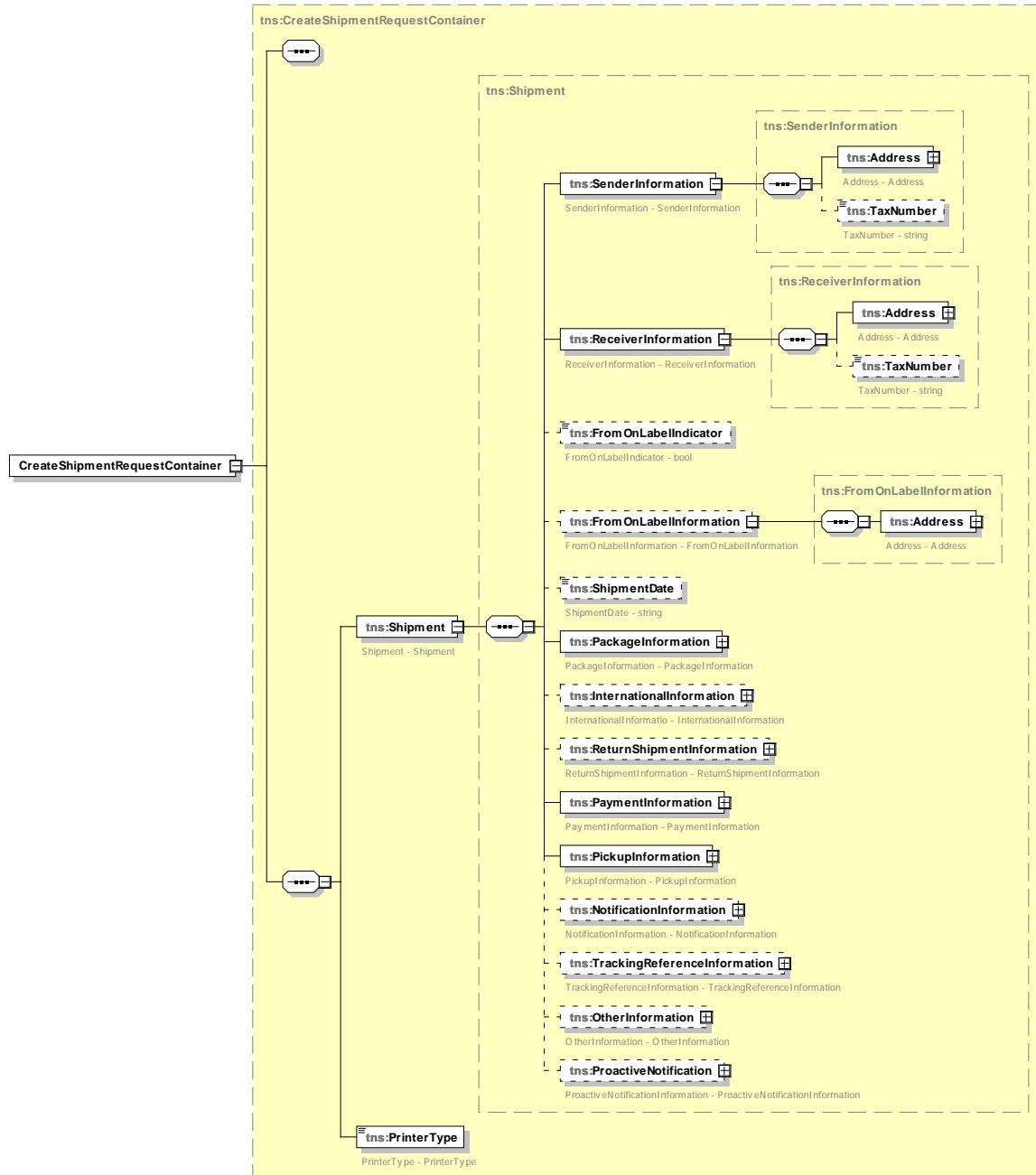
3.22 Shipping Web Services

3.22.1 Service Methods and Objects: request/response XML schema

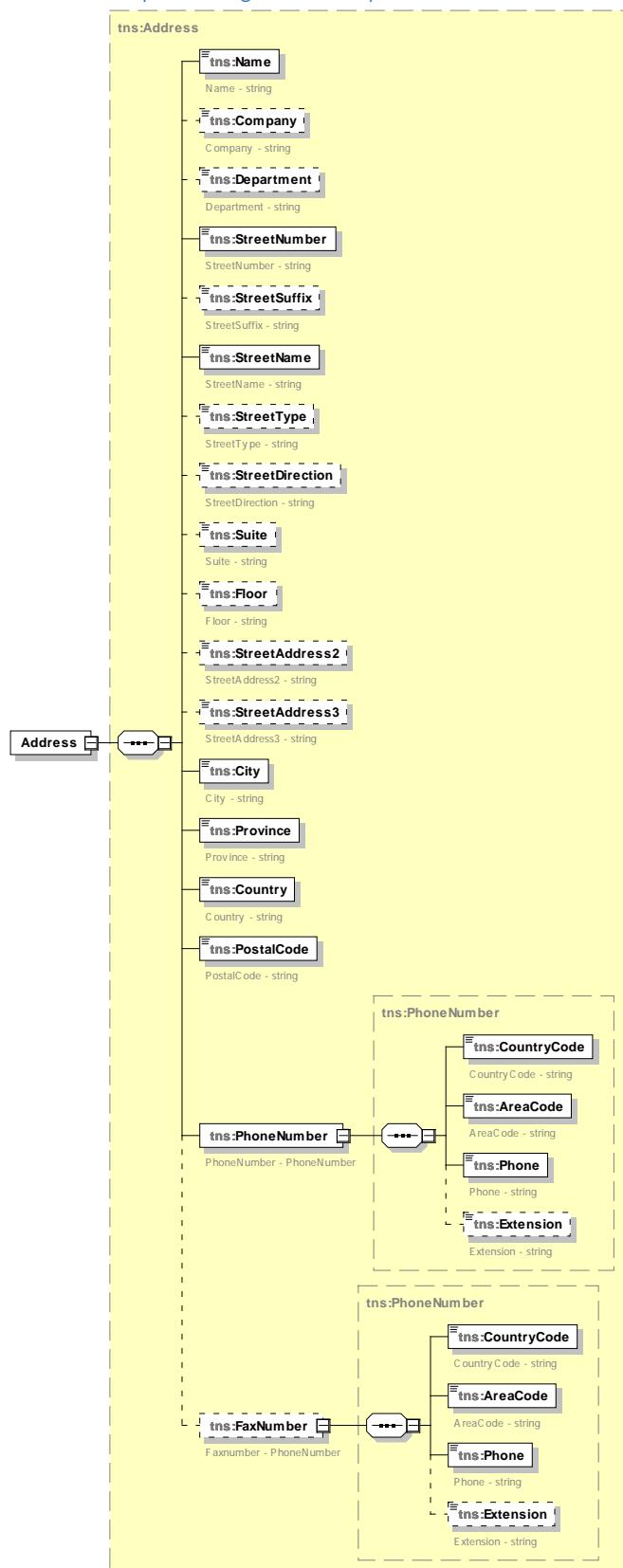
The following section will highlight the various methods associated with the Shipping Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.22.1.1 Request Diagrams – *CreateShipmentRequest*

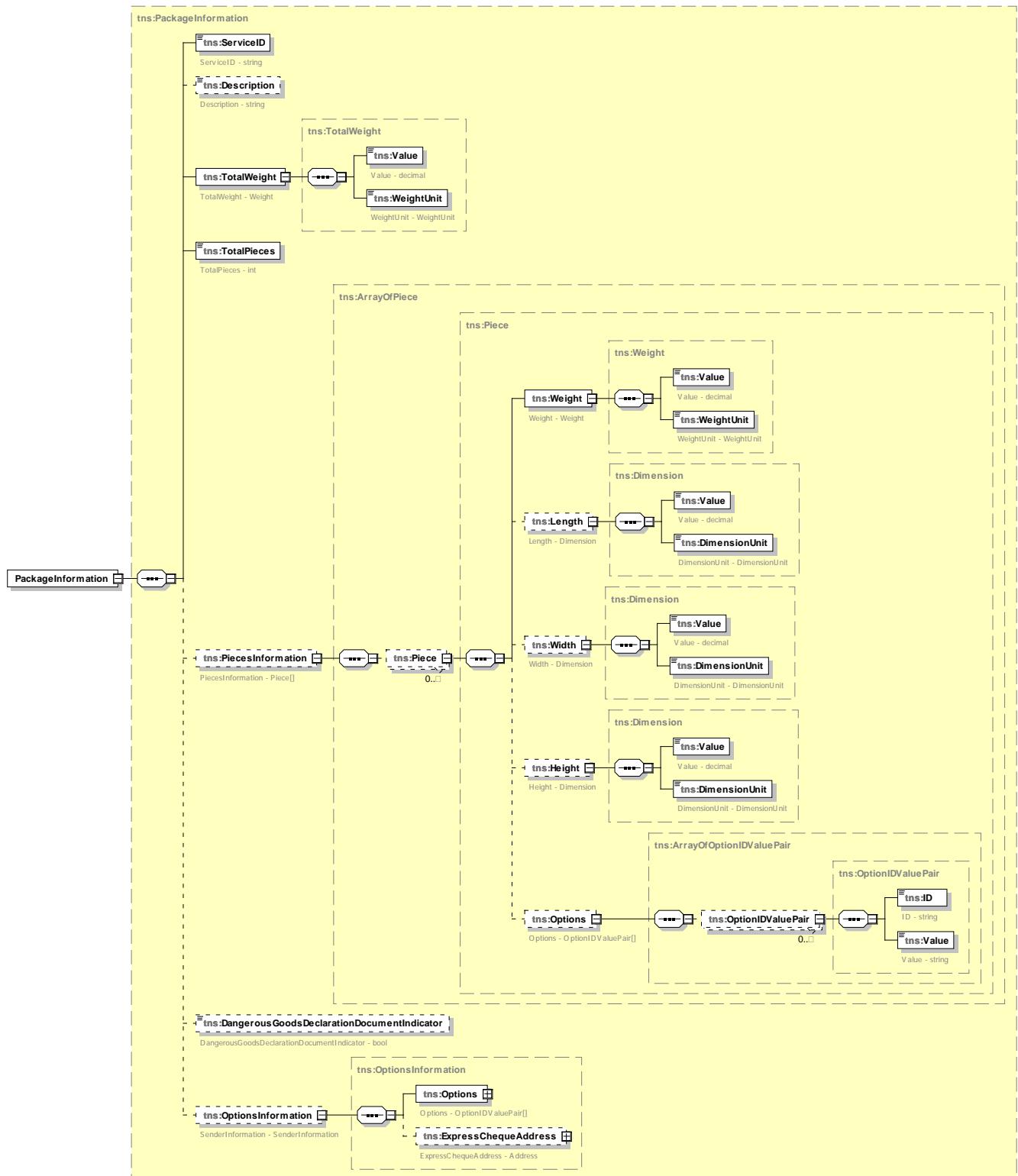
The [CreateShipment](#) Method is used to create shipments using Purolator E-SHIP Commercial Web Services. The diagrams below show the objects contained within the shipment request. Please note that shipping labels are created by a separate [GetDocuments](#) Web Service.



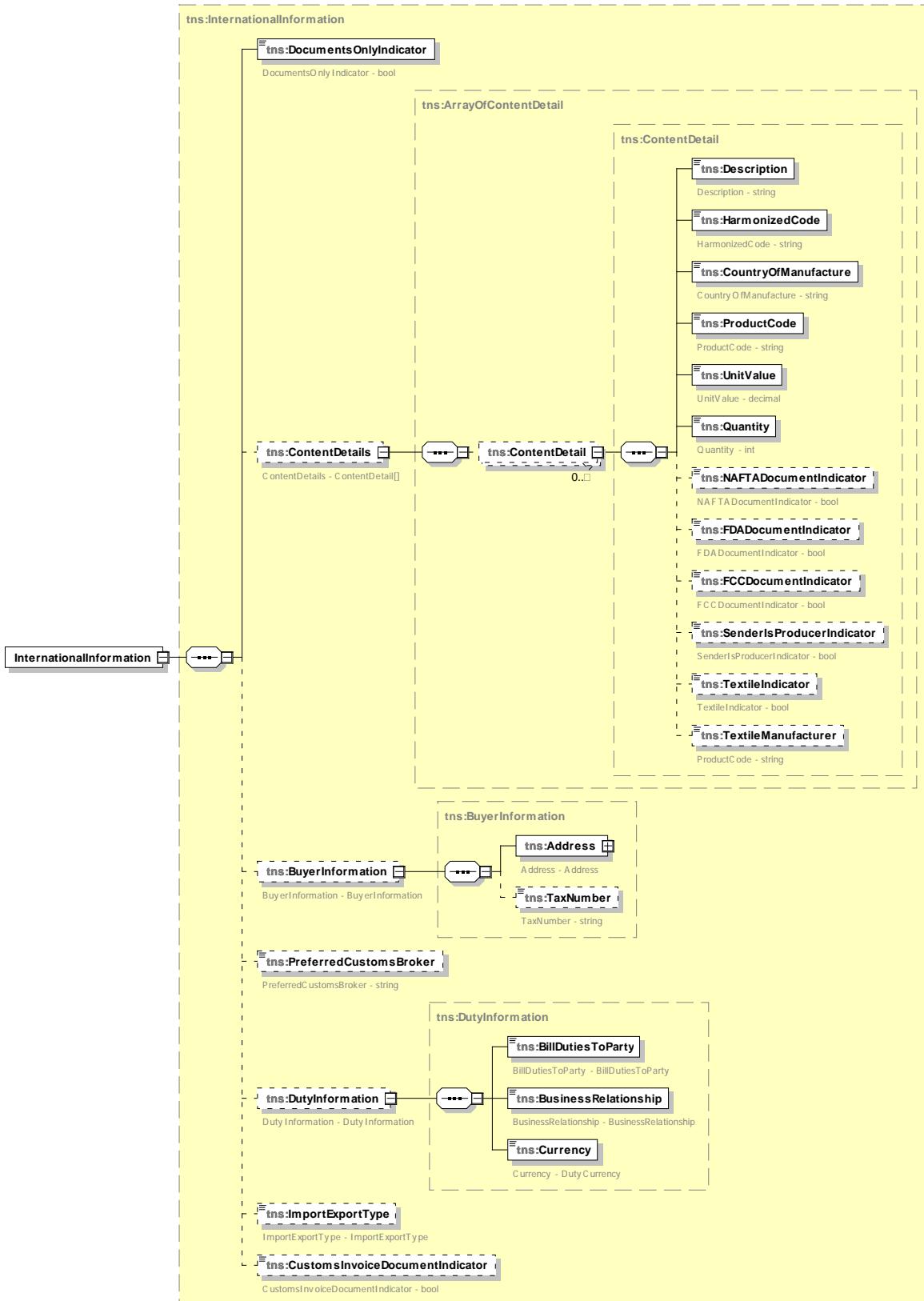
3.22.1.2 Request Diagrams – Shipment – Address



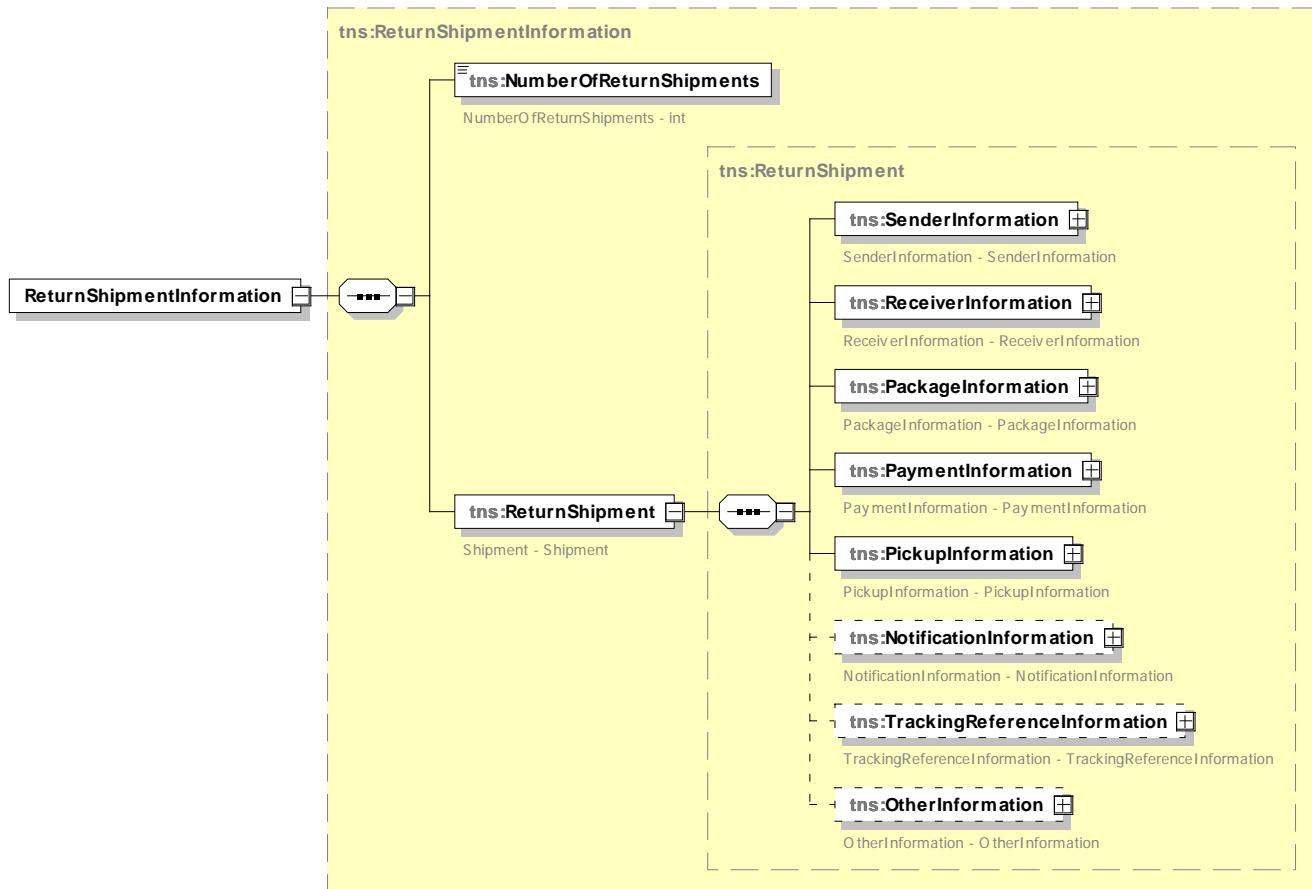
3.22.1.3 Request Diagrams – Shipment – Package Information



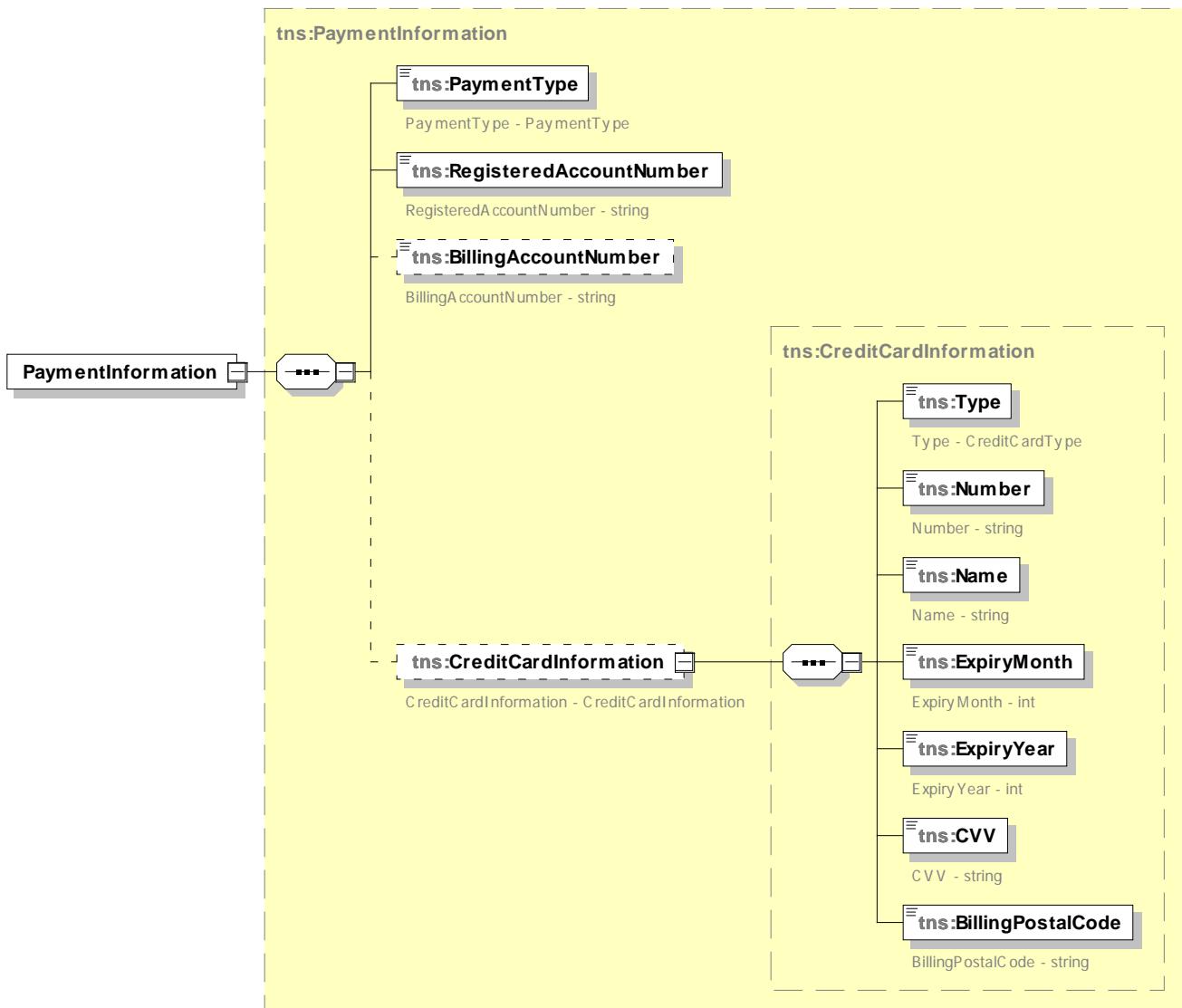
3.22.1.4 Request Diagrams – Shipment – International Information



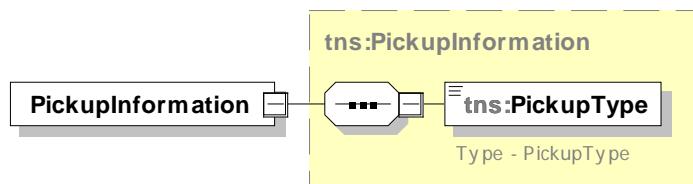
3.22.1.5 Request Diagrams – Shipment – Return Shipment Information



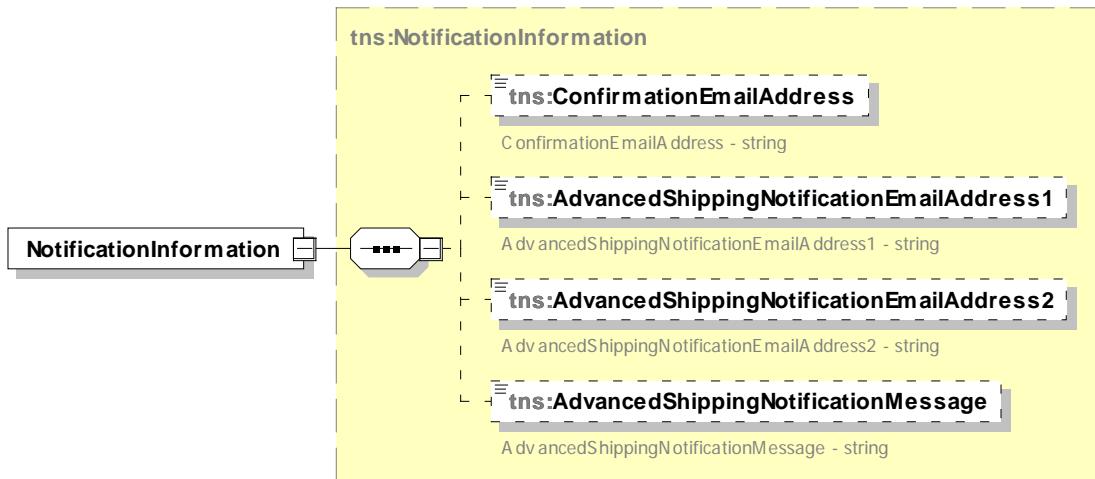
3.22.1.6 Request Diagrams – Shipment – Payment Information



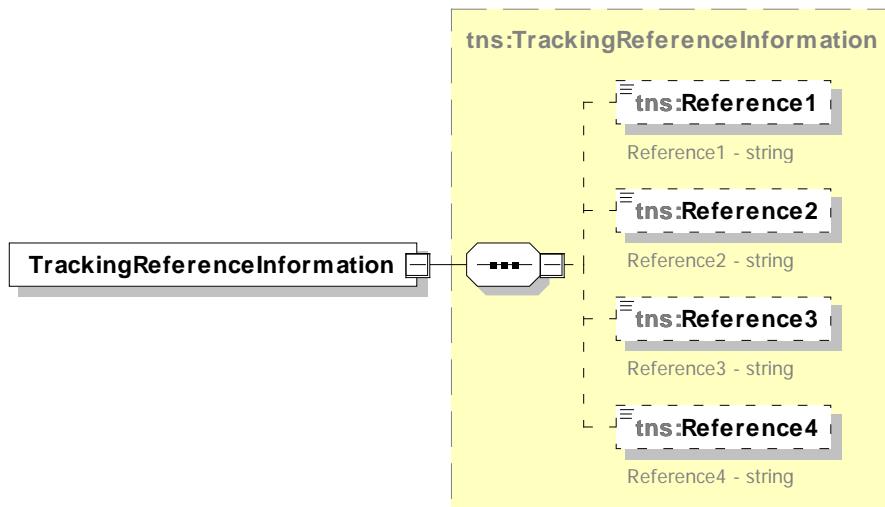
3.22.1.7 Request Diagrams – Shipment – Pickup Information



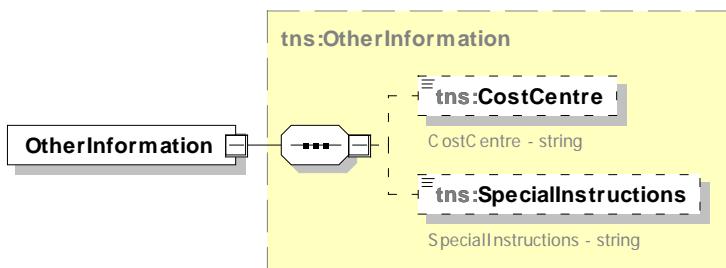
3.22.1.8 Request Diagrams – Shipment – Notification Information



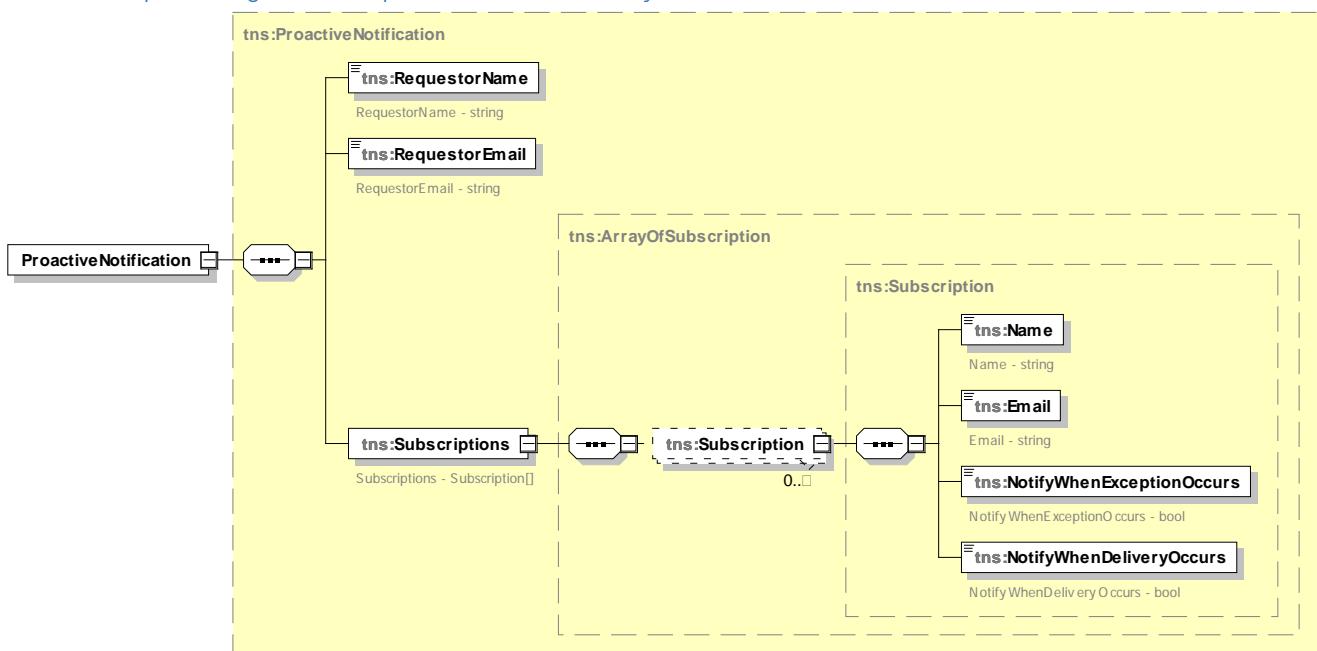
3.22.1.9 Request Diagrams – Shipment – Tracking Reference Information



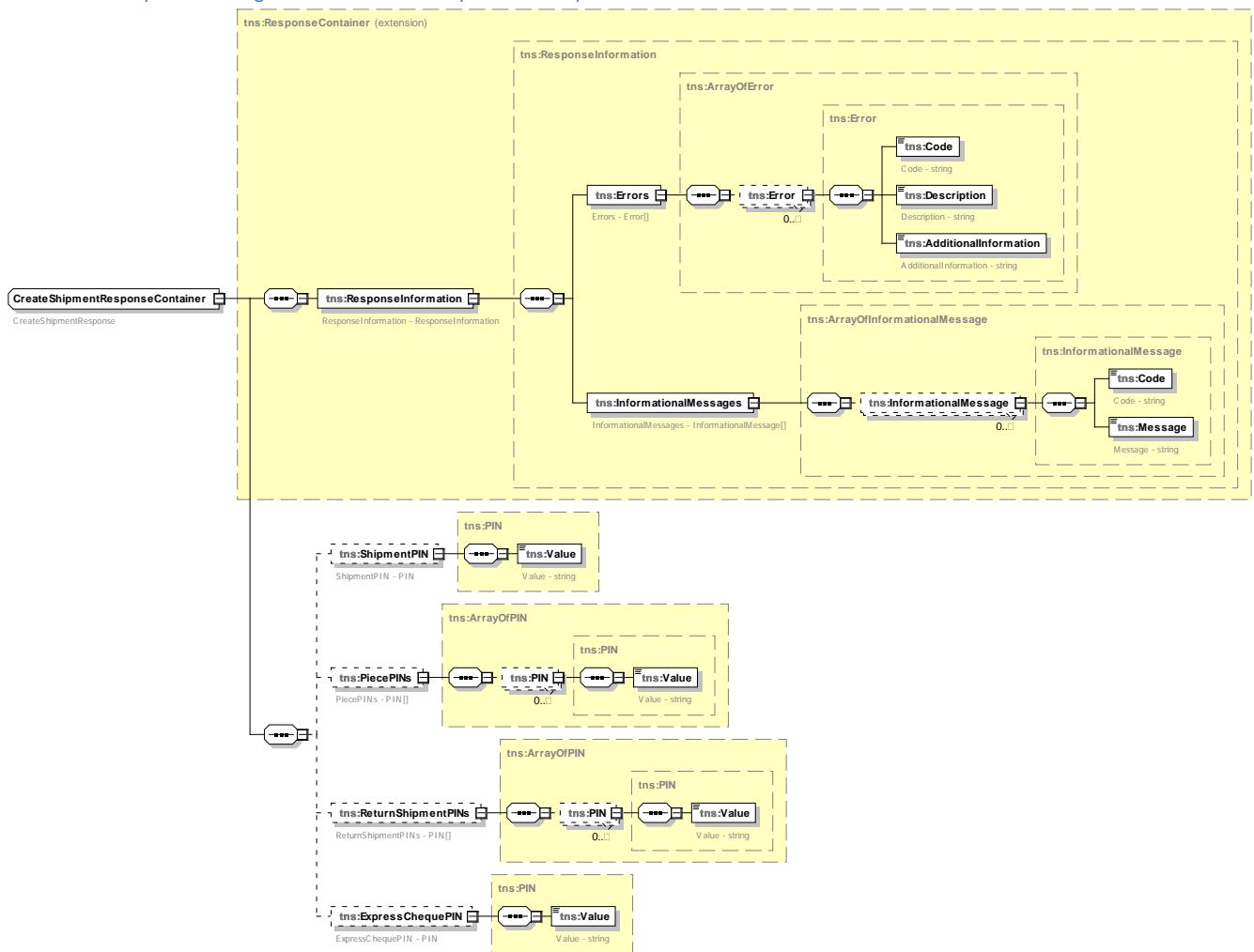
3.22.1.10 Request Diagrams – Shipment – Other Information



3.22.1.11 Request Diagrams – Shipment – ProactiveNotification

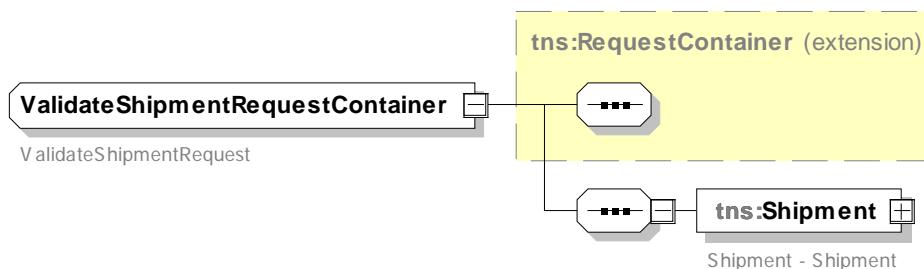


3.22.1.12 Response Diagrams – Create Shipment Response Container

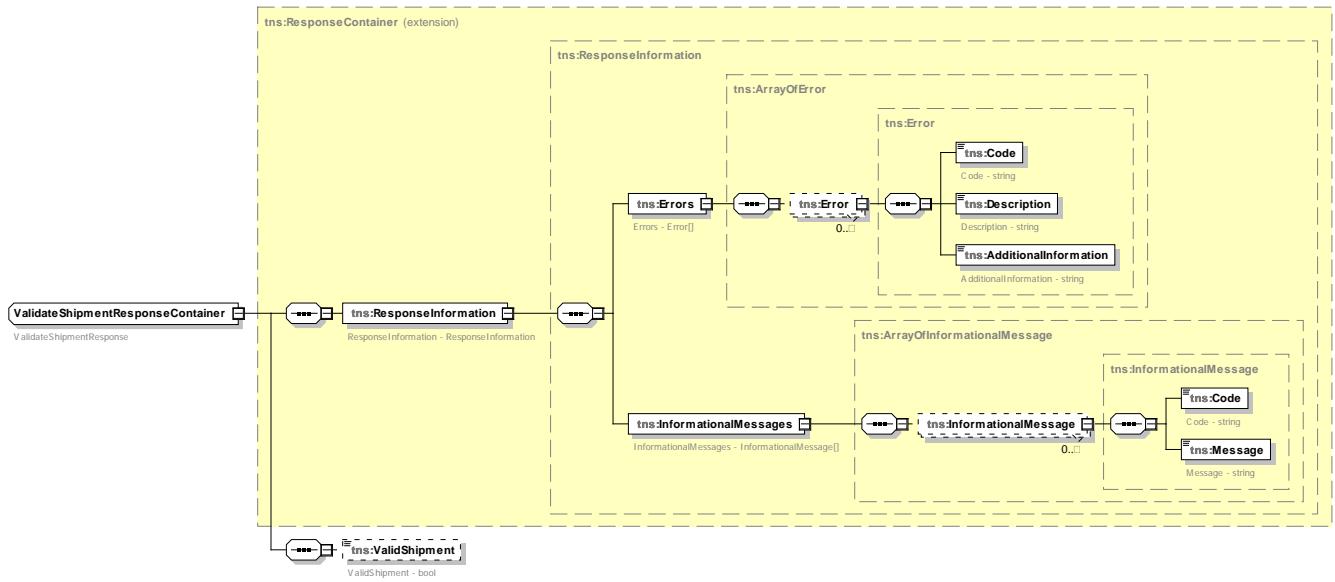


3.22.1.13 Request Diagrams – Validate Shipment

The [ValidateShipment](#) Method is used to validate that all shipment information is correct, and valid before committing the shipment to Purolator's systems. For the shipment element, please see the [CreateShipment](#) Method above.

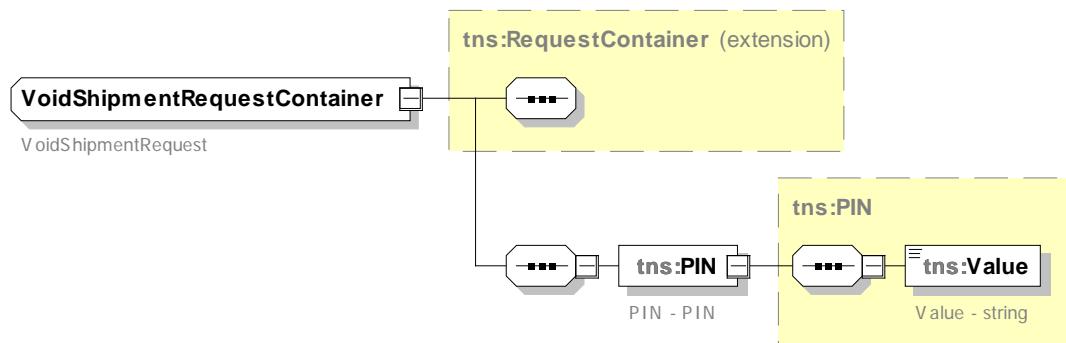


3.22.1.14 Response Diagrams – Validate Shipment Request

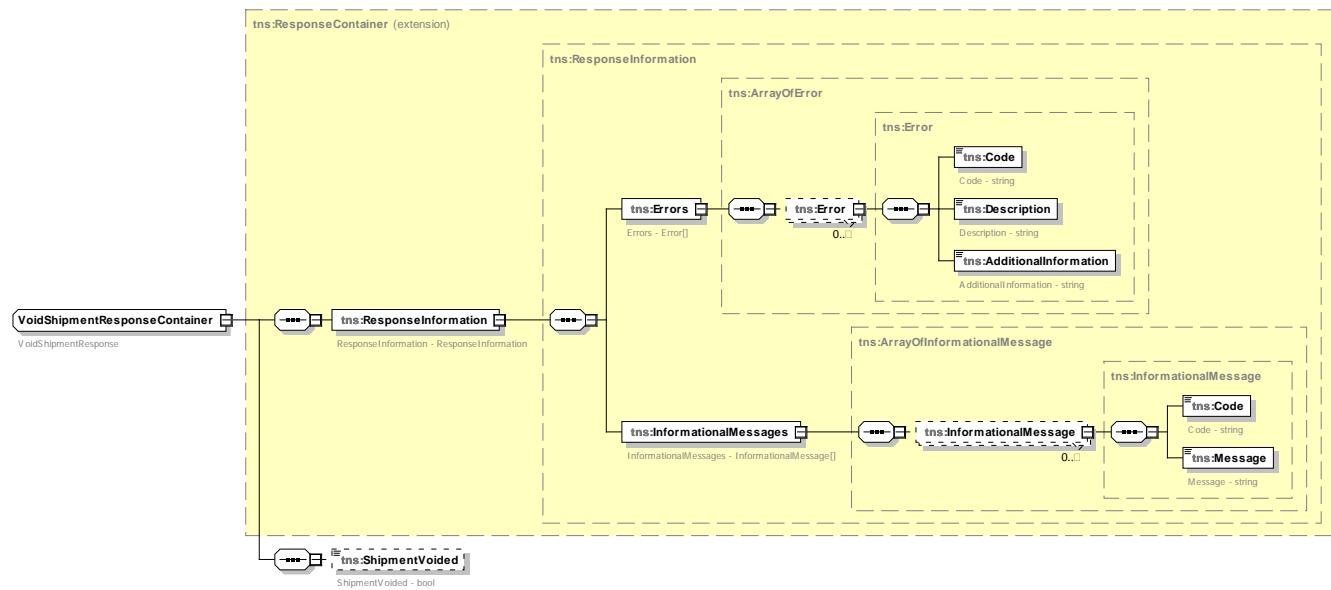


3.22.1.15 Request Diagrams – Void Shipment Request

The [VoidShipment](#) Method is used to void a shipment that has been created but not shipped.

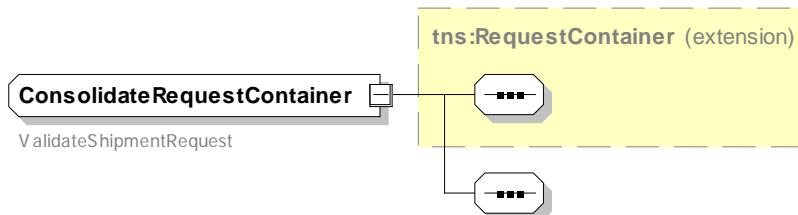


3.22.1.16 Response Diagrams – Void Shipment Request

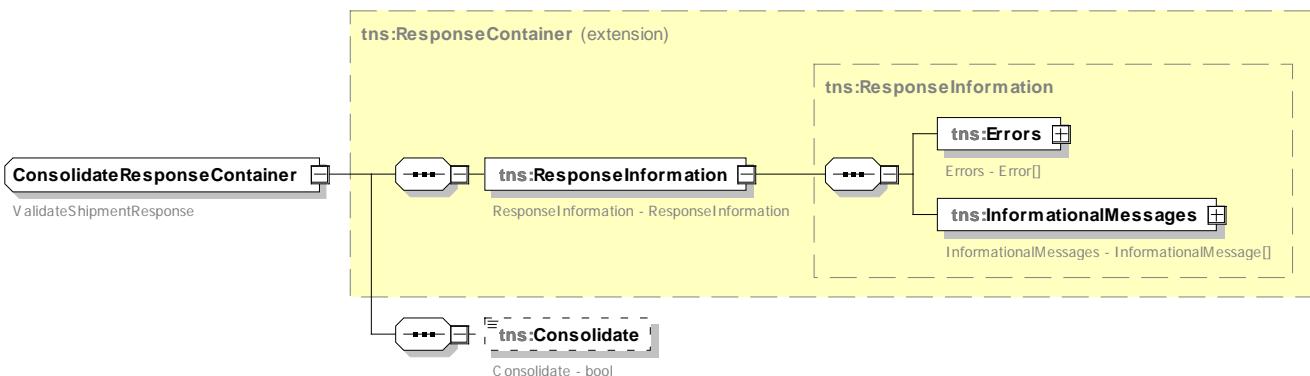


3.22.1.17 Request Diagrams – Consolidate

The Consolidate Method is used to close the day and consolidate the shipments that meet the consolidation criteria.



3.22.1.18 Response Diagrams – Consolidate



3.22.2 Complete Field List

Elements

[address](#) | [ArrayOfContentDetail](#) | [ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [ArrayOfOptionIDValuePair](#) | [ArrayOfPiece](#) | [ArrayOfPIN](#) | [BillDutiesToParty](#) | [BusinessRelationship](#) | [BuyerInformation](#) | [ConsolidateRequest](#) | [ConsolidateResponse](#) | [ContentDetail](#) | [CreateShipmentRequestContainer](#) | [CreateShipmentResponse](#) | [CreditCardInformation](#) | [CreditCardType](#) | [Dimension](#) | [DimensionUnit](#) | [DutyCurrency](#) | [DutyInformation](#) | [Error](#) | [ImportExportType](#) | [InformationalMessage](#) | [InternationalInformation](#) | [NotificationInformation](#) | [OptionIDValuePair](#) | [OptionsInformation](#) | [OtherInformation](#) | [PackageInformation](#) | [PaymentInformation](#) | [PaymentType](#) | [PhoneNumber](#) | [PickupInformation](#) | [PickupType](#) | [PiecesInformation](#) | [Piece](#) | [PIN](#) | [ProofOfPickUpScanDetails](#) | [ReceiverInformation](#) | [RequestContext](#) | [ResponseInformation](#) | [ReturnShipmentInformation](#) | [SenderIdInformation](#) | [Shipment](#) | [ValidateShipmentRequest](#) | [ValidateShipmentResponse](#) | [VoidShipmentRequest](#) | [VoidShipmentResponse](#) | [Weight](#) | [WeightUnit](#)

Input		
Field Name	Description	Allowed Value
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	2.1
Language	Used to define the Language of the Response text.	Enumeration. • en • fr
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType CreateShipmentRequestContainer	Used by: ReturnShipmentInformation/ReturnShipment , CreateShipmentRequest/Shipment , ValidateShipmentRequest/Shipment	
Shipment	Address information for the shipment sender	Complex Type Shipment
PrinterType	Required. Sets the document type flag for either documents to be printed on a thermal printer, or documents to be printed on a laser printer.	Enumeration: • Thermal • Regular

Input

Field Name	Description	Allowed Value
ComplexType Shipment	Used by: ReturnShipmentInformation/ReturnShipment, CreateShipmentRequest/Shipment, ValidateShipmentRequest/Shipment	
SenderInformation	Address information for the shipment sender	Complex Type SenderInformation
ReceiverInformation	Address information for the shipment receiver	Complex Type ReceiverInformation
FromOnLabelIndicator	Optional. Indicates if a FromOnLabel Sender address is to be used.	Enumeration: <ul style="list-style-type: none">• True• False
FromOnLabelInformation	Optional. Address information that will be displayed on the Label as the FromOnLabel sender.	Complex Type FromOnLabelInformation
ShipmentDate	Date of Shipment	Up to 10 days in advance. Date format: YYYY-MM-DD
PackageInformation	Package Details	Complex Type PackageInformation
InternationalInformation	International Details	Complex Type InternationalInformation
ReturnShipmentInformation	Return Shipment details	Complex Type ReturnShipmentInformation
PaymentInformation	Payment Information	Complex Type PaymentInformation
PickupInformation	Pickup Information	Complex Type PickupInformation
NotificationInformation	Notification details	Complex Type NotificationInformation
TrackingReferenceInformation	Reference Fields for tracking reference	Complex Type TrackingReferenceInformation
OtherInformation	Special Instructions for delivery, and cost centre	Complex Type OtherInformation
ComplexType ReturnShipment	Used by: ReturnShipmentInformation/ReturnShipment, CreateShipmentRequest/Shipment, ValidateShipmentRequest/Shipment	
SenderInformation	Address information for the shipment sender	Complex Type SenderInformation
ReceiverInformation	Address information for the shipment receiver	Complex Type ReceiverInformation
PackageInformation	Package Details	Complex Type PackageInformation

Input

Field Name	Description	Allowed Value
PaymentInformation	Payment Information	Complex Type PaymentInformation
PickupInformation	Pickup Information	Complex Type PickupInformation
NotificationInformation	Notification details	Complex Type NotificationInformation
TrackingReferenceInformation	Reference Fields for tracking reference	Complex Type TrackingReferenceInformation
OtherInformation	Special Instructions for delivery, and cost centre	Complex Type OtherInformation
PrinterType	<p>Required.</p> <p>Sets the document type flag for either documents to be printed on a thermal printer, or documents to be printed on a laser printer.</p>	<p>Enumeration:</p> <ul style="list-style-type: none"> • Thermal • Regular
ComplexType SenderInformation	Used by: Shipment/SenderInformation , SenderInformation	
Address	Address details	ComplexType Address
TaxNumber	Optional. Number for tax purposes	String Alpha numeric Maximum character length 11
ComplexType ReceiverInformation	Used by: Shipment/ReceiverInformation , ReceiverInformation	
Address	Address details	ComplexType Address
TaxNumber	Optional. Number for tax purposes	Alpha numeric
ComplexType FromOnLabelInformation	Used by: Shipment/FromOnLabelInformation , FromOnLabelInformation	
Address	Address details	ComplexType Address
ComplexType Address	Used by: Address SenderInformation , Address ReceiverInformation , Address , BuyerInformation , Address OptionsInformation , ExpressChequeAddress	
Name	Required. Name Information	String Alpha Numeric Maximum character length: 30
Company	Optional. Company Information	String Alpha Numeric Maximum character length: 30

Input

Field Name	Description	Allowed Value
Department	Optional. Department Information	String Alpha Numeric Maximum character length: 20
StreetNumber	Required* **. Street address number *Optional for US/International shipments. **Optional for ReceiverInformation	String Alpha Numeric Maximum character length: 6
StreetSuffix	Optional. Street Address Suffix	Enumeration See Street Suffix list
StreetName	Required. Street Name	String Alpha Numeric Maximum character length: Variable* * The Maximum character length varies when used in conjunction with different Complex Types. The maximum character lengths for the different Complex Types are as follows : SenderInformation : 30 ReceiverInformation : 35 BuyerInformation : 25
StreetType	Optional. Street Type	Enumeration. See Street Type list
StreetDirection	Optional. Street Direction	Enumeration: See Street Direction list
Suite	Optional. Suite Number	String Alpha Numeric Maximum character length 6
Floor	Optional. Floor Number	String Alpha Numeric Maximum character length 3
StreetAddress2	Optional. Address information line 2	String Alpha Numeric Maximum character length 25
StreetAddress3	Optional. Address information line 3	String Alpha Numeric Maximum character length 25
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required*. Province/State * Should be blank for international shipments.	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List

Input

Field Name	Description	Allowed Value
PostalCode	Required. Postal/Zip Code	Canadian Postal Code or USA Zip Code.
PhoneNumber	Optional.* Phone number *Required for Rural Routes, Suburban Service and General Delivery Addresses.	Complex Type PhoneNumber
FaxNumber	Fax Number	Complex Type PhoneNumber
ComplexType PhoneNumber	Used by: Address/FaxNumber , Address/PhoneNumber , PhoneNumber	
CountryCode	Country Code	String. Numeric
AreaCode	Area Code	String. Numeric
Phone	Phone Number	String. Numeric
Extension	Extension	String. Numeric
ComplexType PackageInformation	Used by: Shipment/PackageInformation , PackageInformation	
ServiceID	Required. Purolator Service selector.	Enumeration; See the Product List
Description	Required. Description of contents	String.
TotalWeight	Required. Total Weight	Complex Type TotalWeight
TotalPieces	Required. Total number of Pieces	Integer
PiecesInformation		Complex Type PiecesInformation
DangerousGoodsDeclaration	Optional. Generate declaration for Dangerous Goods	Enumeration: <ul style="list-style-type: none"> • True • false
OptionsInformation		
ComplexType TotalWeight	Used by: PackageInformation/TotalWeight , Piece/Weight , Weight	
Value	Required. Weight	Numeric
WeightUnit	Required. Unit of measurement	"lb" for pounds or "kg" for kilogram
ComplexType PiecesInformation	Used by: Shipment/PackageInformation	
ArrayOfPiece	Optional. Array used for single or multiple piece information.	Complex Type ArrayOfPiece

Input

Field Name	Description	Allowed Value
ComplexType ArrayOfPiece	Used by: ArrayOfPiece, PackageInformation/PiecesInformation	
Piece	Optional. (Required if submitting individual piece information) Piece information including weight and dimensions.	Complex Type Piece
ComplexType Piece	Used by: ArrayOfPiece/Piece, Piece	
Weight	Package weight.	Complex Type Weight
Length	Package length.	Complex Type Length
Width	Package width	Complex Type Width
Height	Package Height	Complex Type Height
Options		Complex Type Options
ComplexType Weight	Used by: ArrayOfPiece/Piece	
Value	Required. Weight Value	Decimal. Numeric.
WeightUnit	Required. Unit of measure	Enumeration. <ul style="list-style-type: none"> • lb • kg
ComplexType Dimension	Used by: Dimension, Piece/Height, Piece/Length, Piece/Width	
Value	Required if entering Dimensional information.	Decimal. Numeric
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none"> • "in" for inch • "cm" for centimetres
ComplexType Width	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none"> • "in" for inch • "cm" for centimetres

Input		
Field Name	Description	Allowed Value
ComplexType Height	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: <ul style="list-style-type: none">• "in" for inch• "cm" for centimetres
ComplexType Options	Used by: ArrayOfPiece/Piece, Piece	
<u>ArrayOfOptionIDValuePair</u>	The ArrayOfOptionIDValuePair field is used by both the shipment element, and the piece element. This array is used to input a single or multiple characteristics to the piece and/or shipment level.	Complex Type <u>ArrayOfOptionIDValuePair</u>
ComplexType ArrayOfOptionIDValuePair	Used by: Piece/Options, OptionsInformation/Options	
<u>OptionIDValuePair</u>	The OptionIDValuePair field is used by both the shipment element, and the piece element. These fields are used to input piece/shipment characteristics such as but not limited to Special Handling and Dangerous Goods.	Complex Type <u>OptionIDValuePair</u>
ComplexType OptionIDValuePair	Used by: ArrayOfOptionIDValuePair/OptionIDValuePair, OptionIDValuePair	
ID	Required. (optional if at Piece level) Characteristic name	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to the following: <u>Piece level Characteristics</u> <u>Shipment Level Characteristics</u>
Value	Required when sending OptionIDValuePair. Allowed value for Characteristic ID.	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to <u>Piece level Characteristics</u> <u>Shipment Level Characteristics</u>

Input		
Field Name	Description	Allowed Value
ComplexType OptionsInformation	Used by: PackageInformation/OptionsInformation, OptionsInformation	
Options		Complex Type OptionIDValuePair
ExpressChequeAddress	Required if sending ExpressCheque. Address for ExpressCheque return shipment.	Complex Type Address
ComplexType InternationalInformation	Used by: InternationalInformation, Shipment/InternationalInformation	
ContentDetails	Required if sending International shipment. Details of shipment for customs.	Complex Type ContentDetail
BuyerInformation	Optional. Information of buyer.	Complex Type BuyerInformation
PreferredCustomsBroker	Optional	String. When preparing ground shipments to the United States please enter a valid Broker Name. Please click here for the list of valid Purolator US ground shipment Broker Names.
DutyInformation	Required if sending International shipment.	Complex Type DutyInformation
DocumentsOnlyIndicator	Optional. Indicates documents only. If selected, no other international information is required.	Boolean true, false
ImportExportType	Required if sending International shipment.	Enumeration: <ul style="list-style-type: none">• Permanent• Temporary• Repair• Return
CustomsInvoiceDocumentIndicator	Required if sending International shipment.	Boolean true, false
ComplexType ArrayOfContentDetails	Used by: InternationalInformation, Shipment/InternationalInformation	
ContentDetail		

Input

Field Name	Description	Allowed Value
ComplexType ContentDetail	Used by: ArrayOfContentDetails, InternationalInformation, Shipment/InternationalInformation	
Description	Required if sending US/International shipment, and not Documents only. Description of contents.	String
HarmonizedCode	Required if sending US/International shipment, and not Documents only. Harmonized code for item.	String
CountryOfManufacture	Required if sending US/International shipment, and not Documents only. Country of manufacture of item.	String
ProductCode	Required if sending US/International shipment, and not Documents only. Products code of item.	String
UnitValue	Required if sending US/International shipment, and not Documents only. Unit Value of item.	String
Quantity	Required if sending US/International shipment, and not Documents only. Quantity of item.	Int
NAFTADocumentIndicator	Required if sending US/International shipment, and not Documents only. Indicator to generate NAFTA documentation.	String
TextileIndicator	Optional. Required if sending textile products to the U.S.	Boolean true, false
TextileManufacturer	Required if TextileIndicator is set to true.	String Max. 250 characters
FCCDocumentIndicator	Required if sending US/International shipment, and not Documents only.	String
SenderIsProducerIndicator	Required if sending US/International shipment, and not Documents only.	String

Input

Field Name	Description	Allowed Value
ComplexType BuyerInformation	Used by: ArrayOfContentDetails, InternationalInformation, Shipment/InternationalInformation	
Address	Buyer Address	Complex Type Address
TaxNumber	Optional. Tax Number	String Alpha Numeric
ComplexType DutyInformation	Used by: DutyInformation, InternationalInformation/DutyInformation	
BillDutiesToParty	Optional (required if sending US/Intl shipment) Specifies where duty charges (if any) should be billed to.	Enumeration: <ul style="list-style-type: none">• Sender• Receiver• Buyer
BusinessRelationship	Optional (required if sending US/Intl shipment) Relationship of company/person that duty is charged to.	Enumeration: <ul style="list-style-type: none">• Related• NotRelated
DutyCurrency	Optional (required if sending US/Intl shipment) Currency of duty.	Enumeration: <ul style="list-style-type: none">• CAD• USD
ComplexType ReturnShipmentInformation	Used by: Shipment/ReturnShipmentInformation, ReturnShipmentInformation	
NumberOfReturnShipments	Optional. Number of Return Shipments to generate for current Shipment.	String Numeric.
ReturnShipment	Return Shipment Information	Complex Type ReturnShipment
ComplexType PaymentInformation	Used by: Shipment/PaymentInformation, PaymentInformation	
PaymentType	Required. Specifies where shipping charges should be billed to.	Enumeration: <ul style="list-style-type: none">• Sender• Receiver• ThirdParty• CreditCard
SenderAccountNumber	Required. Sender's account number	String. Numeric
BillingAccountNumber	Required. Account number of type specified in PaymentType field.	String. Numeric
CreditCardInformation		Complex Type CreditCardInformation

Input

Field Name	Description	Allowed Value
ComplexType CreditCardInformation	Used by: PaymentInformation	
CreditCardType	Required if paying by Credit Card. Credit Card Type	Enumeration: <ul style="list-style-type: none">• Visa• Mastercard• AmericanExpress
Number	Required if paying by Credit Card. Credit Card Number	String. Numeric
Name	Required if paying by Credit Card. Name on Credit Card	String. Alpha Numeric
ExpiryMonth	Required if paying by Credit Card. Expiry month of Credit Card	String. Numeric MM
ExpiryYear	Required if paying by Credit Card. Expiry Year of Credit Card	String. Numeric YYYY
CVV	Card Verification Value Code. Usually a 3 digit code provided by the Credit Card Issuer.	String. Numeric
BillingPostalCode	Billing Postal Code of the credit card	String.
ComplexType PickupInformation	Used by: Shipment/PickupInformation, PickupInformation	
PickupType	Required. Pickup options. Note. Pickups are not offered through web services at this time.	Enumeration: <ul style="list-style-type: none">• DropOff• PreScheduled
ComplexType NotificationInformation	Used by: NotificationInformation, Shipment/NotificationInformation	
ConfirmationEmailAddress	Required. Email address which will receive the shipment confirmation email.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationEmailAddress1	Optional. Email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationEmailAddress2	Optional. Additional email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationMessage	Optional. Additional email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx

Input		
Field Name	Description	Allowed Value
ComplexType TrackingReferenceInformation	Used by: Shipment	
ProofOfPickUpScanDetails		
ComplexType ProofOfPickUpScanDetails	Used by: Shipment/TrackingReferenceInformation, ProofOfPickUpScanDetails	
Reference1	Optional.	String. Alpha Numeric.
Reference2	Optional.	String. Alpha Numeric.
Reference3	Optional.	String. Alpha Numeric.
Reference4	Optional.	String. Alpha Numeric.
ComplexType OtherInformation	Used by: Shipment/OtherInformation, OtherInformation	
CostCentre	Optional. Cost Centre (invoice reference) If you wish to enter an invoice reference that is more than 15 characters, please leave the Cost Centre field blank, and enter your value in the Reference 1 field.	String. Alpha Numeric. Maximum character length: 15
SpecialInstructions	Optional. Special Instructions for delivery.	String. Alpha Numeric. Maximum character length: 30
Element Type VoidShipmentRequest		
PIN	Required. PIN of shipment to be voided.	String. Alpha Numeric.
Element Type ValidateShipmentRequest		
Shipment	Required. Sends a shipment request, but only validates the information without committing the shipment.	Complex Type Shipment

Input		
Field Name	Description	Allowed Value
Element Type ConsolidateRequest	An empty request is all that is required.	

3.23 Returns Management Web Services

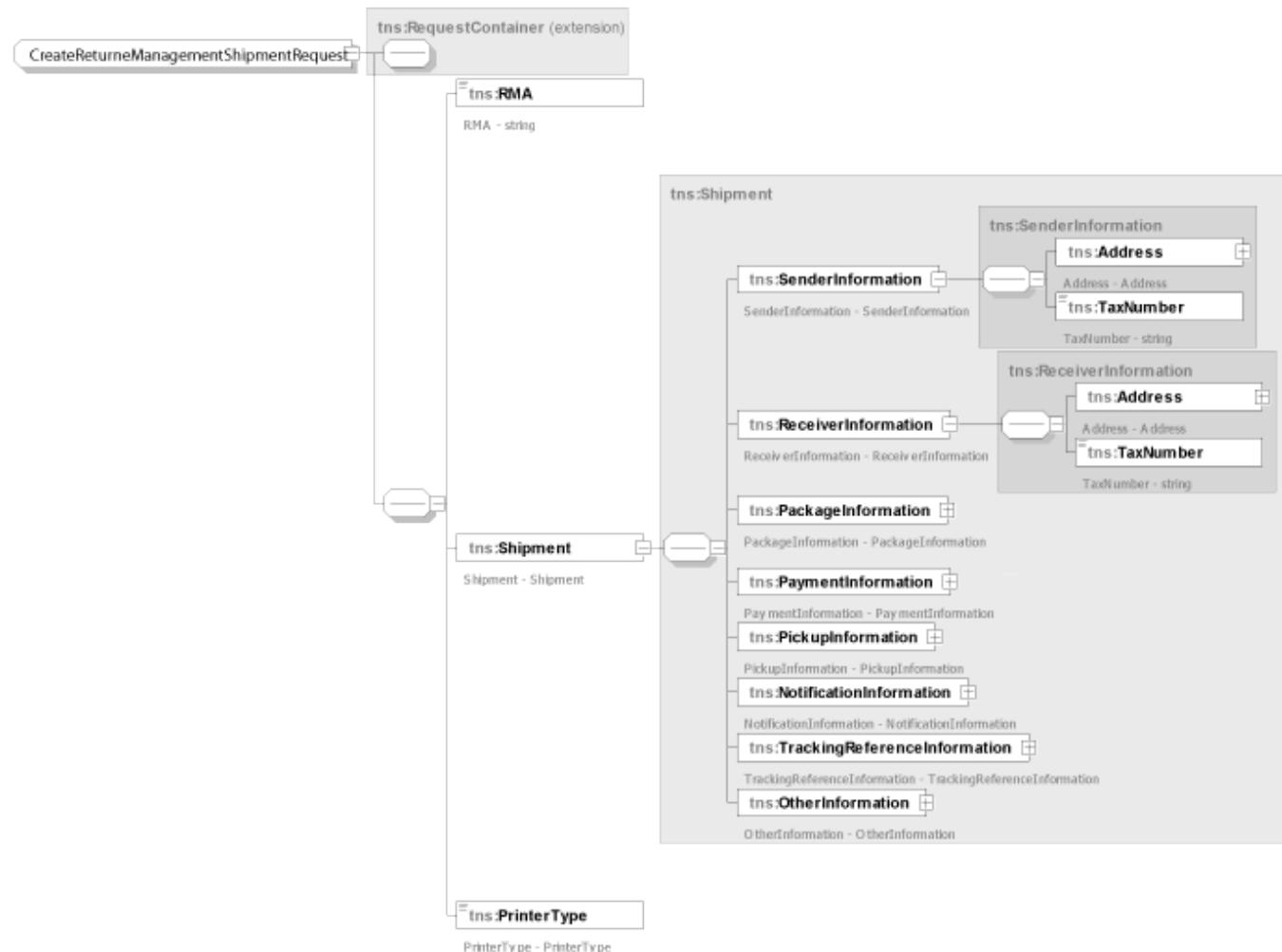
3.23.1 Service Methods and Objects: request/response XML schema

The following section will highlight the various methods associated with the Returns Management Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.23.1.1 Request Diagrams – Create Return Management Shipment Request

The CreateReturnsManagementShipment Method is used to create Returns Management shipments using Purolator E-SHIP Commercial Web Services. The diagrams below show the objects contained within the shipment request.

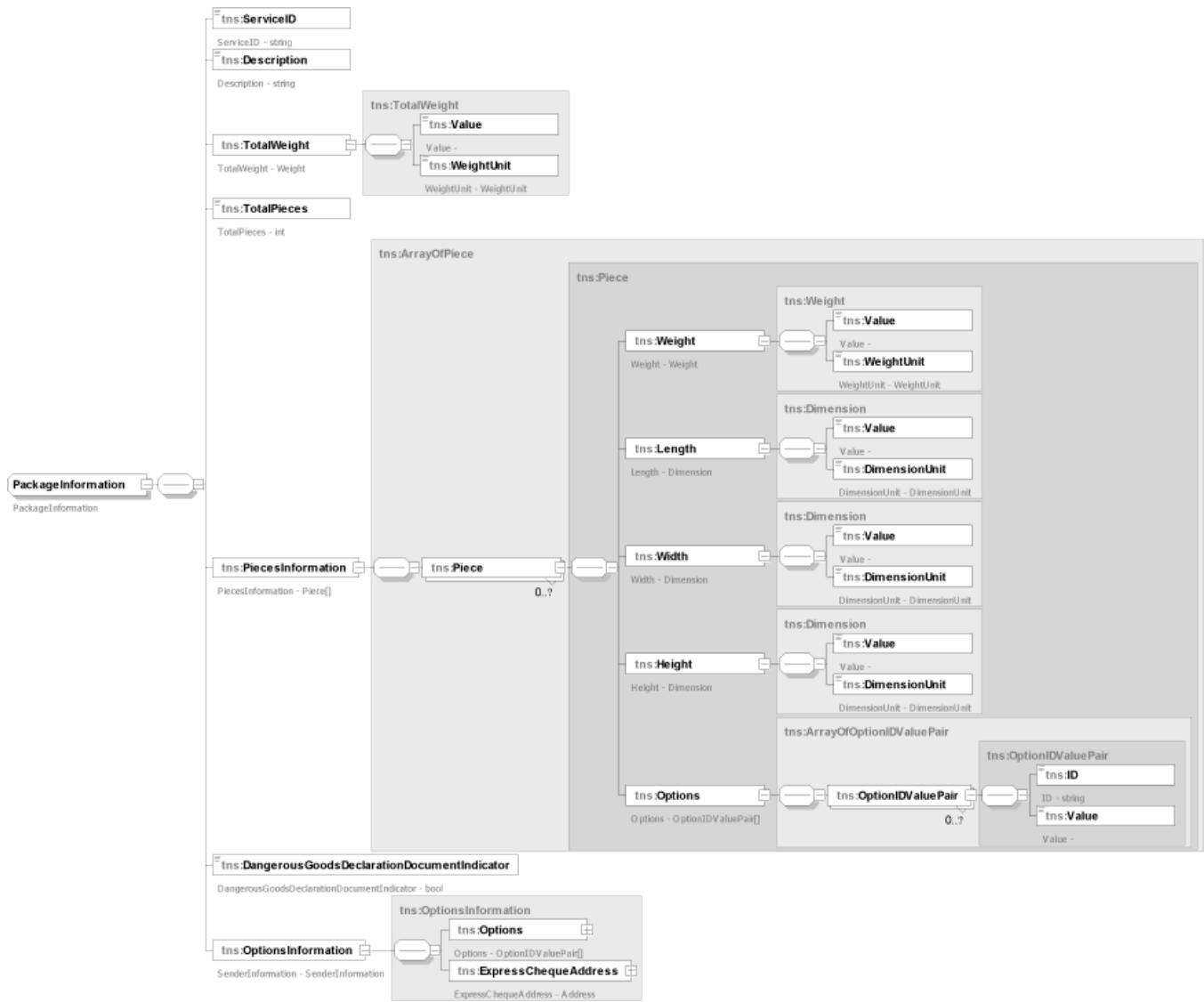
Please note that outbound returns are created using the Shipment Web Service and shipping labels for Returns Management are created using the Get Documents Web Service. Both these services are documented in separate technical specifications available at www.purolator.com/eship/documentation.



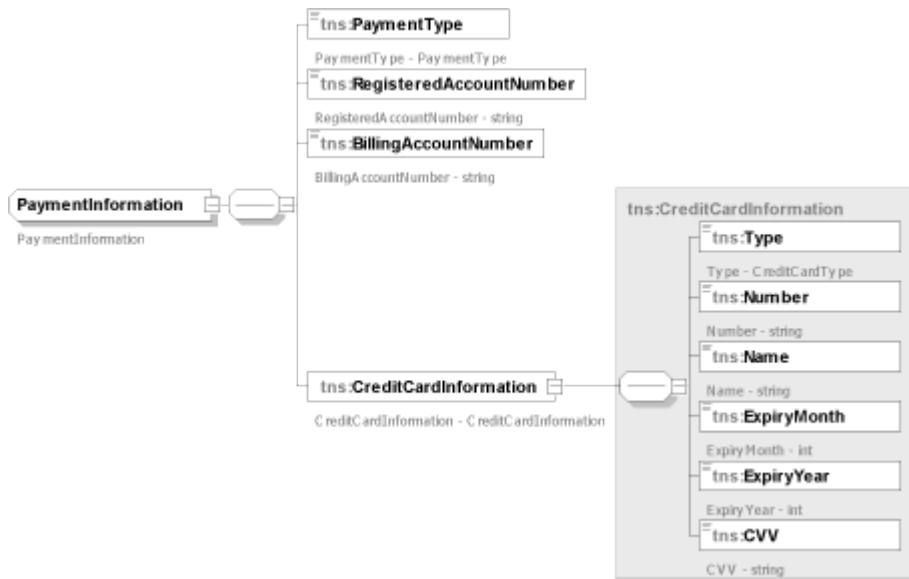
3.23.1.2 Request Diagrams –Shipment Address



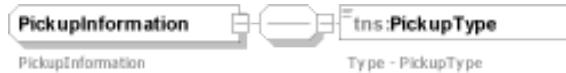
3.23.1.3 Request Diagrams –Shipment – Package Information



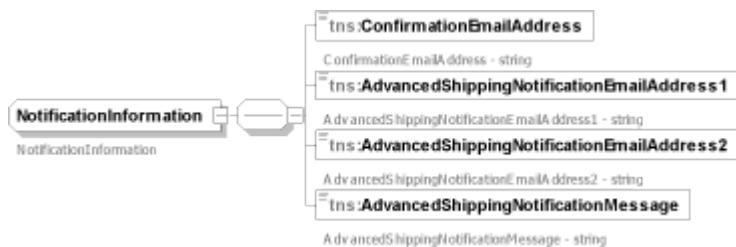
3.23.1.4 Request Diagrams –Shipment – Payment Information



3.23.1.5 Request Diagrams –Shipment – Pickup Information



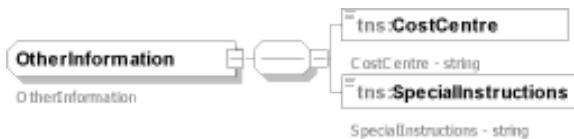
3.23.1.6 Request Diagrams –Shipment – Notification Information



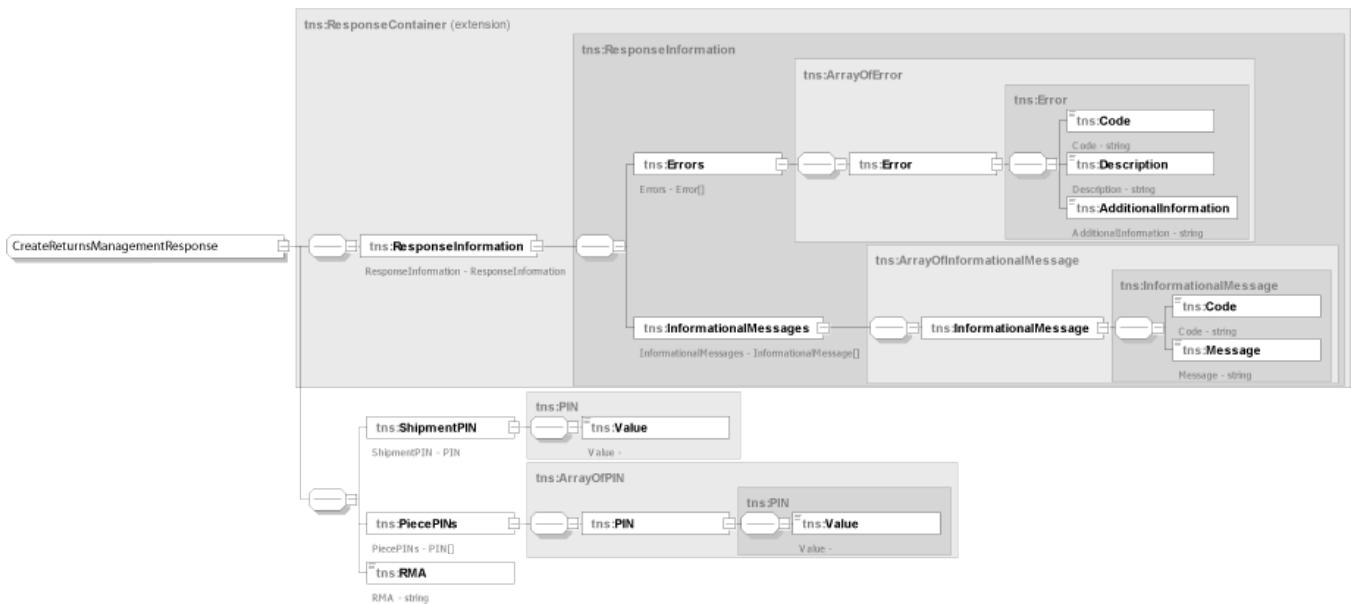
3.23.1.7 Request Diagrams –Shipment – Tracking Reference Information



3.23.1.8 Request Diagrams –Shipment – Order Information



3.23.1.9 Response Diagrams – Create Returns Management Shipment



3.23.2 Complete Field List

Elements

[Address](#) | [ArrayOfContentDetail](#) | [ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [ArrayOfOptionIDValuePair](#) | [ArrayOfPiece](#) | [ArrayOfPIN](#) | [BillDutiesToParty](#) | [BusinessRelationship](#) | [BuyerInformation](#) | [ContentDetail](#) | [CreateShipmentRequestContainer](#) | [CreateShipmentResponse](#) | [CreditCardInformation](#) | [CreditCardType](#) | [Dimension](#) | [DimensionUnit](#) | [DutyCurrency](#) | [DutyInformation](#) | [Error](#) | [ImportExportType](#) | [InformationalMessage](#) | [NotificationInformation](#) | [OptionIDValuePair](#) | [OptionsInformation](#) | [OtherInformation](#) | [PackageInformation](#) | [PaymentInformation](#) | [PaymentType](#) | [PhoneNumber](#) | [PickupInformation](#) | [PickupType](#) | [PiecesInformation](#) | [Piece](#) | [PIN](#) | [ProofOfPickUpScanDetails](#) | [ReceiverInformation](#) | [RequestContext](#) | [ResponseInformation](#) | [ReturnShipmentInformation](#) | [SenderIdInformation](#) | [Shipment](#) | [ValidateShipmentRequest](#) | [ValidateShipmentResponse](#) | [VoidShipmentRequest](#) | [VoidShipmentResponse](#) | [Weight](#) | [WeightUnit](#)

Input

Field Name	Description	Allowed Value
<code>ComplexType</code> <code>RequestContext</code>	Used by: <code>RequestContext</code>	
<code>Version</code>	Version Number of the Web Service Request.	1.0, 1.1 or 1.2(Currently)

Input

Field Name	Description	Allowed Value
Language	Used to define the Language of the Response text.	Enumeration. en fr
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType CreateReturnsManagementShipmentRequestContainer	Used by: ReturnsManagementShipmentInformation/ReturnsManagementShipment, CreateShipmentRequest/Shipment, ValidateShipmentRequest/Shipment	
Shipment	Address information for the shipment sender	Complex Type Shipment
ComplexType Shipment	Used by: ReturnsManagementShipmentInformation/ReturnsManagementShipment, CreateShipmentRequest/Shipment, ValidateShipmentRequest/Shipment	
SenderInformation	Address information for the shipment sender	Complex Type SenderInformation
ReceiverInformation	Address information for the shipment receiver	Complex Type ReceiverInformation
PackageInformation	Package Details	Complex Type PackageInformation
PaymentInformation	Payment Information	Complex Type PaymentInformation
PickupInformation	Pickup Information	Complex Type PickupInformation
NotificationInformation	Notification details	Complex Type NotificationInformation
TrackingReferenceInformation	Reference Fields for tracking reference	Complex Type TrackingReferenceInformation
OtherInformation	Special Instructions for delivery, and cost centre Optional.	Complex Type OtherInformation
RMA	RMA number. If not supplied, the application will auto-generate an RMA number. Required.	String Alpha numeric
PrinterType	Sets the document type flag for either documents to be printed on a thermal printer, or documents to be printed on a laser printer.	Enumeration: Thermal Regular
ComplexType SenderInformation	Used by: Shipment/SenderInformation, SenderInformation	

Input

Field Name	Description	Allowed Value
Address	Address details	ComplexType Address String Alpha numeric Maximum character length 11
TaxNumber	Optional. Number for tax purposes	
ComplexType ReceiverInformation	Used by: Shipment/ReceiverInformation , ReceiverInformation	
Address	Address details	ComplexType Address
TaxNumber	Optional. Number for tax purposes	Alpha numeric
ComplexType Address	Used by: Address SenderInformation , Address ReceiverInformation , Address , BuyerInformation , Address OptionsInformation , ExpressChequeAddress	
Name	Required. Name Information	String Alpha Numeric Maximum character length: 30
Company	Optional. Company Information	String Alpha Numeric Maximum character length: 30
Department	Optional. Department Information	String Alpha Numeric Maximum character length: 20
StreetNumber	Required*. Street address number * Optional for ReceiverInformation	String Alpha Numeric Maximum character length: 6
StreetSuffix	Optional. Street Address Suffix	Enumeration See Street Suffix list String Alpha Numeric Maximum character length: Variable* * The Maximum character length varies when used in conjunction with different Complex Types. The maximum character lengths for the different Complex Types are as follows : SenderInformation : 30 ReceiverInformation : 35 BuyerInformation : 25
StreetName	Required. Street Name	Enumeration. See Street Type list String Alpha Numeric Maximum character length 6
StreetType	Optional. Street Type	Enumeration. See Street Type list String Alpha Numeric Maximum character length 3
StreetDirection	Optional. Street Direction	Enumeration: See Street Direction list String Alpha Numeric Maximum character length 25
Suite	Optional. Suite Number	String Alpha Numeric Maximum character length 6
Floor	Optional. Floor Number	String Alpha Numeric Maximum character length 3
StreetAddress2	Optional. Address information line 2	String Alpha Numeric Maximum character length 25

Input

Field Name	Description	Allowed Value
StreetAddress3	Optional. Address information line 3	String Alpha Numeric Maximum character length 25
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required. Province/State	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List
PostalCode	Required. Postal/Zip Code	
PhoneNumber	Phone number	Complex Type PhoneNumber
FaxNumber	Fax Number	Complex Type PhoneNumber
ComplexType	Used by:	
PhoneNumber	Address/FaxNumber, Address/PhoneNumber, PhoneNumber	
CountryCode	Country Code	String. Numeric
AreaCode	Area Code	String. Numeric
Phone	Phone Number	String. Numeric
Extension	Extension	String. Numeric
ComplexType	Used by:	
PackageInformation	Shipment/PackageInformation, PackageInformation	
ServiceID	Required. Purolator Service selector.	Enumeration; See the Product List
Description	Required. Description of contents	String.
TotalWeight	Required. Total Weight	Complex Type TotalWeight
TotalPieces	Required. Total number of Pieces	
PiecesInformation		Complex Type PiecesInformation
DangerousGoodsDeclaration	Optional. Generate declaration for Dangerous Goods	Enumeration: True false
OptionsInformation		
ComplexType	Used by:	
TotalWeight	PackageInformation/TotalWeight, Piece/Weight, Weight	
Value	Required. Weight	Numeric
WeightUnit	Required. Unit of measurement	"lb" for pounds or "kg" for kilogram
ComplexType	Used by:	
PiecesInformation	Shipment/PackageInformation	

Input

Field Name	Description	Allowed Value
ArrayOfPiece	Optional. Array used for single or multiple piece information.	Complex Type ArrayOfPiece
ComplexType ArrayOfPiece	Used by: ArrayOfPiece , PackageInformation/PiecesInformation	
Piece	Optional. (Required if submitting individual piece information) Piece information including weight and dimensions.	Complex Type Piece
ComplexType Piece	Used by: ArrayOfPiece/Piece , Piece	
Weight	Package weight.	Complex Type Weight
Length	Package length.	Complex Type Length
Width	Package width	Complex Type Width
Height	Package Height	Complex Type Height
Options		Complex Type Options
ComplexType Weight	Used by: ArrayOfPiece/Piece	
Value	Required. Weight Value	Decimal. Numeric.
WeightUnit	Required. Unit of measure	Enumeration. lb kg
ComplexType Dimension	Used by: Dimension , Piece/Height , Piece/Length , Piece/Width	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: "in" for inch "cm" for centimetres
ComplexType Width	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: "in" for inch "cm" for centimetres
ComplexType Height	Used by: ArrayOfPiece/Piece	
Value	Required if entering Dimensional information.	Decimal. Numeric.
DimensionUnit	Required. Unit of measure for dimensional information	Enumeration: "in" for inch "cm" for centimetres
ComplexType Options	Used by: ArrayOfPiece/Piece , Piece	

Input

Field Name	Description	Allowed Value
ArrayOfOptionIDValuePair	The ArrayOfOptionIDValuePair field is used by both the shipment element, and the piece element. This array is used to input a single or multiple characteristics to the piece and/or shipment level.	Complex Type ArrayOfOptionIDValuePair
ComplexType ArrayOfOptionIDValuePair	Used by: Piece/Options, OptionsInformation/Options	
OptionIDValuePair	The OptionIDValuePair field is used by both the shipment element, and the piece element. These fields are used to input piece/shipment characteristics such as but not limited to Special Handling and Dangerous Goods.	Complex Type OptionIDValuePair
ComplexType OptionIDValuePair	Used by: ArrayOfOptionIDValuePair/OptionIDValuePair, OptionIDValuePair	
ID	Required. (optional if at Piece level) Characteristic name	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to the following: Piece level Characteristics Shipment Level Characteristics
Value	Required when sending OptionIDValuePair. Allowed value for Characteristic ID.	For a list of allowed values, as well as the rules surrounding the option pairings, please refer to Piece level Characteristics Shipment Level Characteristics
ComplexType OptionsInformation	Used by: PackageInformation/OptionsInformation, OptionsInformation	
Options		Complex Type OptionIDValuePair
ExpressChequeAddress	Required if sending ExpressCheque. Address for ExpressCheque return shipment.	Complex Type Address
ComplexType PaymentInformation	Used by: Shipment/PaymentInformation, PaymentInformation	
PaymentType	Required. Specifies where shipping charges should be billed to.	Enumeration: Sender Receiver ThirdParty CreditCard
SenderAccountNumber	Required. Sender's account number	String.
BillingAccountNumber	Required. Account number of type specified in PaymentType field.	Numeric
CreditCardInformation		Complex Type CreditCardInformation
ComplexType CreditCardInformation	Used by: PaymentInformation	

Input

Field Name	Description	Allowed Value
CreditCardType	Required if paying by Credit Card. Credit Card Type	Enumeration: Visa Mastercard AmericanExpress
Number	Required if paying by Credit Card. Credit Card Number	String. Numeric
Name	Required if paying by Credit Card. Name on Credit Card	String. Alpha Numeric
ExpiryMonth	Required if paying by Credit Card. Expiry month of Credit Card	String. Numeric MM
ExpiryYear	Required if paying by Credit Card. Expiry Year of Credit Card	String. Numeric YYYY
CVV	Card Verification Value Code. Usually a 3 digit code provided by the Credit Card Issuer.	String. Numeric
ComplexType PickupInformation	Used by: Shipment/PickupInformation, PickupInformation	
PickupType	Required. Pickup options. Note. Pickups are not offered through web services at this time.	Enumeration: DropOff PreScheduled
ComplexType NotificationInformation	Used by: NotificationInformation, Shipment/NotificationInformation	
ConfirmationEmailAddress	Required. Email address which will receive the shipment confirmation email.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationEmailAddress1	Optional. Email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationEmailAddress2	Optional. Additional email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx
AdvancedShippingNotificationMessage	Optional. Additional email address which will receive the advanced shipment notification.	String Valid email address format. xxx@xxxx.xxx
ComplexType TrackingReferenceInformation	Used by: Shipment	
ProofOfPickUpScanDetails		
ComplexType ProofOfPickUpScanDetails	Used by: Shipment/TrackingReferenceInformation, ProofOfPickUpScanDetails	
Reference1	Optional.	String. Alpha Numeric.
Reference2	Optional.	String. Alpha Numeric.
Reference3	Optional.	String. Alpha Numeric.

Input

Field Name	Description	Allowed Value
Reference4	Optional.	String. Alpha Numeric.
ComplexType OtherInformation	Used by: Shipment/OtherInformation, OtherInformation	
CostCentre	Optional. Cost Centre (invoice reference)	String. Alpha Numeric. Maximum character length: 15
SpecialInstructions	Optional. Special Instructions for delivery.	String. Alpha Numeric. Maximum character length: 30
Element Type VoidShipmentRequest		
PIN	Required. PIN of shipment to be voided.	String. Alpha Numeric.
Element Type ValidateShipmentRequest		
Shipment	Required. Sends a shipment request, but only validates the information without committing the shipment.	Complex Type Shipment

Output

Field Name	Description	Output Values
Element CreateReturnsManagementShipmentResponse		
ShipmentPIN	Shipment PIN	String. Alpha Numeric.
PiecePINs	Array of Pins	Array of Alpha Numeric Strings
ReturnShipmentPINs	Array of Returns PINs	Array of Alpha Numeric Strings
Element ResponseInformation	Used by: ResponseInformation	
ResponseReference		
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages	Additional Information Messages regarding the response.	Complex Type ArrayOfInformationalMessages
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	

Output

Field Name	Description	Output Values
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	
Description AdditionalInformation	Error Description Additional error information Used by: ArrayOfInformationalMessage, ResponseInformation/Informational Messages	String. Alpha Numeric. String. Alpha Numeric.
InformationalMessage		An array of Informational Messages as part of a response to a service request.
Element ArrayOfPIN	Used by: ArrayOfInformationalMessage, ResponseInformation/Informational Messages	
PIN	Shipment PIN	
Element VoidShipmentResponse		
ShipmentVoided		A Boolean value indicating the status of the Void Shipment Request.
Element ValidateShipmentResponse		
ValidShipment		A Boolean value indicating the status of the Shipment for a Validation Request.
ShipmentPIN	Shipment PIN	String. Alpha Numeric.

3.24 Get Documents Web Services

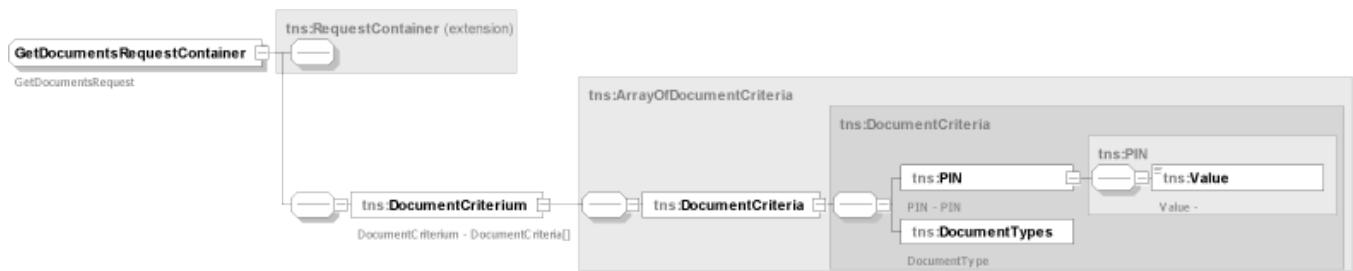
3.24.1 Service Methods and Objects: request/response XML schema

The following section will highlight the various methods associated with the GetDocuments Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

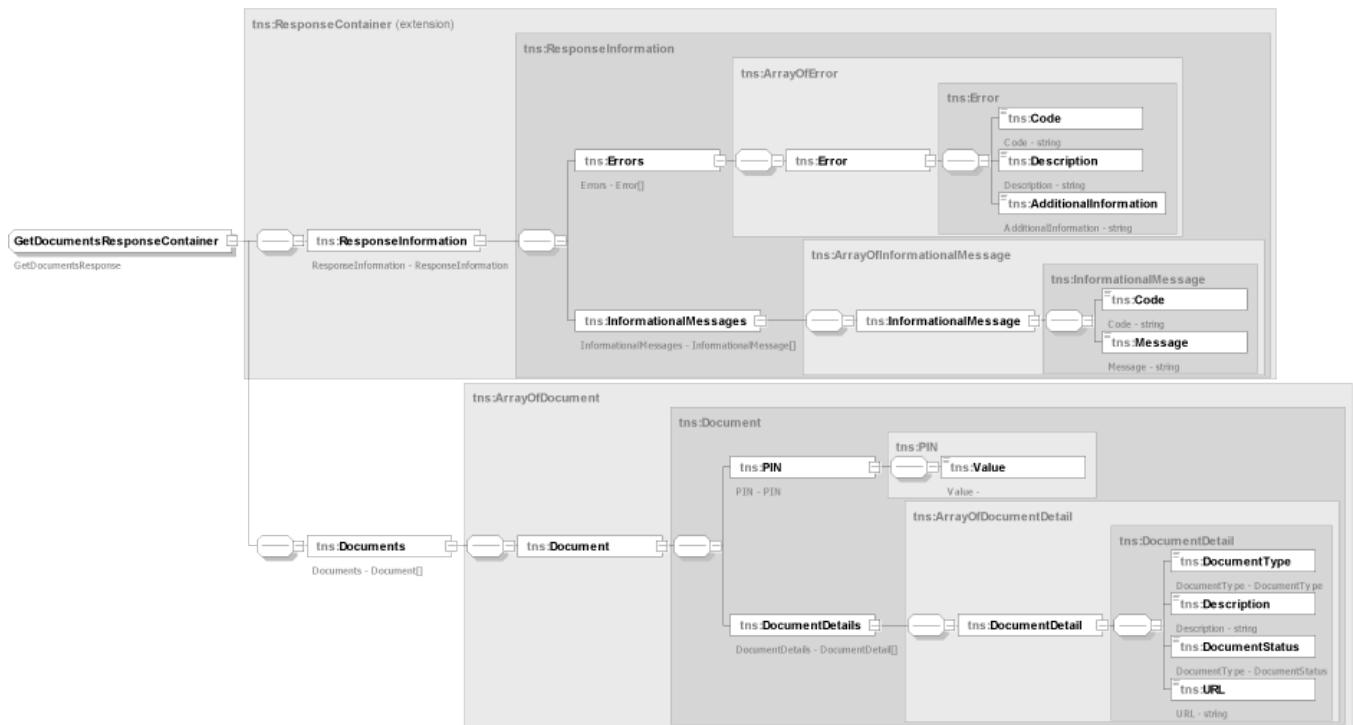
3.24.1.1 Request Diagrams –Get Documents

The GetDocuments Method is used to obtain shipment labels and/ or additional shipping documentation.

Note: The retention period for all shipping documents is same day. If you wish to reprint a shipping document, you must submit another GetDocuments request.



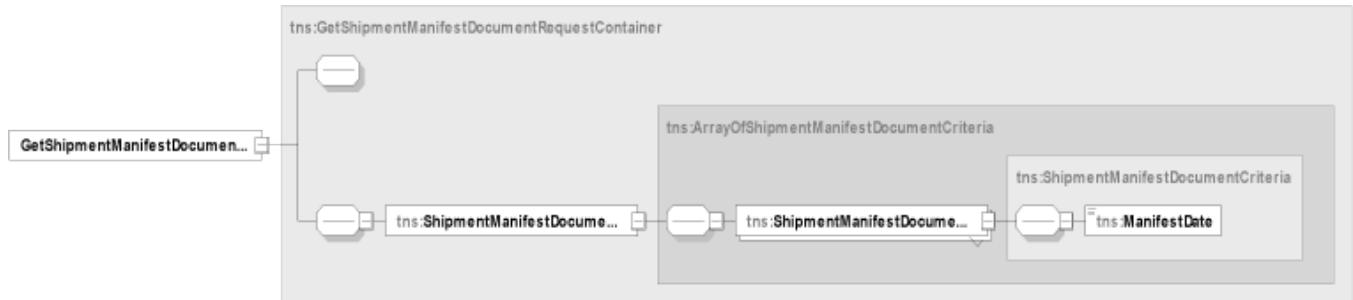
3.24.1.2 Response Diagrams –Get Documents



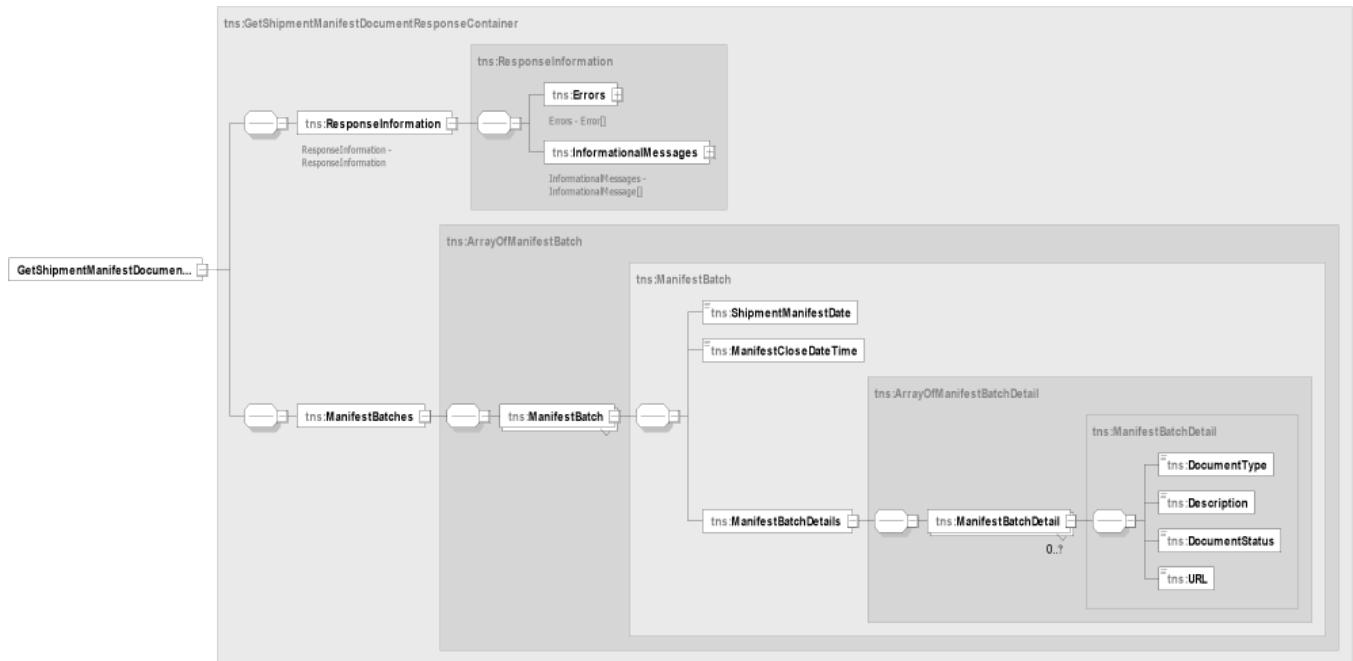
3.24.1.3 Request Diagrams –Get Shipment Manifest Document

The [GetShipmentManifestDocument](#) Method is used to obtain the shipping manifest for the date requested.

Note: The retention period for all shipping documents is same day. If you wish to reprint a shipping document, you must submit another GetShipmentManifestDocument request. Manifests can be reprinted up to 24 months after consolidated date.



3.24.1.4 Request Diagrams –Get Shipment Manifest Document



3.24.2 Complete Field List

Elements

[ArrayOfDocument](#) | [ArrayOfDocumentCriteria](#) | [ArrayOfDocumentDetail](#) | [ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [Document](#) | [DocumentCriteria](#) | [DocumentDetail](#) | [DocumentStatus](#) | [DocumentType](#) | [Error](#) | [GetDocumentsRequestContainer](#) | [GetDocumentsResponseContainer](#) | [GetManifestDocumentRequest](#) | [GetManifestDocumentResponse](#) | [InformationalMessage](#) | [Language](#) | [ManifestBatch](#) | [ManifestBatchDetails](#) | [PIN](#) | [RequestContext](#) | [ResponseContext](#) | [ResponseInformation](#) | [ShipmentManifestDocumentCriteria](#)

Input

Field Name	Description	Output Values
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	1.0, 1.1, 1.2, or 1.3 (Currently)
Language	Used to define the Language of the Response text.	Enumeration. en fr
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType GetDocumentsRequestContainer		
OutputType	Specifies the ouput type of the document for various printing options.	Optional. Default is PDF Enumeration PDF, ZPL, DPL, EPL
Synchronous	When set to true, will return the binary data in the response. False will return a URL. False only applies to PDF.	Optional. Default is false. Boolean
DocumentCriterium		Complex Type DocumentCriterium
ComplexType DocumentCriterium	Used by: GetDocumentsRequestContainer	
ArrayOfDocumentCriteria		Complex Type ArrayOfDocumentCriteria
ComplexType ArrayOfDocumentCriteria	Used by: GetDocumentsRequestContainer/DocumentCriterium	
DocumentCriteria		Complex Type DocumentCriteria
ComplexType DocumentCriteria	Used by: GetDocumentsRequestContainer/DocumentCriterium	
PIN	PIN number for document request.	String Value

Input

Field Name	Description	Output Values
DocumentTypes	Array of document types	Complex Type DocumentType
ComplexType DocumentType	Used by: GetDocumentsRequestContainer/DocumentCriterium	
DocumentType		Enumeration: COSBillOfLading CustomsInvoice CustomsInvoiceThermal DangerousGoodsDeclaration DomesticBillOfLading DomesticBillOfLadingThermal ExpressChequeReceipt ExpressChequeReceiptThermal FCC740 FDA2877 InternationalBillOfLading InternationalBillOfLadingThermal NAFTA
ComplexType GetShipmentManifestDocumentRequest	Used by: GetShipmentManifestDocumentRequestContainer	
ShipmentManifestDocumentCriterium	Array to submit document request.	Complex type ShipmentManifestDocumentCriteria
ComplexType ShipmentManifestDocumentCriteria	Used by: GetShipmentManifestDocumentRequest	
ManifestDate	Required. Date of the shipping date.	Date. Format: YYYY-MM-DD

Output

Field Name	Description	Output Values
Element GetDocumentsResponseContainer		
ResponseInformation		Complex Type ResponseInformation
Documents		Complex Type ArrayOfDocuments
Element ResponseInformation	Used by: ResponseInformation	
ResponseReference		
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages		Complex Type ArrayOfInformationalMessages
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	

Output

Field Name	Description	Output Values
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error , ArrayOfError/Error	
Code	Error Code	
Description	Error Description	
AdditionalInformation	Additional error information	
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage , ResponseInformation/InformationalMessages	
InformationalMessage		
Element ArrayOfPIN	Used by: ArrayOfInformationalMessage , ResponseInformation/InformationalMessages	
PIN	Array of PIN	
Element ArrayOfDocument	Used by: GetDocumentsResponseContainer/Documents	
Document		Complex Type Document
Element Document	Used by: GetDocumentsResponseContainer/Documents	
PIN DocumentDetails		Complex Type PIN Complex Type ArrayOfDocumentDetail
Element PIN	Used by: GetDocumentsResponseContainer/Documents	
Value	PIN number	String
Element ArrayOfDocumentDetail	Used by: GetDocumentsResponseContainer/Documents	
DocumentDetail		Complex Type DocumentDetail
Element DocumentDetail	Used by: GetDocumentsResponseContainer/Documents	
DocumentType Description	Description of document type	Complex Type DocumentType String Enumeration: Pending Queued Processing Completed Error
DocumentStatus	Status of document	

Output

Field Name	Description	Output Values
URL	URL of Documents	String
Data	Contains document binary.	String. Unbound.
ComplexType		
ResponseContext		
ResponseReference		
Element		
GetShipmentManifestDocumentResponse	Used by: GetShipmentManifestDocument	
ResponseInformation		Complex Type ResponseInformation
ManifestBatches		Complex Type ManifestBatches
Element		
ManifestBatches	Used by: GetDocumentsResponseContainer/Documents	
ManifestBatch		Complex Type ManifestBatch
Element		
ManifestBatch	Used by: GetDocumentsResponseContainer/Documents	
ShipmentManifestDate		
ManifestCloseDateTime		
ManifestBatchDetails		Complex Type ArrayOfManifestBatchDetails
Element		
ArrayOfManifestBatchDetails	Used by: GetDocumentsResponseContainer/Documents	
DocumentType		
Description		
DocumentStatus		
URL		

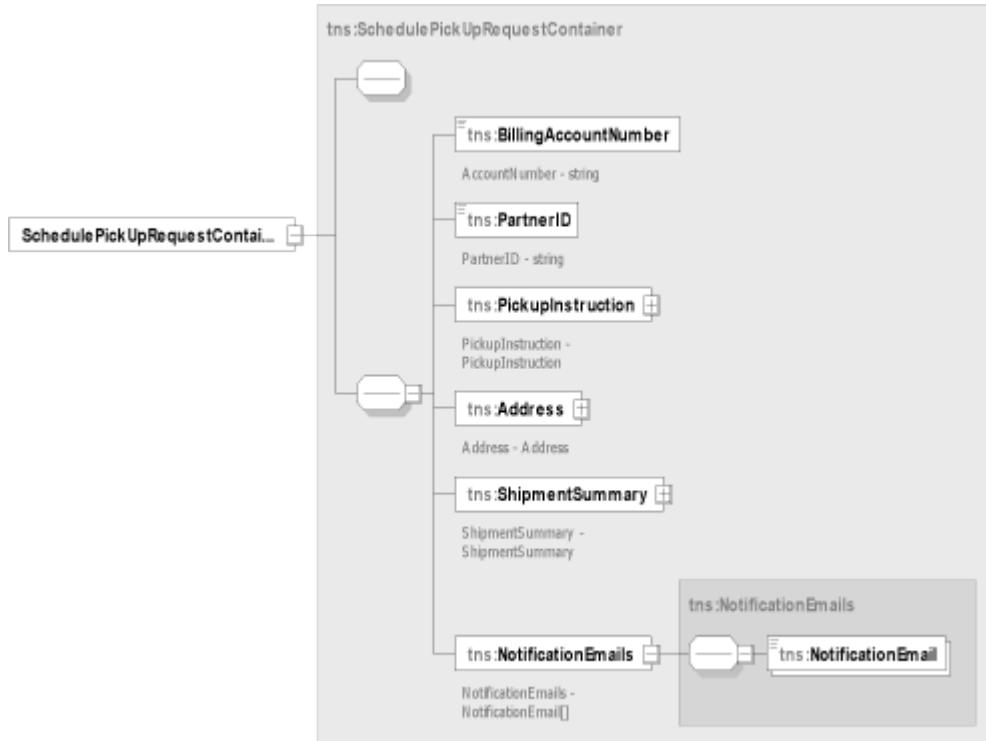
3.25 Pickup Web Services

3.25.1 Service Methods and Objects: request/response XML schema

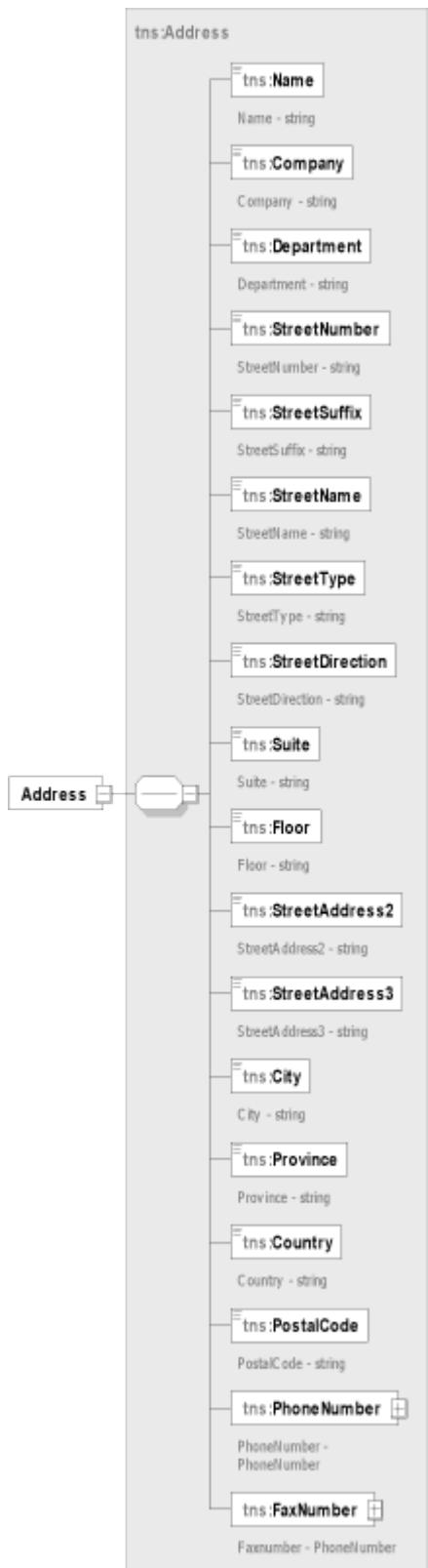
The following section will highlight the various methods associated with the Pickup Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.25.1.1 Request Diagrams –Schedule Pickup

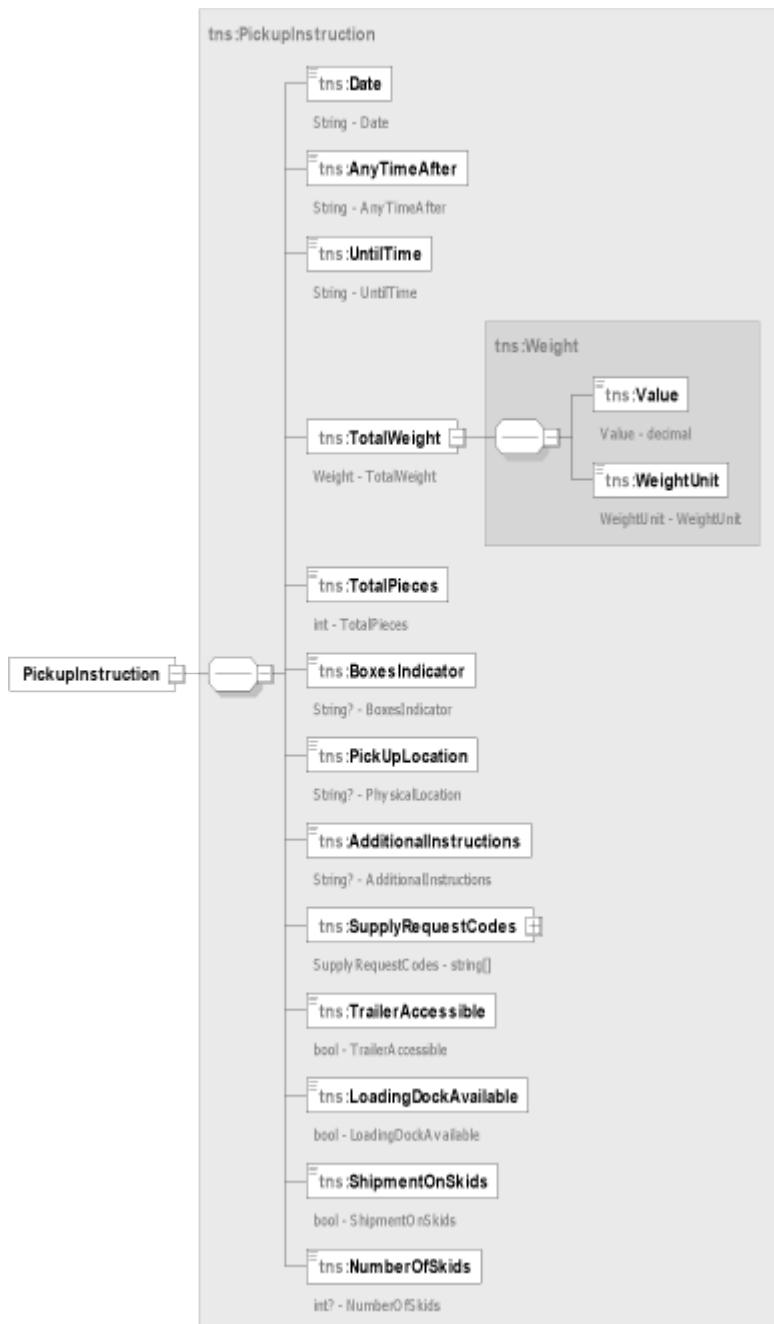
The SchedulePickup Method is used to schedule pickups using Purolator E-Ship Commercial Web Services. The diagrams below show the objects contained within the pickup request.



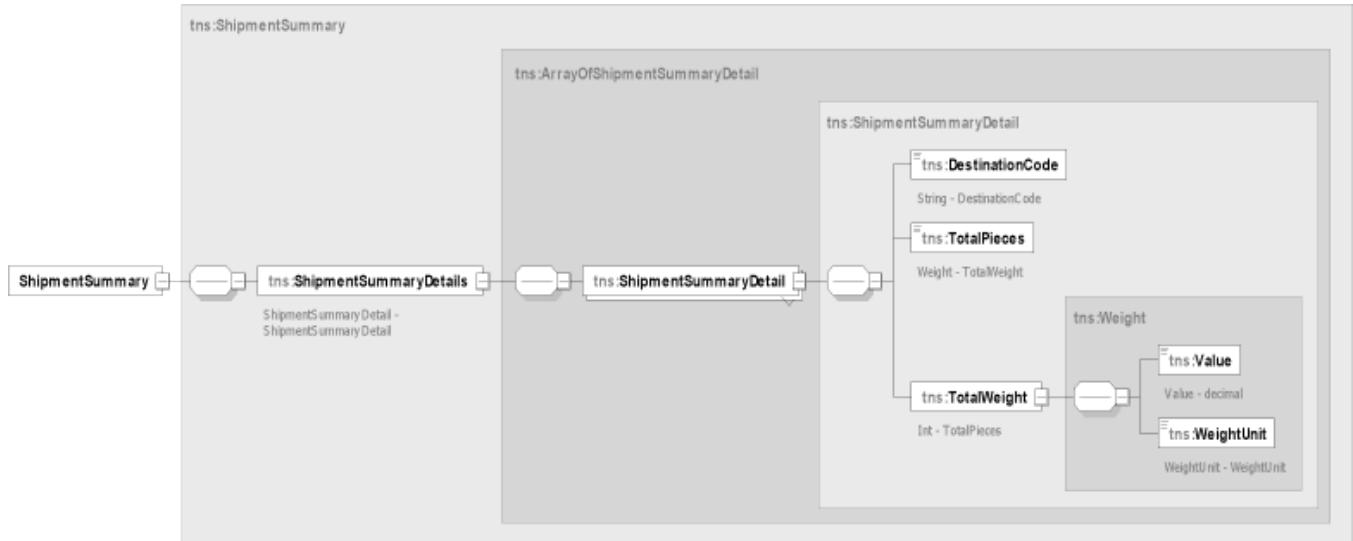
3.25.1.2 Request Diagrams –Schedule Pickup Request – Address



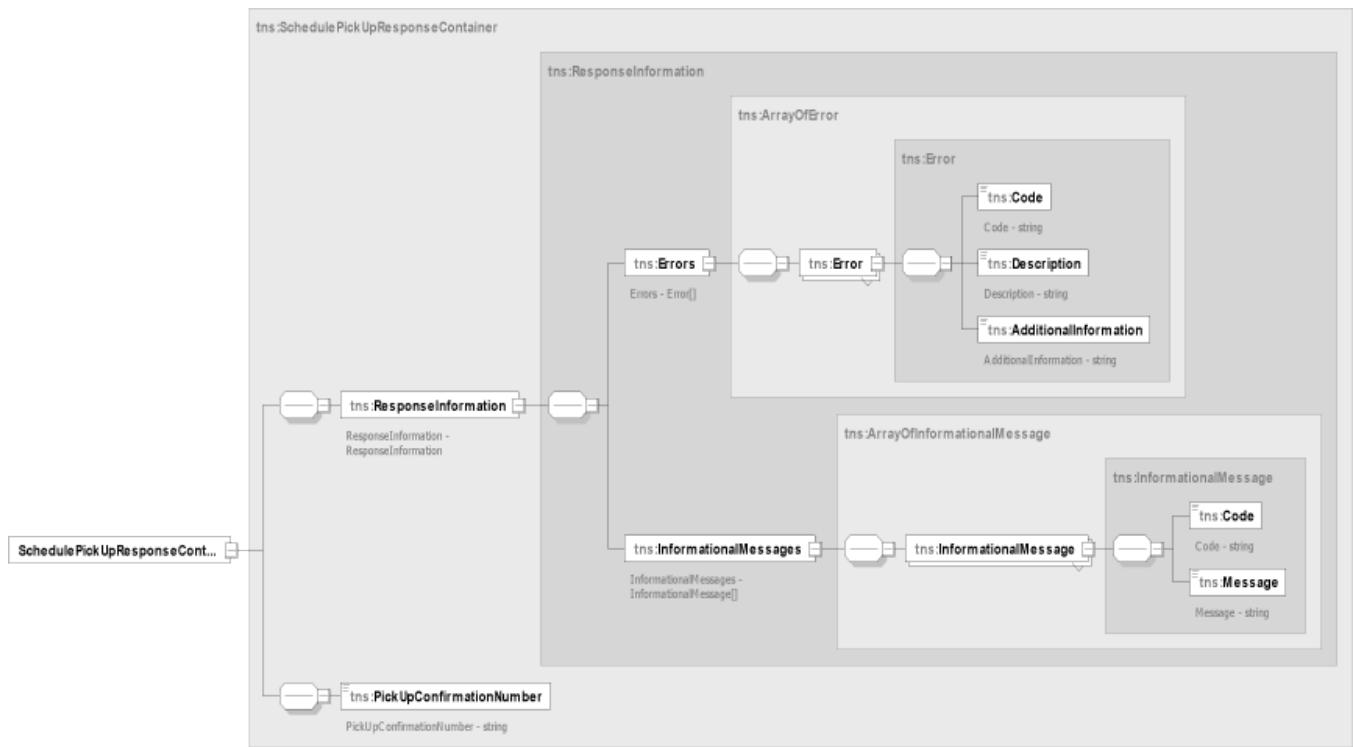
3.25.1.3 Request Diagrams –Schedule Pickup Request – PickupInstructions



3.25.1.4 Request Diagrams –Schedule Pickup Request – Shipment Summary

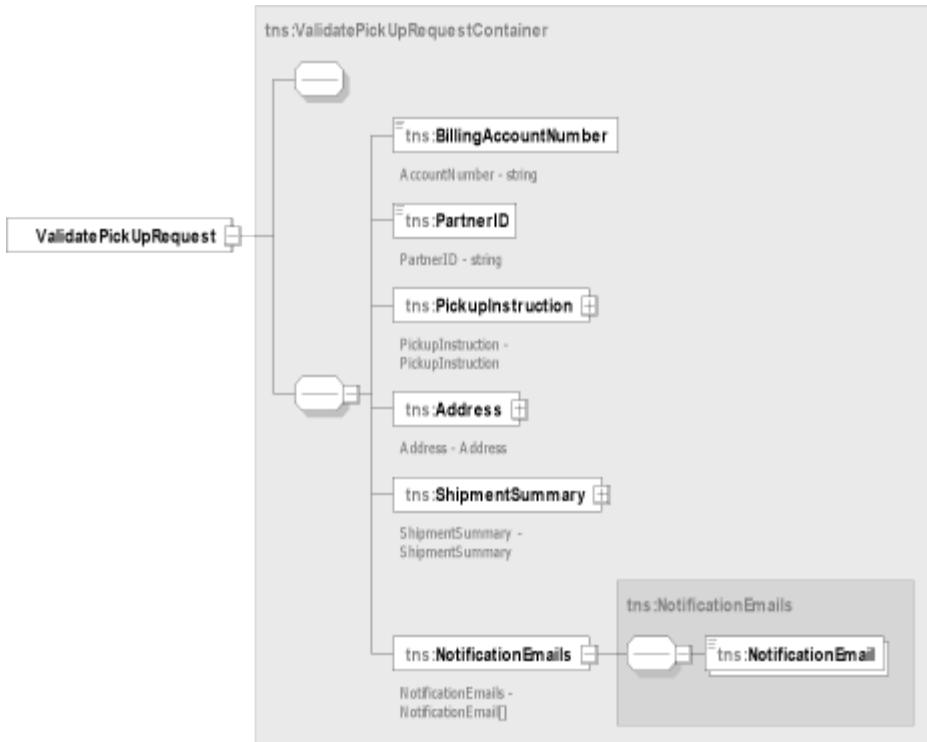


3.25.1.5 Response Diagrams –Schedule Pickup Response Container

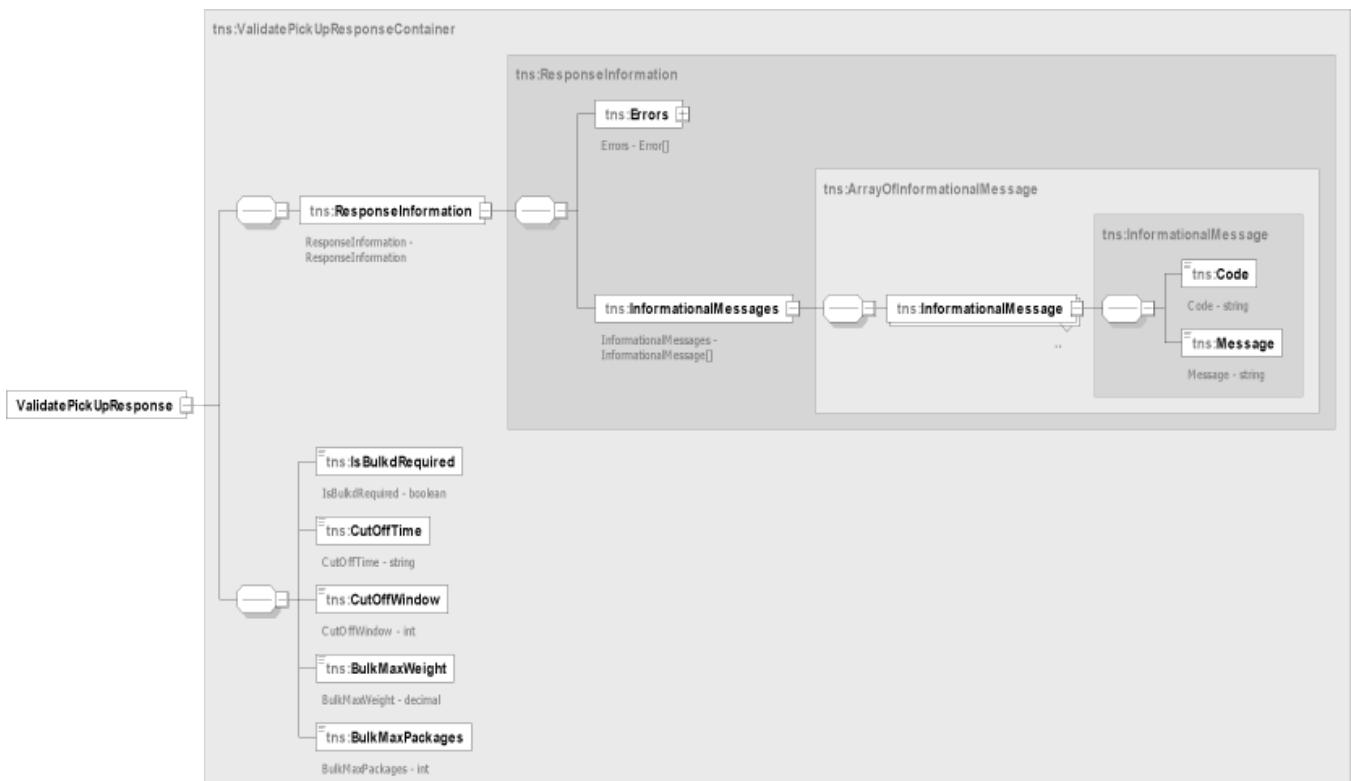


3.25.1.6 Request Diagrams – Validate Pickup Request

The [ValidatePickup](#) Method is used to validate that all pickup information is correct, and valid before committing the pickup to Purolator's systems.

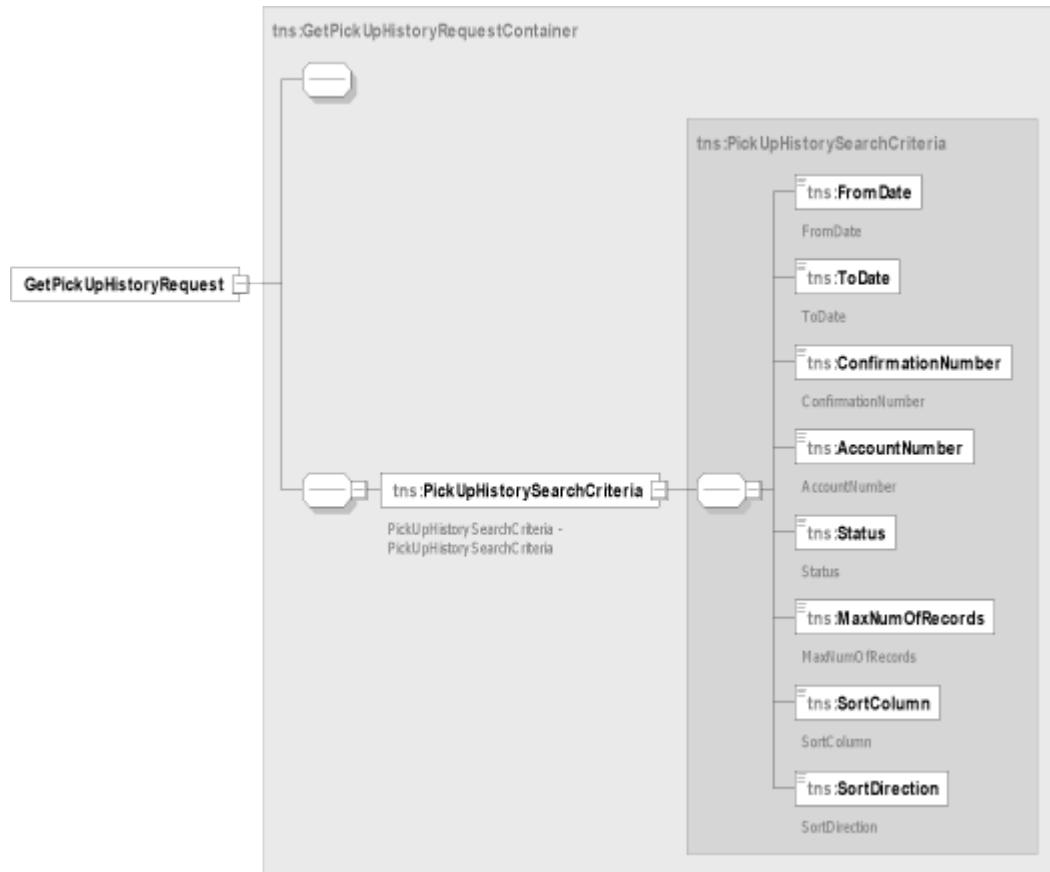


3.25.1.7 Response Diagrams – Validate Pickup Response

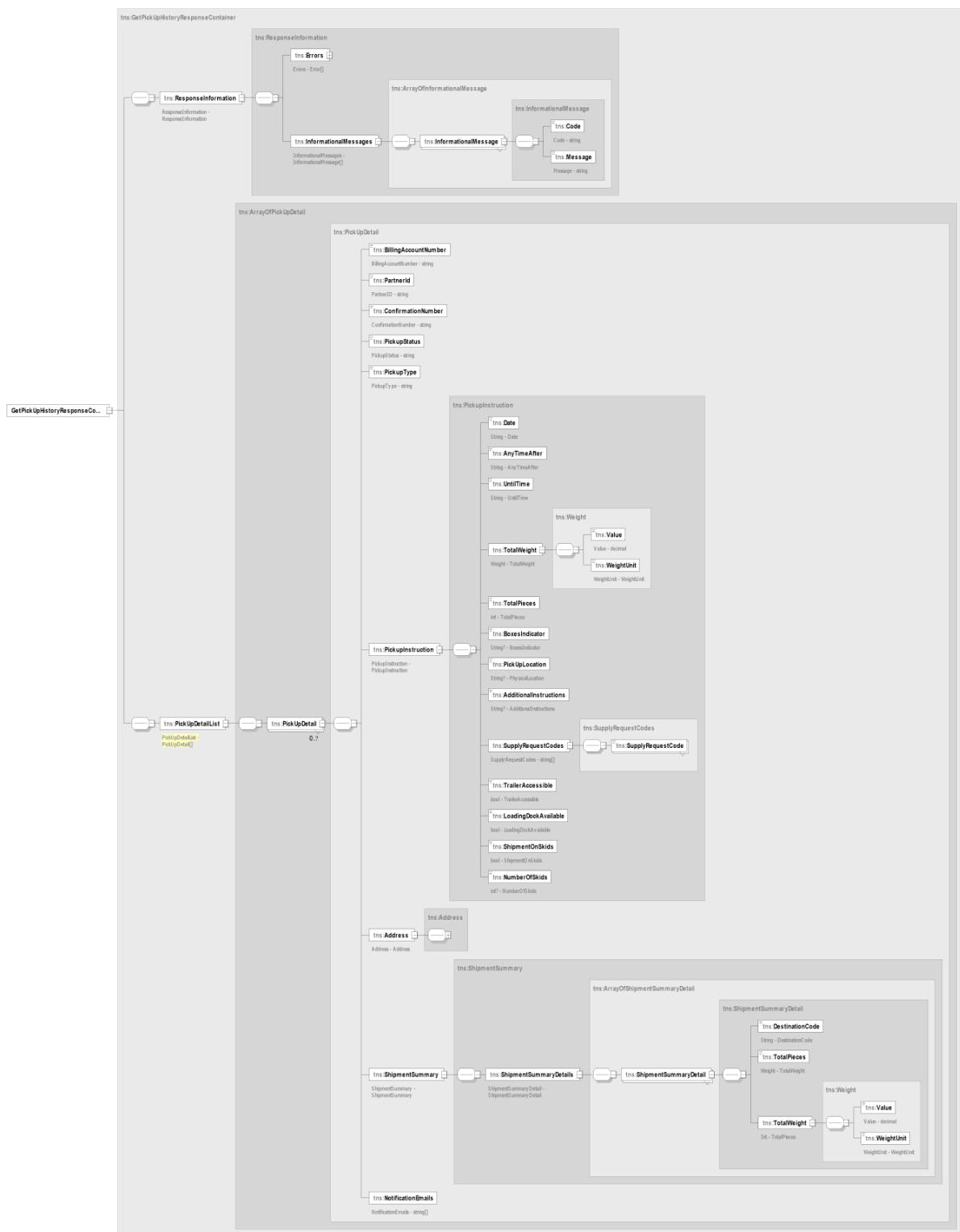


3.25.1.8 Request Diagrams – Get Pickup History Request

The [GetHistory](#) Method returns an array of all pickups found based on a set of search criteria.

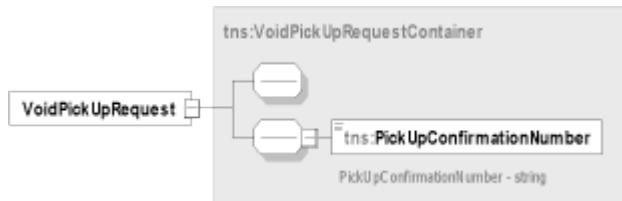


3.25.1.9 Response Diagrams – Get Pickup History Response

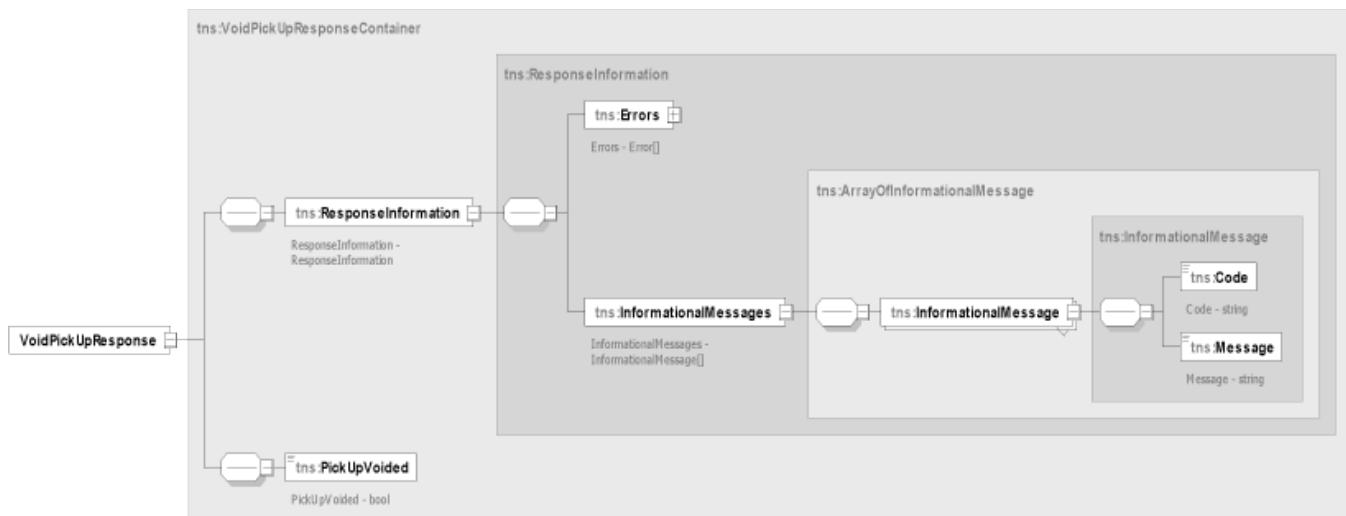


3.25.1.10 Request Diagrams – Void Pickup Request

The VoidPickup Method is used to void scheduled pickups using Purolator E-Ship Commercial Web Services. The diagrams below show the objects contained within the void pickup request.

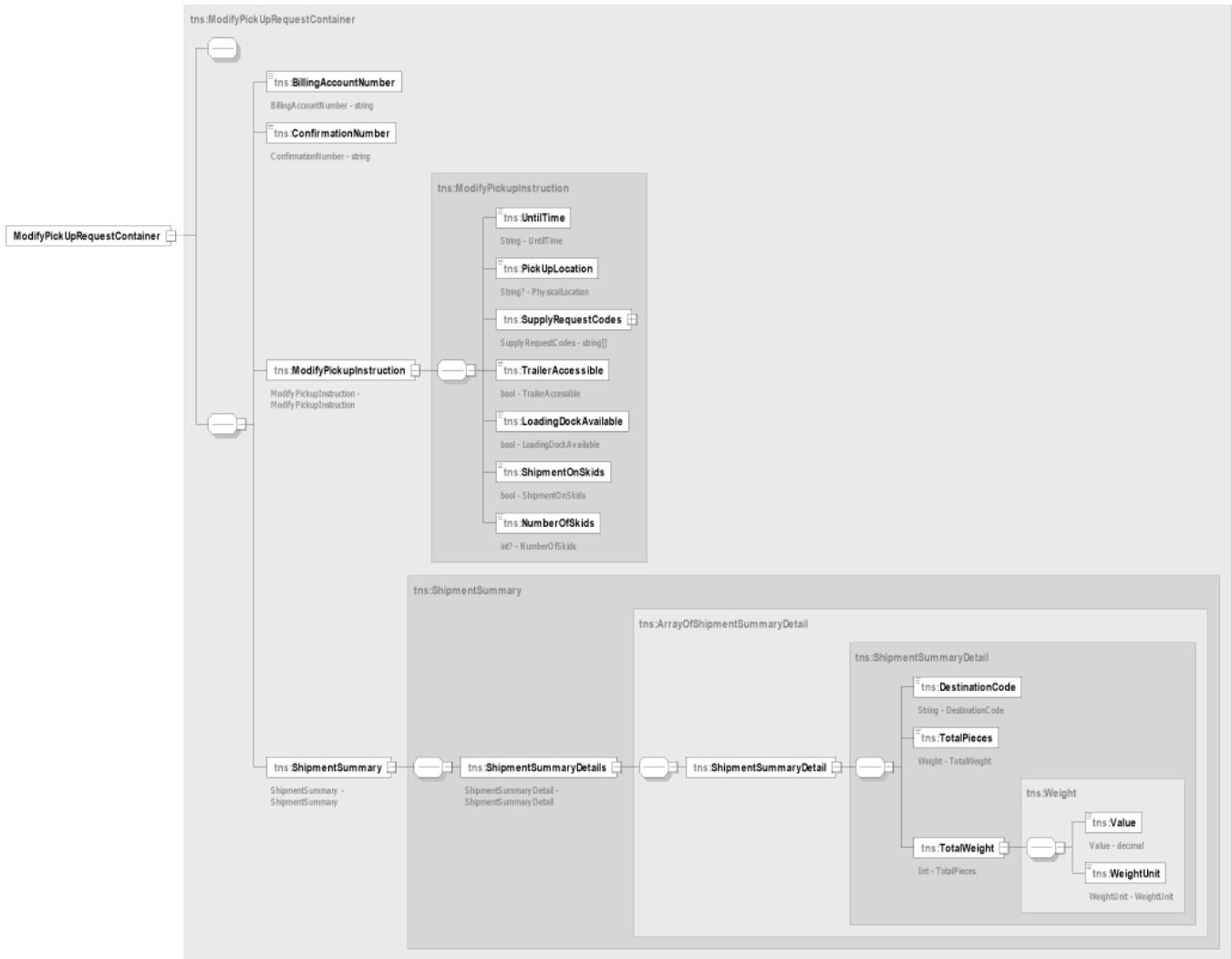


3.25.1.11 Response Diagrams – Void Pickup Response

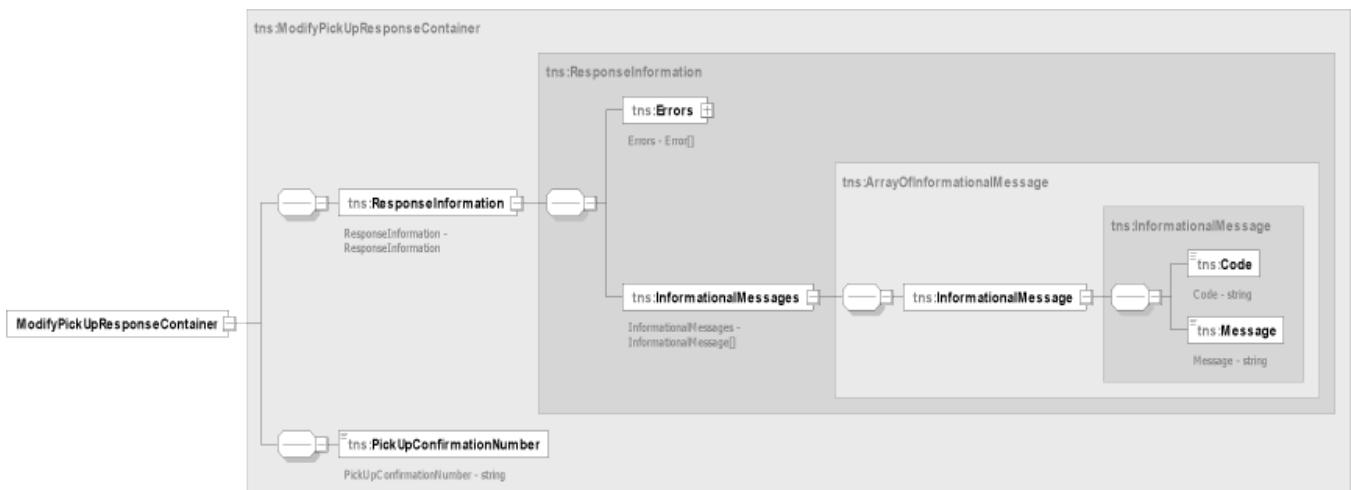


3.25.1.12 Request Diagrams – Modify Pickup Request

The ModifyPickup Method is used to modify scheduled pickups using Purolator E-Ship Commercial Web Services. The diagrams below show the objects contained within the modify pickup request.



3.25.1.13 Response Diagrams – Modify Pickup Response



3.25.2 Complete Field List

Elements

[Address](#) | [ArrayOfError](#) | [ArrayOfInformationalMessage](#) | [ArrayOfPickupDetail](#) | [Error](#) | [GetPickupHistoryRequestContainer](#) | [GetPickupHistoryResponseContainer](#) | [ModifyPickUpRequestContainer](#) | [ModifyPickupResponseContainer](#) | [NotificationEmails](#) | [PhoneNumber](#) | [PickUpHistorySearchCriteria](#) | [PickupInstruction](#) | [RequestContext](#) | [ResponseInformation](#) | [SchedulePickupRequestContainer](#) | [SchedulePickupResponseContainer](#) | [ShipmentSummary](#) | [ShipmentSummaryDetail](#) | [ShipmentSummaryDetails](#) | [ValidatePickupRequestContainer](#) | [ValidatePickupResponseContainer](#) | [VoidPickupRequestContainer](#) | [VoidPickupResponseContainer](#) | [Weight](#)

Input

Field Name	Description	Allowed Value
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	1.0
Language	Used to define the Language of the Response text. En fr	Enumeration.
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType SchedulePickupRequestContainer	Used by: SchedulePickup	
BillingAccountNumber	Required. Purolator Business Account Number	String Numeric Maximum character length: 12
PartnerID	Optional.	String
PickupInstruction	Pickup Details	Complex Type PickupInstruction
Address	Address Details	Complex Type Address
ShipmentSummary	Shipment details	Complex Type ShipmentSummary
NotificationEmails	Notifications details	Complex Type NotificationEmails

Input

Field Name	Description	Allowed Value
ComplexType PickupInstruction	Used by: SchedulePickupRequestContainer, ValidatePickupRequestContainer	
Date	Required. Requested Pickup date.	String Format: YYYY-MM-DD
AnyTimeAfter	Earliest pickup time.	String Format: HHMM
UntilTime	Latest pickup time.	String Format: HHMM
TotalWeight	Optional. For future use.	Complex Type Weight
TotalPieces	Optional. For future use.	
BoxesIndicator	Optional	String
PickUpLocation	Optional. A specific physical location where your order is available for pickup.	String. A list of the Pickup Locations can be found in the appendix of this document.
AdditionalInstructions	Optional. For future use.	
SupplyRequestCodes	Optional. Request supplies with pickup.	For a list of allowed values, please see the Supply Request Code list in the appendix.
TrailerAccessible	Optional. Your location can accommodate a 53' trailer.	String: true or false
LoadingDockAvailable	Optional. A loading dock is available at your location.	String: true or false
ShipmentOnSkids	Optional. Your order is on a skid.	String: true or false
NumberOfSkids	Optional	Number
ComplexType Address	Used by: SchedulePickupRequestContainer, ValidatePickupRequestContainer	
Name	Required. Name Information	String Alpha Numeric Maximum character length: 30
Company	Optional. Company Information	String Alpha Numeric Maximum character length: 30
Department	Optional. Department Information	String Alpha Numeric Maximum character length: 20
StreetNumber	Required* **. Street address number *Optional for US/International shipments. **Optional for ReceiverInformation	String Alpha Numeric Maximum character length: 6
StreetSuffix	Optional. Street Address Suffix	Enumeration See Street Suffix list
StreetName	Required. Street Name	String Alpha Numeric Maximum character length: 35

Input

Field Name	Description	Allowed Value
StreetType	Optional. Street Type	Enumeration. See Street Type list
StreetDirection	Optional. Street Direction	Enumeration: See Street Direction list
Suite	Optional. Suite Number	String Alpha Numeric Maximum character length 6
Floor	Optional. Floor Number	String Alpha Numeric Maximum character length 3
StreetAddress2	Optional. Address information line 2	String Alpha Numeric Maximum character length 25
StreetAddress3	Optional. Address information line 3	String Alpha Numeric Maximum character length 25
City	Required. City	String Alpha Numeric Maximum character length 30
Province	Required*. Province/State * Should be blank for international shipments.	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List
PostalCode	Required. Postal/Zip Code	Canadian Postal Code or USA Zip Code.
PhoneNumber	Phone number	Complex Type PhoneNumber
FaxNumber	Fax Number	Complex Type PhoneNumber
ComplexType PhoneNumber	Used by: Address/FaxNumber , Address/PhoneNumber , PhoneNumber	
CountryCode	Country Code	String. Numeric
AreaCode	Area Code	String. Numeric
Phone	Phone Number	String. Numeric
Extension	Extension	String. Numeric
ComplexType Weight	Used by: PickupInstructions	
Value	Required. Weight	Numeric
WeightUnit	Required. Unit of measurement	"lb" for pounds or "kg" for kilogram
ComplexType ShipmentSummary	Used by: SchedulePickupRequestContainer , ValidatePickupRequestContainer	
ShipmentSummaryDetails	Complex Type ShipmentSummaryDetails	

Input

Field Name	Description	Allowed Value
ComplexType ShipmentSummaryDetails	Used by: SchedulePickupRequestContainer, ValidatePickupRequestContainer	
ShipmentSummaryDetail		Complex Type ShipmentSummaryDetail
ComplexType ShipmentSummaryDetail	Used by: SchedulePickupRequestContainer, ValidatePickupRequestContainer	
DestinationCode	Required. Shipment destination: Canada, USA or International.	Enumeration: DOM USA INT String
ModeOfTransport	Optional. Shipment service mode.	Allowed values; Ground, Express, or Express\Ground
TotalPieces	Required. Number of pieces for a shipment destination.	Number
TotalWeight	Required. Weight for a shipment destination.	Complex Type Weight
ComplexType NotificationEmails	Used by: NotificationInformation, Shipment/NotificationInformation	
NotificationEmail	Optional. Email address which will receive the Pickup confirmation email.	String Valid email address format. xxx@xxxx.xxx
ComplexType ValidatePickupRequestContainer	Used by: ValidatePickup	
BillingAccountNumber	Required. Purolator Business Account Number	String Numeric Maximum character length: 12
PartnerID	Optional.	String
PickupInstruction	Pickup Details	Complex Type PickupInstruction
Address	Address details	Complex Type Address
ShipmentSummary	Shipment details	Complex Type ShipmentSummary
NotificationEmails	Notification details	Complex Type NotificationEmails
ComplexType VoidPickupRequestContainer	Used by: VoidPickup	
PickupConfirmationNumber	Required. Pickup Confirmation Number	String Numeric Maximum character length: 12
ComplexType GetPickupHistoryRequestContainer	Used by: GetPickUpHistoryRequest	
PickupHistorySearchCriteria		Complex Type PickUpHistorySearchCriteria

Input

Field Name	Description	Allowed Value
ComplexType PickUpHistorySearchCriteria	Used by: GetPickUpHistoryRequestContainer	
FromDate	Required. Search From date.	String Format: YYYY-MM-DD
ToDate	Required. Search To date.	String Format: YYYY-MM-DD
ConfirmationNumber	Optional. Search for a particular Confirmation Number	String Numeric Maximum character length: 12
AccountNumber	Required. Search for pickups scheduled with a particular Purolator Account Number. May be empty.	String Numeric Maximum character length: 12
Status	Optional. Search for pickups in a particular status.	String One of: Scheduled, Dispatched, Cancelled, NoPickup, PickedUp, Pending
MaxNumOfRecords	Maximum number of pickup records to be returned.	Number
SortColumn	Optional. For future use.	String
SortDirection	Optional. For future use.	String
ComplexType ModifyPickUpRequestContainer	Used by: ModifyPickupRequest	
BillingAccountNumber	Purolator Business Account Number.	String Numeric Maximum character length: 12
ConfirmationNumber	Pickup Confirmation Number.	String Numeric Maximum character length: 12
ModifyPickupInstruction	Pickup Details	Complex Type PickupInstruction
ShipmentSummary	Shipment details	Complex Type ShipmentSummary

Output

Field Name	Description	Output Values
Element SchedulePickupResponseContainer	Used by: SchedulePickupResponse	
PickUpConfirmationNumber	Pickup Confirmation Number	String. Alpha Numeric.
ResponseInformation	Information regarding the request.	Complex Type ResponseInformation
Element ValidatePickupResponseContainer	Used by: ValidatePickupResponse	

Output

Field Name	Description	Output Values
IsBulkdRequired	The pickup is identified as bulk	String. true or false
CutOffTime	Cut off time for pickups.	String HHMM
CutOffWindow	For future considerations	String HHMM
BulkMaxWeight	For future considerations	Numeric
BulkMaxPackages	For future considerations	Numeric
ResponseInformation	Information regarding the request.	Complex Type ResponseInformation
Element VoidPickupResponseContainer	Used by: VoidPickupResponse	
PickUpVoided	A Boolean value indicating the status of the Void Pickup Request.	Boolean true, false
ResponseInformation	Information regarding the request.	Complex Type ResponseInformation
Element GetPickupHistoryResponseContainer	Used by: GetPickupHistoryResponse	
ResponseInformation	Response Information.	Complex Type ResponseInformation
PickupDetailsList	Container for the Pickup detail array.	Complex Type ArrayOfPickupDetail
Element ArrayOfPickupDetail	Used by: GetPickupHistoryResponseContainer	
PickupInstruction	Array of Pickup specifics.	Complex Type PickupInstruction
Element ModifyPickupResponseContainer	Used by: ModifyPickupResponse	
PickupConfirmationNumber	Pickup Confirmation Number	String Numeric Maximum character length: 12
ResponseInformation	Information regarding the request.	Complex Type ResponseInformation
Element ResponseInformation	Used by: SchedulePickupResponseContainer/ GetPickupHistoryResponseContainer/ ModifyPickupResponseContainer	
ResponseReference		
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages	Additional Information Messages regarding the response.	Complex Type ArrayOfInformationalMessages

Output

Field Name	Description	Output Values
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	String. Alpha Numeric.
Description	Error Description	String. Alpha Numeric.
AdditionalInformation	Additional error information	String. Alpha Numeric.
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
InformationalMessage	An array of Informational Messages as part of a response to a service request.	Array of Strings

3.26 Tracking Web Services

3.26.1 Service Methods and Objects: request/response XML schema

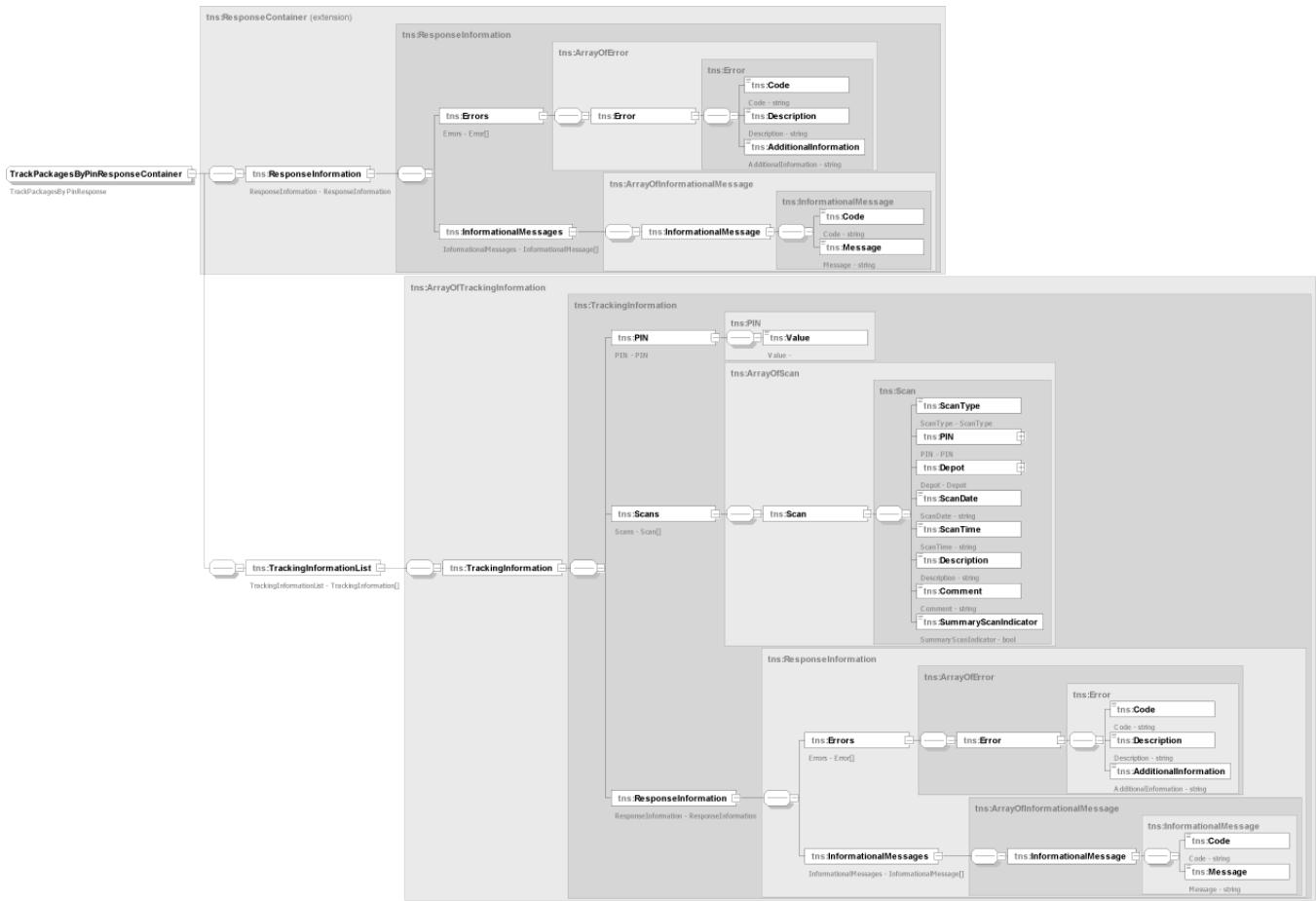
The following section will highlight the various methods associated with the [Tracking Web Service](#). As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.26.1.1 Request Diagrams – Track Package By PIN

The [TrackPackagebyPIN](#) Method is used to track shipments using Purolator E-SHIP Commercial Web Services. The diagram below shows the objects contained within the tracking request.



3.26.1.2 Response Diagrams – Track Package By PIN

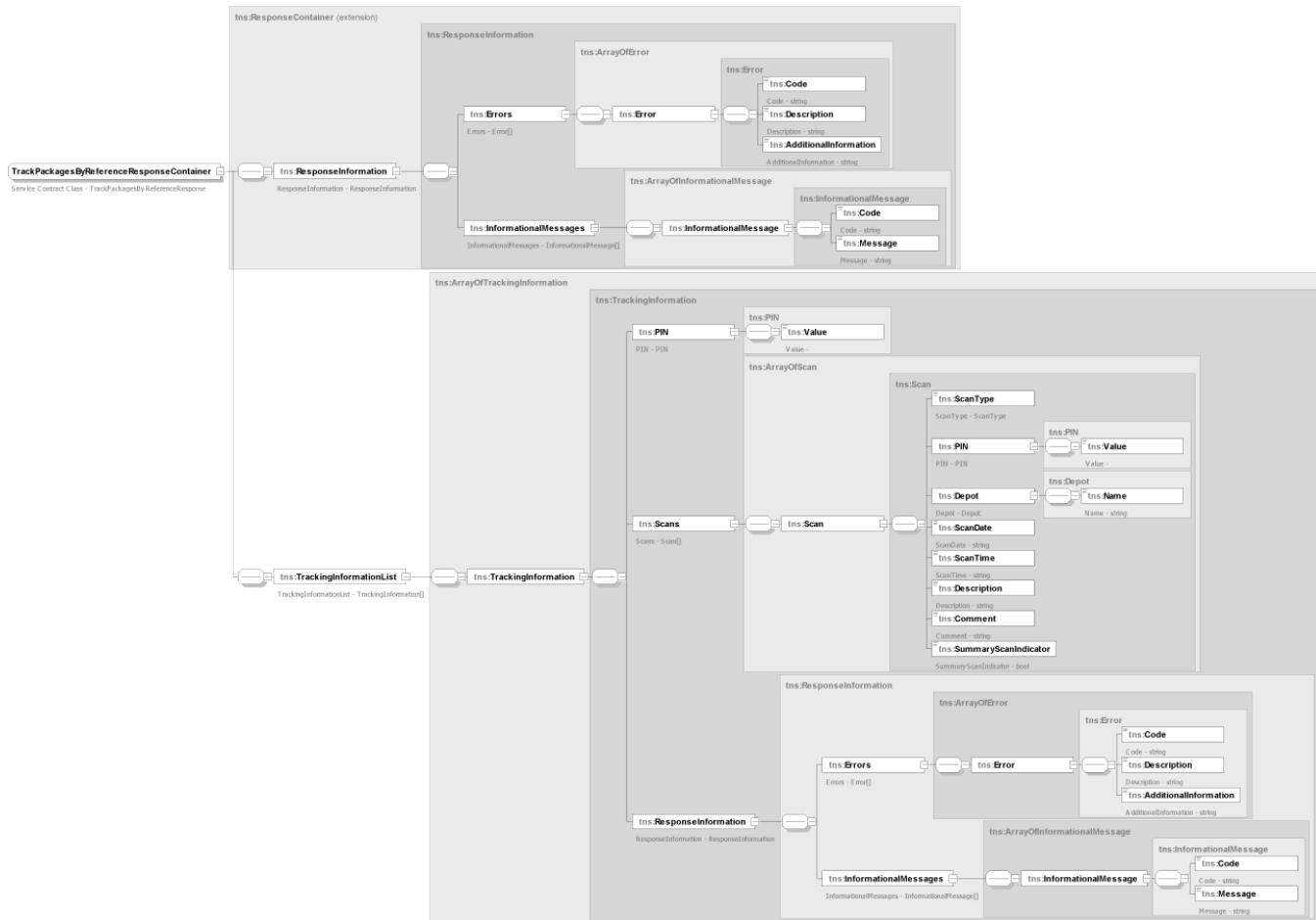


3.26.1.3 Request Diagrams – Track Package By Reference

The [TrackPackagebyReference](#) Method is used to track shipments using Purolator E-SHIP Commercial Web Services by a cross reference. The diagram below shows the objects contained within the tracking request.

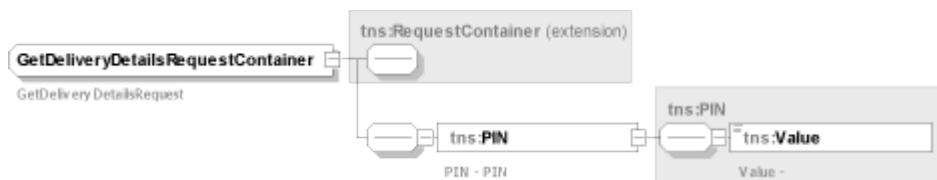


3.26.1.4 Response Diagrams – Track Package By Reference

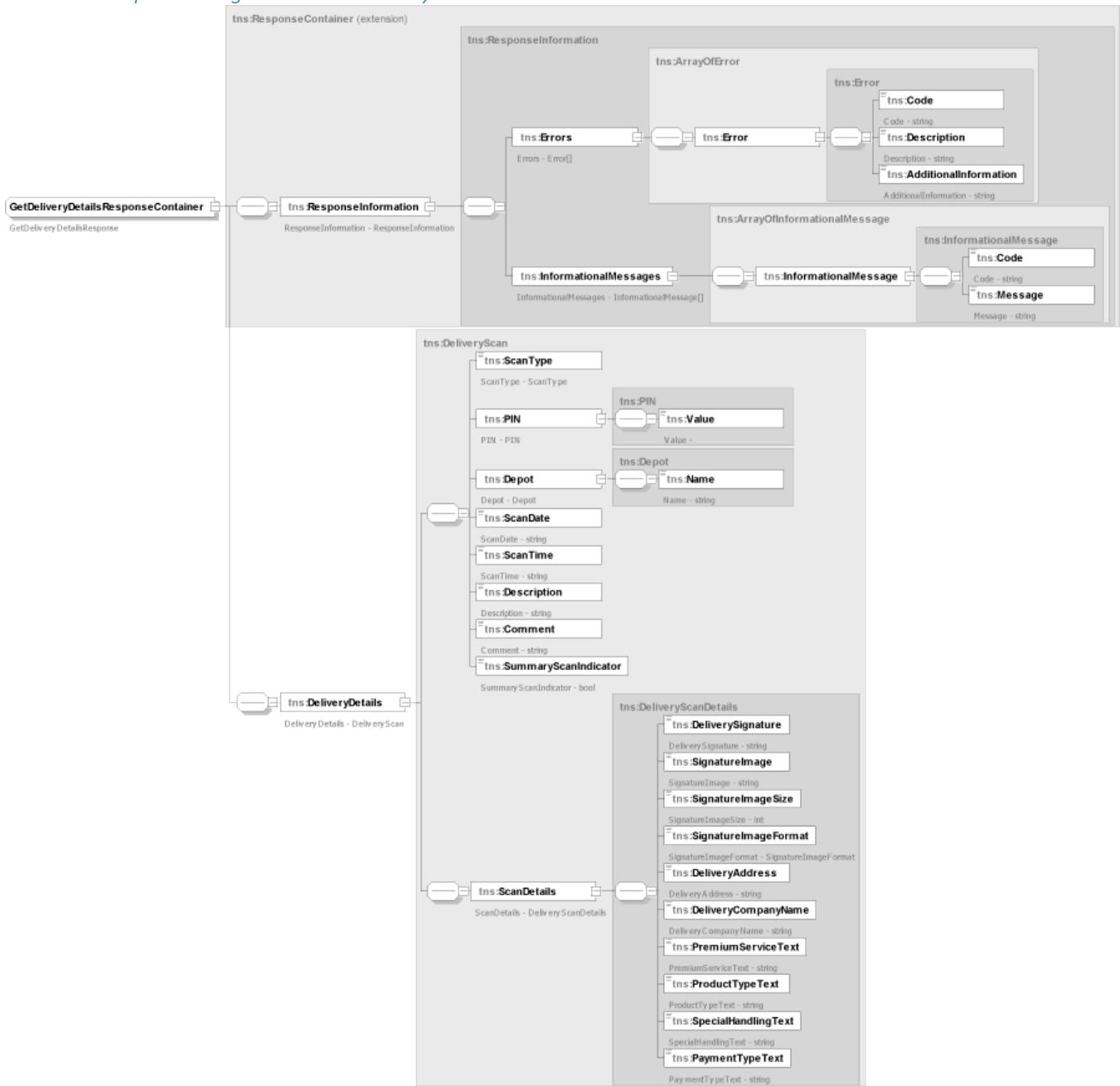


3.26.1.5 Request Diagrams – Get Delivery Details

The [GetDeliveryDetails](#) Method is used to obtain shipment delivery details such as the date and time of delivery. The diagram below shows the objects contained within the Get Delivery Details request.



3.26.1.6 Response Diagrams – Get Delivery Details



3.26.2 Complete Field List

Elements

[Address](#) |
 [ArrayOfError](#) |
 [ArrayOfInformationalMessage](#) |
 [ArrayOfPIN](#) |
 [ArrayOfScan](#) |
 [ArrayOfTrackingInformation](#) |
 [DeliveryScan](#) |
 [DeliveryScanDetails](#) |
 [Depot](#) |
 [Error](#) |
 [GetDeliveryDetailsRequestContainer](#) |
 [GetDeliveryDetailsResponseContainer](#) |
 [InformationalMessage](#) |
 [InternationalOutboundScan](#) |
 [InternationalOutboundScanDetails](#) |
 [OnDeliveryScan](#) |
 [OnDeliveryScanDetails](#) |
 [PhoneNumber](#) |
 [PIN](#) |
 [ProofOfPickUpScan](#) |
 [ProofOfPickUpScanDetails](#) |
 [RequestContext](#) |
 [ResponseContext](#) |
 [ResponseInformation](#) |
 [Scan](#) |
 [ScanType](#) |
 [TrackingInformation](#) |
 [TrackPackageByReferenceSearchCriteria](#) |
 [TrackPackagesByPinRequestContainer](#) |
 [TrackPackagesByPinResponseContainer](#) |
 [TrackPackagesByReferenceRequestContainer](#) |
 [TrackPackagesByReferenceResponseContainer](#) |
 [UndeliverableScan](#) |
 [UndeliverableScanDetails](#)

Input

Field Name	Description	Output Values
ComplexType RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	1.0 or 1.1(Currently)
Language	Used to define the Language of the Response text.	Enumeration. en fr
GroupID	For Future Use Reference Identifier for the Service Request. Used to aid in Customer Support.	
RequestReference		String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
Element TrackPackagesByPinRequestContainer		
PINs	Container for array of PINs	Element ArrayOfPIN
Element TrackPackagesByReferenceRequestContainer		
TrackPackageByReferenceSearchCriteria		Element TrackPackageByReferenceSearchCriteria
Element GetDeliveryDetailsRequestContainer		
PIN		Complex Type PIN
Element ArrayOfPIN	Used by: TrackPackagesByPinRequestContainer/PINs	
PIN	PIN number	Complex Type PIN
Element PIN	Used by: PIN ArrayOfPIN/PIN TrackingInformation/PIN Scan/PIN GetDeliveryDetailsRequestContainer/PIN	
Value	PIN number	String
Element TrackPackageByReferenceSearchCriteria	Used by: TrackPackagesByReferenceRequestContainer/TrackPackageByReferenceSearchCriteria TrackPackageByReferenceSearchCriteria	

Input

Field Name	Description	Output Values
Reference	Tracking Reference defined when creating the Shipment in the TrackingReferenceInformation section	String
DestinationPostalCode	Postal Code / Zip Code that was used as Destination Postal Code when a shipment was created.	String
DestinationCountryCode	Country Code used as the Destination Country Code when a shipment was created.	String See Country list for allowed values
BillingAccountNumber	Purolator Account Number that the Shipment was billed against.	String
ShipmentFromDate	Compared to the creation data of the Shipment. Shipment creation date must be greater than or equal to this defined date.	String Allowed format dd-mm-yyyy
ShipmentToDate	Compared to the creation data of the Shipment. Shipment creation date must be less than or equal to this defined date.	String Allowed format dd-mm-yyyy

Output

Field Name	Description	Output Values
Element TrackPackagesByPinResponseContainer		
ResponseInformation	Shipment PIN	Type ResponseInformation
TrackingInformationList	Array of Pins	Type ArrayOfTrackingInformation
Element TrackPackagesByReferenceResponseContainer		
ResponseInformation	Shipment PIN	Type ResponseInformation
TrackingInformationList	Array of Pins	Type ArrayOfTrackingInformation
Element GetDeliveryDetailsResponseContainer		
ResponseInformation	Shipment PIN	Type ResponseInformation
DeliveryDetails	Array of Pins	Type DeliveryDetails
Element ArrayOfTrackingInformation		
TrackingInformation		Type TrackingInformation
Element TrackingInformation	Used by: ArrayOfTrackingInformation/TrackingInformation	TrackingInformation

Output

Field Name	Description	Output Values
PIN	PIN number of request	Type PIN
Scan	Array Of tracking scans	Type ArrayOfScan
ResponseInformation	Response information of request	Type ResponseInformation
Element ArrayOfScan	Used by: TrackingInformation/Scans	
Scan	Array of scan types associated with submitted PIN.	Type Scan
Element Scan	Used by: DeliveryScan InternationalOutboundScan OnDeliveryScan ProofOfPickUpScan UndeliverableScan	
ScanType	Enumeration of scan types for submitted PIN.	Enumeration: Other ProofOfPickUp OnDelivery Delivery Undeliverable InternationalOutbound
PIN	Nillable PIN Number.	Type PIN
Depot	Nillable Name of depot.	Simple Type Name
ScanDate	Nillable. Date of current scan in array.	String Format mm-dd-yyyy
ScanTime	Nillable Time of current scan in array.	String Format xx:xx:xx GMT
Description	Nillable Description of current scan in array.	Sring Alpha Numeric
Comment	Nillable Comment of current scan in array.	String Alpha Numeric
SummaryScanIndicator	Boolean indicator to provide all possible scans for PIN.	Boolean
Element Name	Used by: Scan/Depot	
Name	Nillable. Name of Depot.	String
Element DeliveryScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension) ScanDetails		Type Scan Type ScanDetails
Element OnDeliveryScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension)		Type Scan

Output

Field Name	Description	Output Values
ScanDetails		Type ScanDetails
Element	Used by:	Type
ProofOfPickUpScan	GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension)		Type Scan
ScanDetails		Type ScanDetails
Element	Used by:	Type
UndeliverableScan	GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension)		Type Scan
ScanDetails		Type ScanDetails
Element	Used by:	Type
OnDeliveryScanDetails	GetDeliveryDetailsResponseContainer/DeliveryDetails	
DeliveryAddress	Nillable	String
Element	Used by:	Type
InternationalOutboundScan	InternationalOutboundScan	
Scan (extension)		Type Scan
ScanDetails		Type ScanDetails
Element	Used by:	Type
InternationalOutboundScanDetails	InternationalOutboundScan/ScanDetails	
DestinationPostalCode	Nillable Destination Postal Code	String
AirportCode	Nillable Destination Airport Code	String
Element	Used by:	Type
DeliveryDetails	GetDeliveryDetailsResponseContainer/DeliveryDetails	
DeliveryScan	Delivery Scan	Type DeliveryScan
Element	Used by:	Type
UndeliverableScanDetails	InternationalOutboundScan/ScanDetails	
AttemptedDeliveryAddress	Nillable Address of attempted delivery	String
DeliveryCompanyName	Nillable Name of delivery company	String
Element	Used by:	Type
ScanDetails	DeliveryScan/ScanDetails	
DeliverySignature	Nillable. Proof of delivery signature	String
SignatureImage	Nillable	String
SignatureImageSize	Nillable	Int

Output

Field Name	Description	Output Values
	Size of delivery signature image	
SignatureImageFormat	File type of the Digital Signature Image.	Enumeration: GIF Bitmap OriginalUncompressed
DeliveryAddress	Nillable Delivery address	String
DeliveryCompanyName	Nillable Company name	String
PremiumServiceText	Nillable Premium service information	String
ProductTypeText	Nillable Product Type information	String
SpecialHandlingText	Nillable Special handling text	String
PaymentTypeText	Nillable Payment Type text	String

Element	Used by:
DeliveryScanDetails	DeliveryScan/ScanDetails

DeliverySignature	Nillable. Proof of delivery signature	String
SignatureImage	Nillable	String
SignatureImageSize	Nillable	Int
SignatureImageFormat	File type of the Digital Signature Image.	Enumeration: GIF Bitmap OriginalUncompressed
DeliveryAddress	Nillable	String
DeliveryCompanyName	Nillable	String
PremiumServiceText	Nillable	String
ProductTypeText	Nillable	String
SpecialHandlingText	Nillable	String
PaymentTypeText	Nillable	String

Element	Used by:
ProofOfPickupScanDetails	DeliveryScan/ScanDetails

PickUpConfirmationNumber	Nillable.	String
PickupAddress		Type Address
PickupContactName	Nillable	String
PickupCompanyName	Nillable	String
PickupLocation	Nillable	String
CommittedDeliveryDate	Nillable	String
PremiumServiceText	Nillable	String

Output

Field Name	Description	Output Values
ProductTypeText	Nillable	String
SpecialHandlingText	Nillable	String
PaymentTypeText	Nillable	String
ComplexType Address	Used by: ProofOfPickUpScanDetails/PickUpAddress	
Name	Name Information	String Alpha Numeric Maximum character length: 30
Company	Company Information	String Alpha Numeric Maximum character length: 30
Department	Department Information	String Alpha Numeric Maximum character length: 20
StreetNumber	Street address number	String Alpha Numeric Maximum character length: 6
StreetSuffix	Street Address Suffix	Enumeration See Street Suffix list
StreetName	Street Name	String Alpha Numeric Maximum character length: 25
StreetType	Street Type	Enumeration. See Street Type list
StreetDirection	Street Direction	Enumeration: See Street Direction list
Suite	Suite Number	String Alpha Numeric Maximum character length 6
Floor	Floor Number	String Alpha Numeric Maximum character length 3
StreetAddress2	Address information line 2	String Alpha Numeric Maximum character length 25
StreetAddress3	Address information line 3	String Alpha Numeric Maximum character length 25
City	City	String Alpha Numeric Maximum character length 30
Province	Province/State	String Enumeration See Province/State list
Country	Required. Country name	String Enumeration See Country List

Output

Field Name	Description	Output Values
PostalCode	Required. Postal/Zip Code	
PhoneNumber	Phone number	Complex Type PhoneNumber
FaxNumber	Fax Number	Complex Type PhoneNumber
ComplexType PhoneNumber	Used by: Address/FaxNumber, Address/PhoneNumber, PhoneNumber	
CountryCode	Country Code	String. Numeric
AreaCode	Area Code	String. Numeric
Phone	Phone Number	String. Numeric
Extension	Extension	String. Numeric
Element ResponseInformation	Used by: ResponseInformation	
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages	Array of InformationalMessages	Complex Type ArrayOfInformationalMessages
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	String. Numeric
Description	Error Description	String
AdditionalInformation	Additional error information	String
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
InformationalMessage	Informational Messages of requests	Type InformationalMessage
ComplexType InformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
Code	Nullable Informational Message code	String
Message	Nullable Infomational Message	String
Element ArrayOfPIN	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
PIN	PIN number of request	String

Output

Field Name	Description	Output Values
ComplexType ResponseContext		
ResponseReference	Same as Request Reference	String

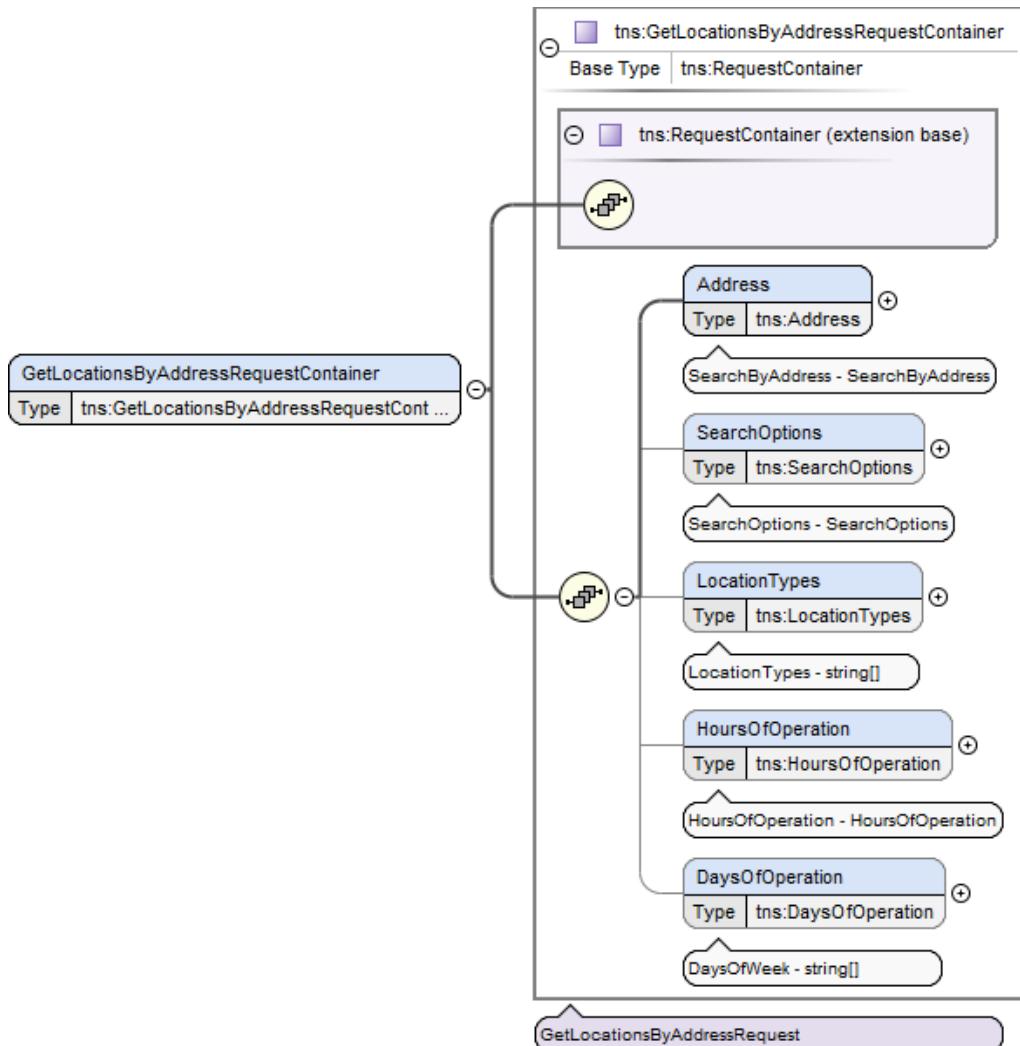
3.27 Locator Web Services

3.27.1 Service Methods and Objects: request/response XML schema

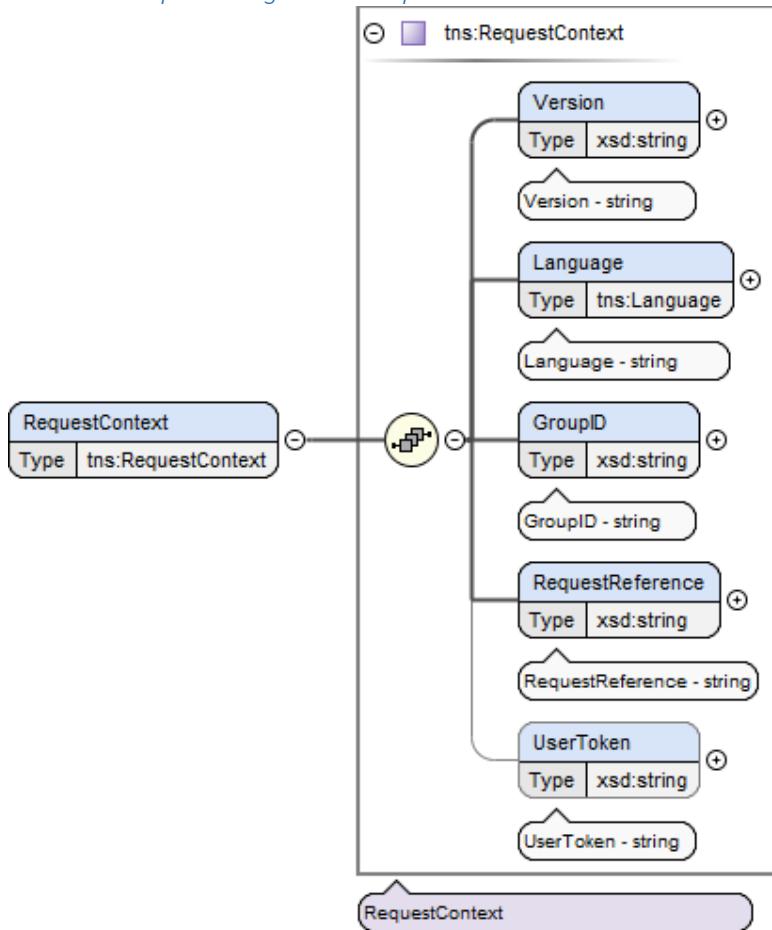
The following section will highlight the various methods associated with the Locator Web Service. As well, visual representations will depict the XML schema of both the requests, and the responses of the service calls.

3.27.1.1 Request Diagrams – Get Locations By Address Request

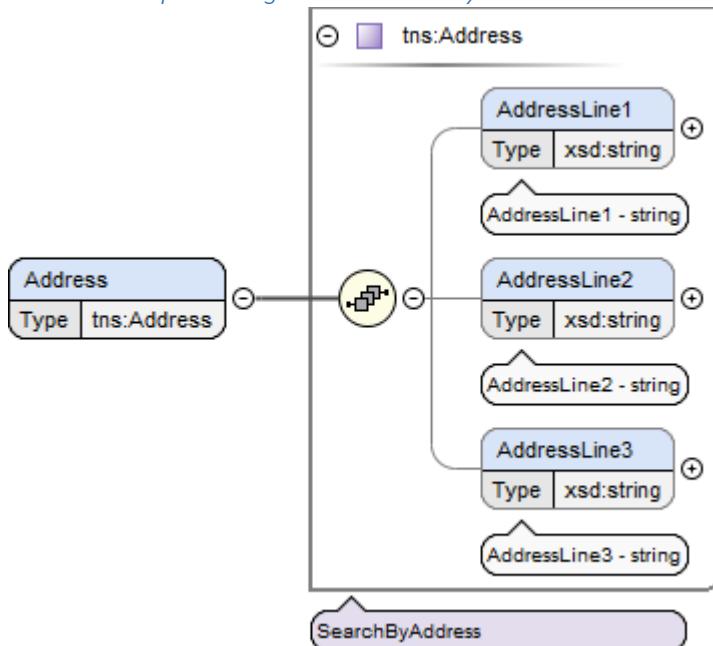
The [GetLocationsByAddress](#) Method is used to get the location of the shipments by providing the shipment Address using Purolator EShip Web Services. The diagrams below show the objects contained within the location request.



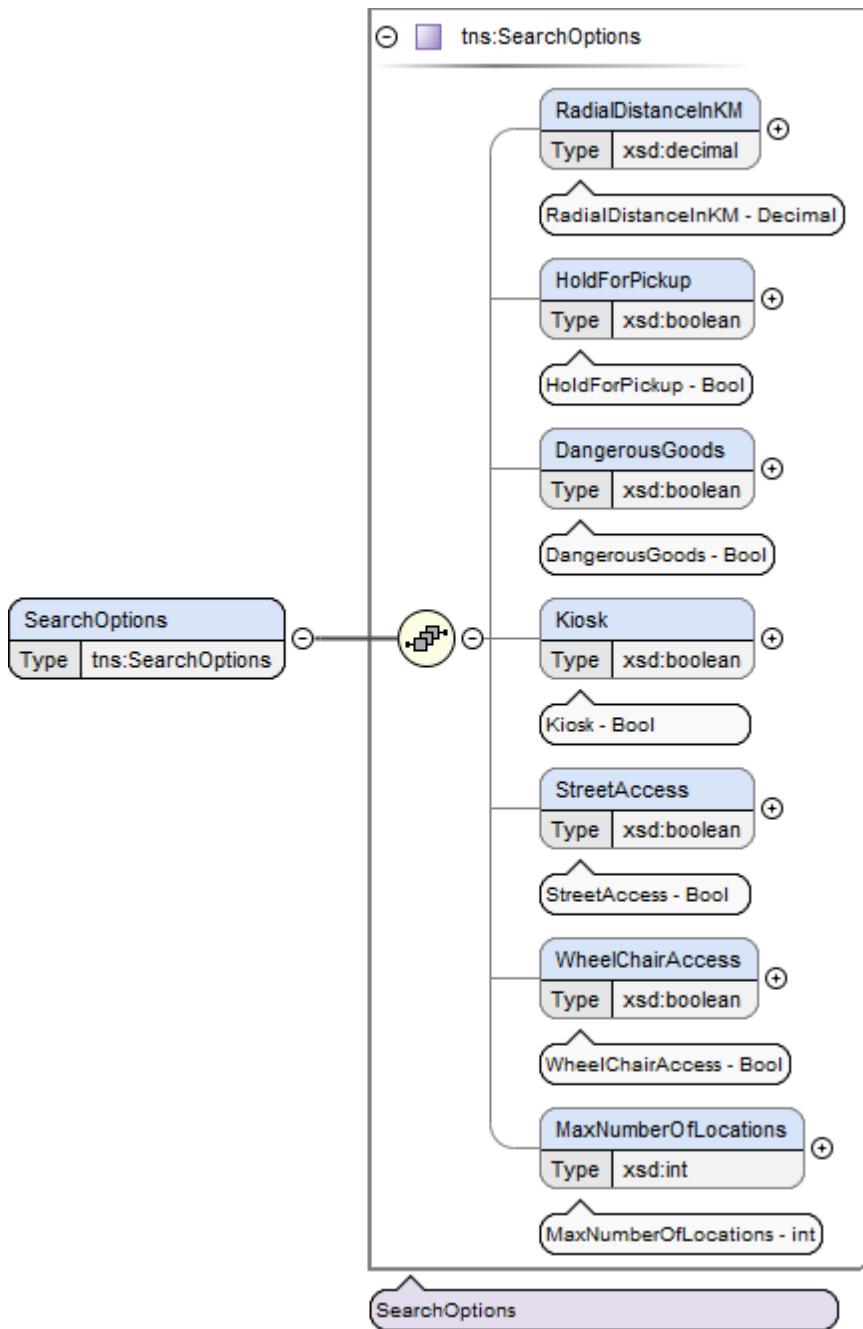
3.27.1.2 Request Diagrams – Request Context



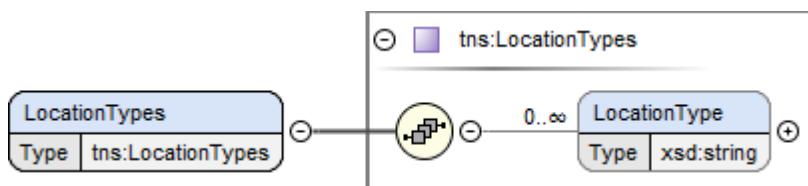
3.27.1.3 Request Diagrams – Search By Address



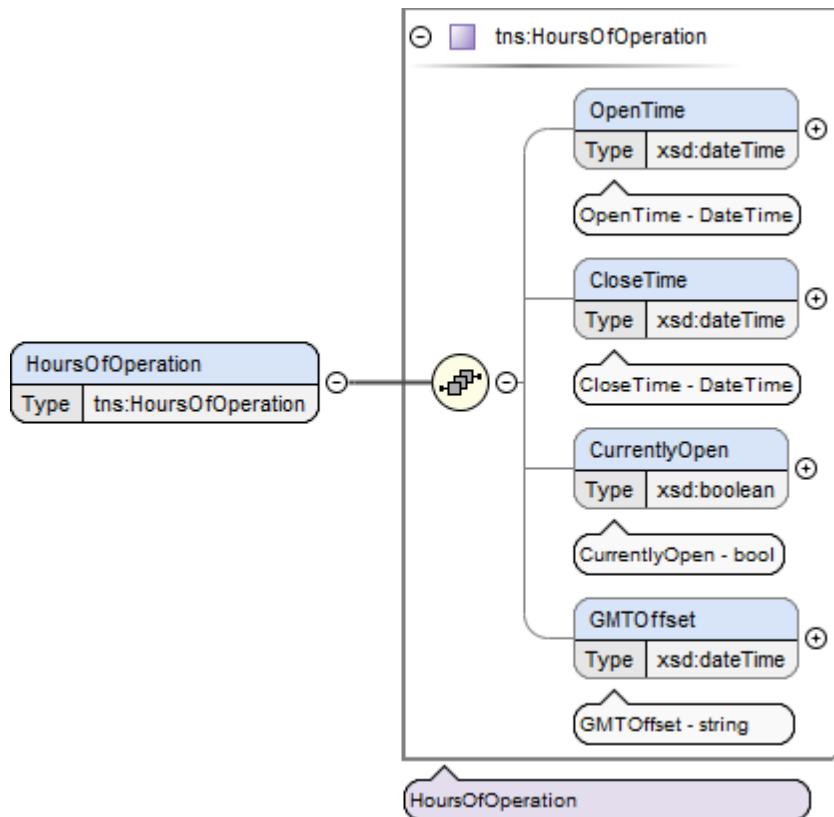
3.27.1.4 Request Diagrams – Search Options



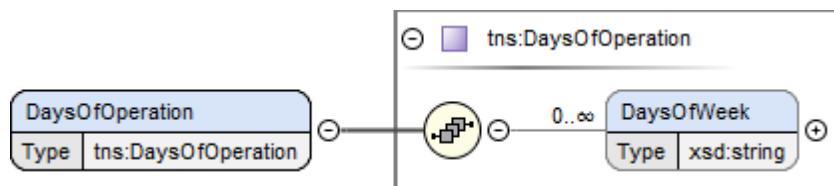
3.27.1.5 Request Diagrams – Location Types



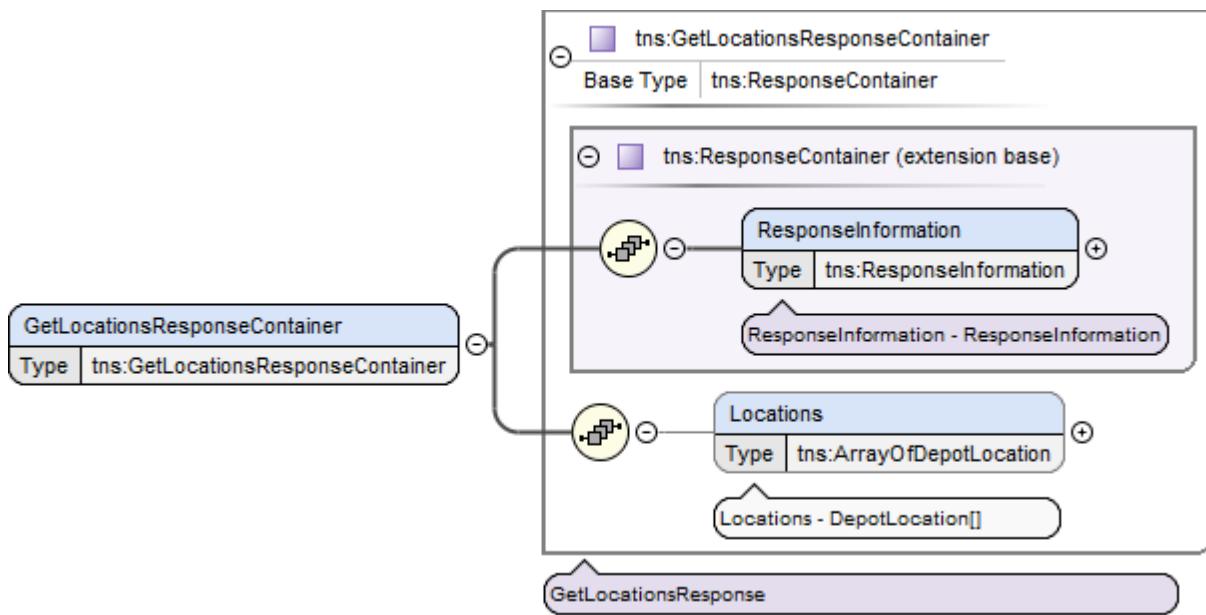
3.27.1.6 Request Diagrams – Hours of Operation



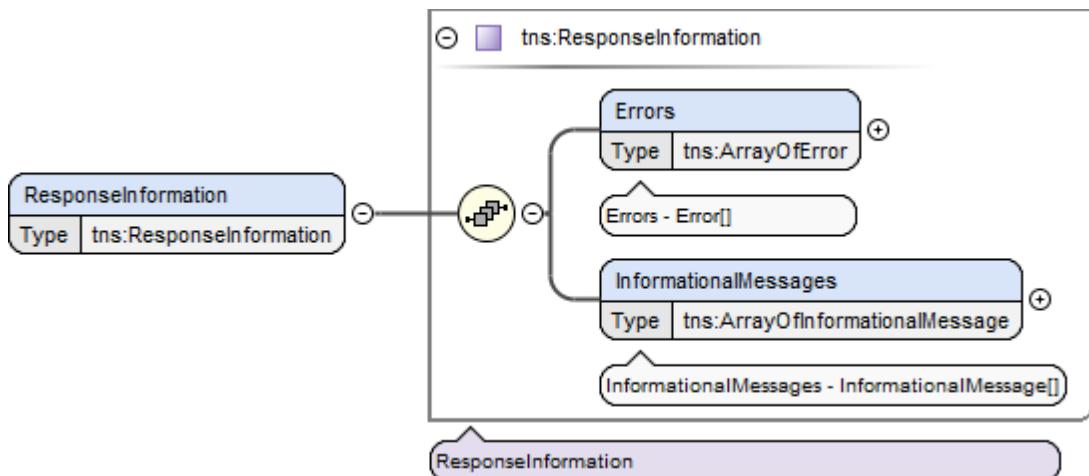
3.27.1.7 Request Diagrams – Days of Operation



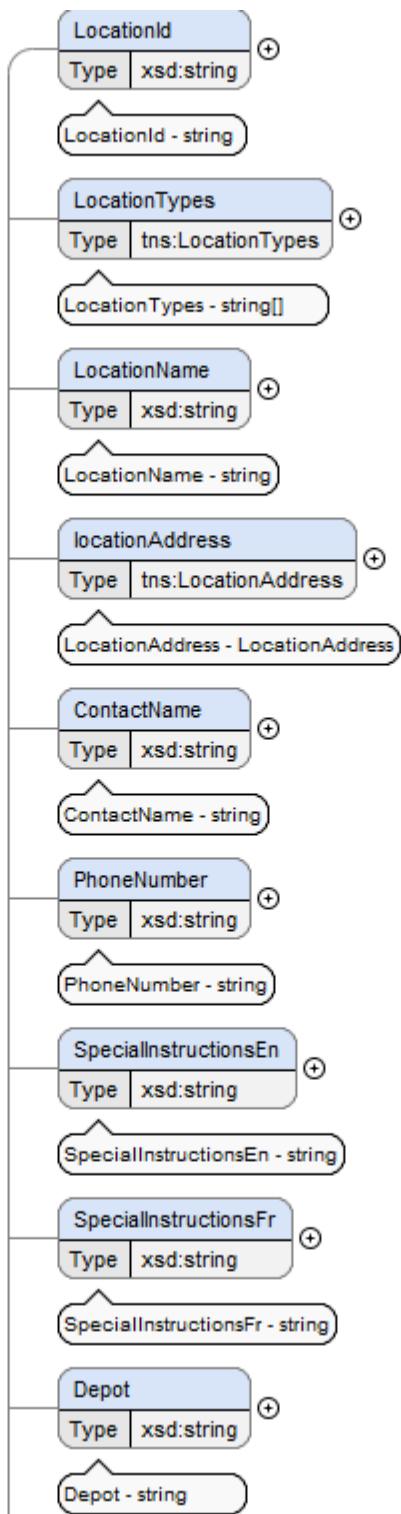
3.27.1.8 Response Diagrams – Get Locations Response

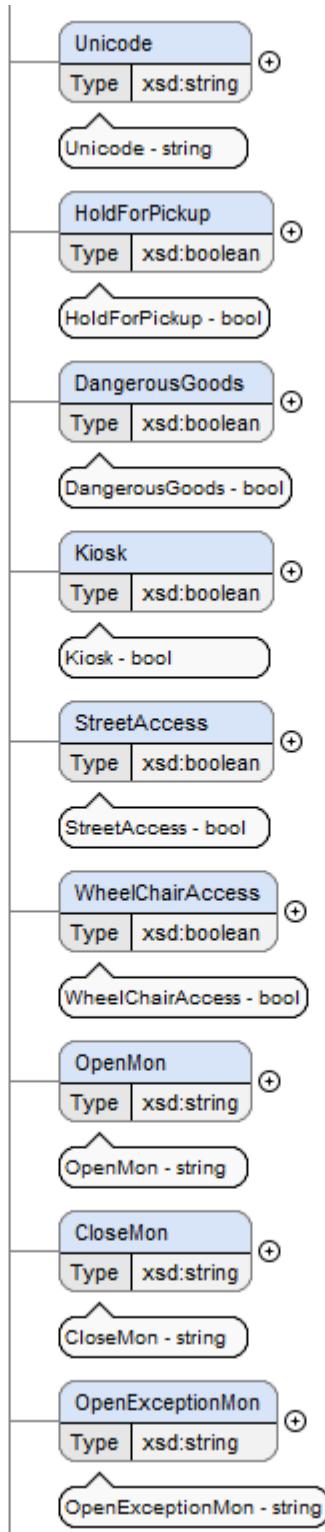


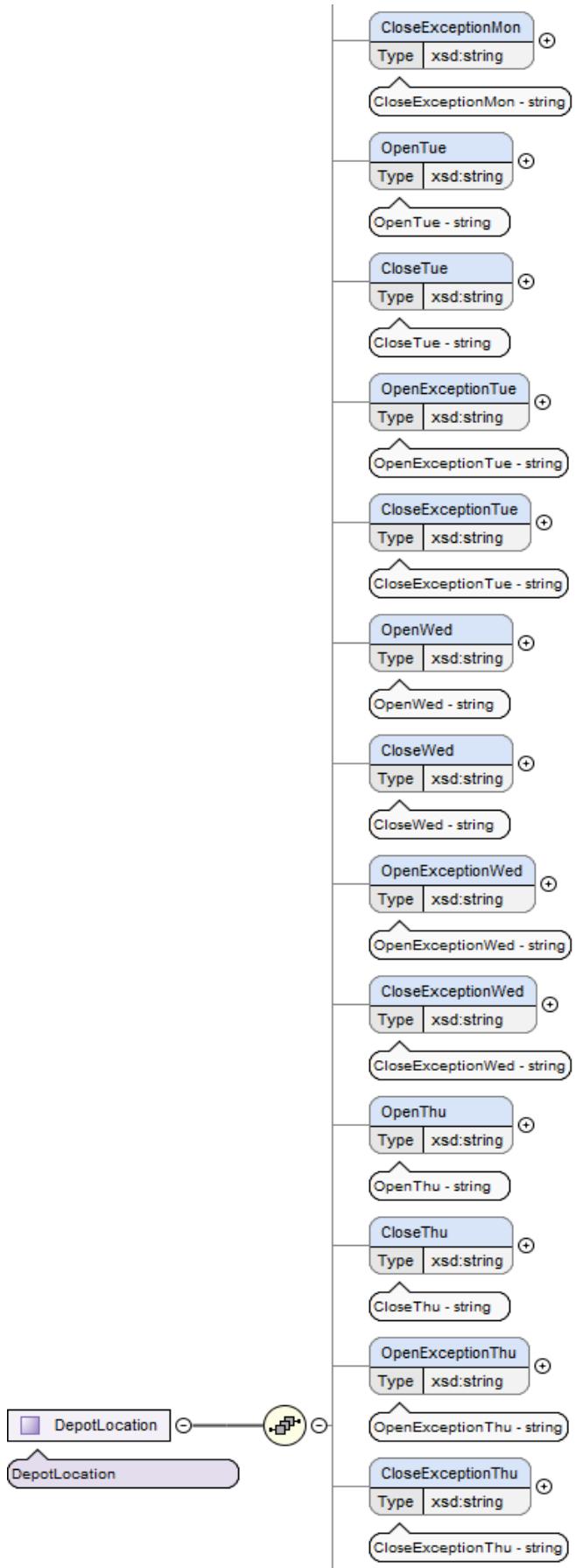
3.27.1.9 Response Diagrams – Response Information

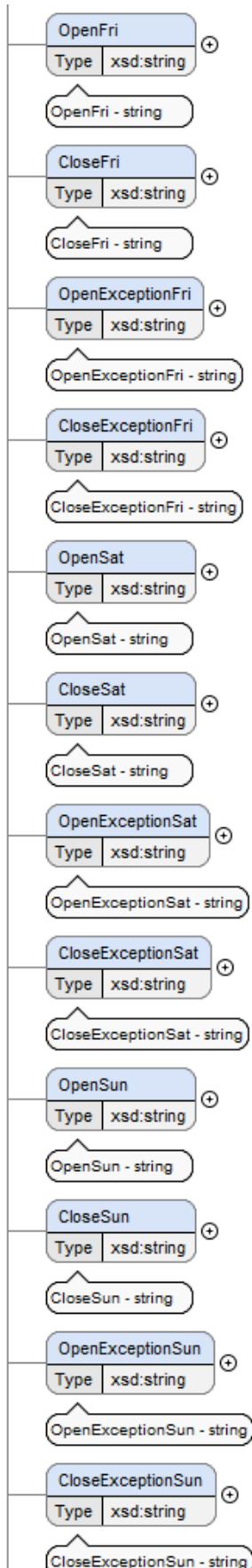


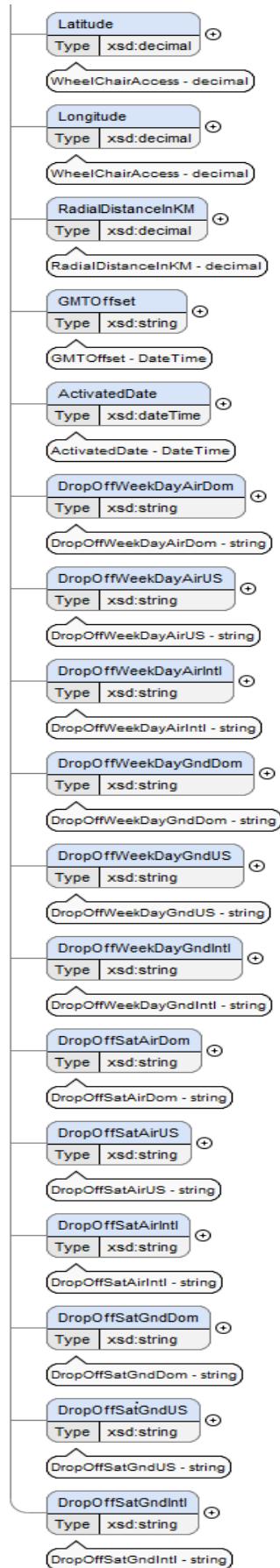
3.27.1.10 Response Diagrams – Depot Locations



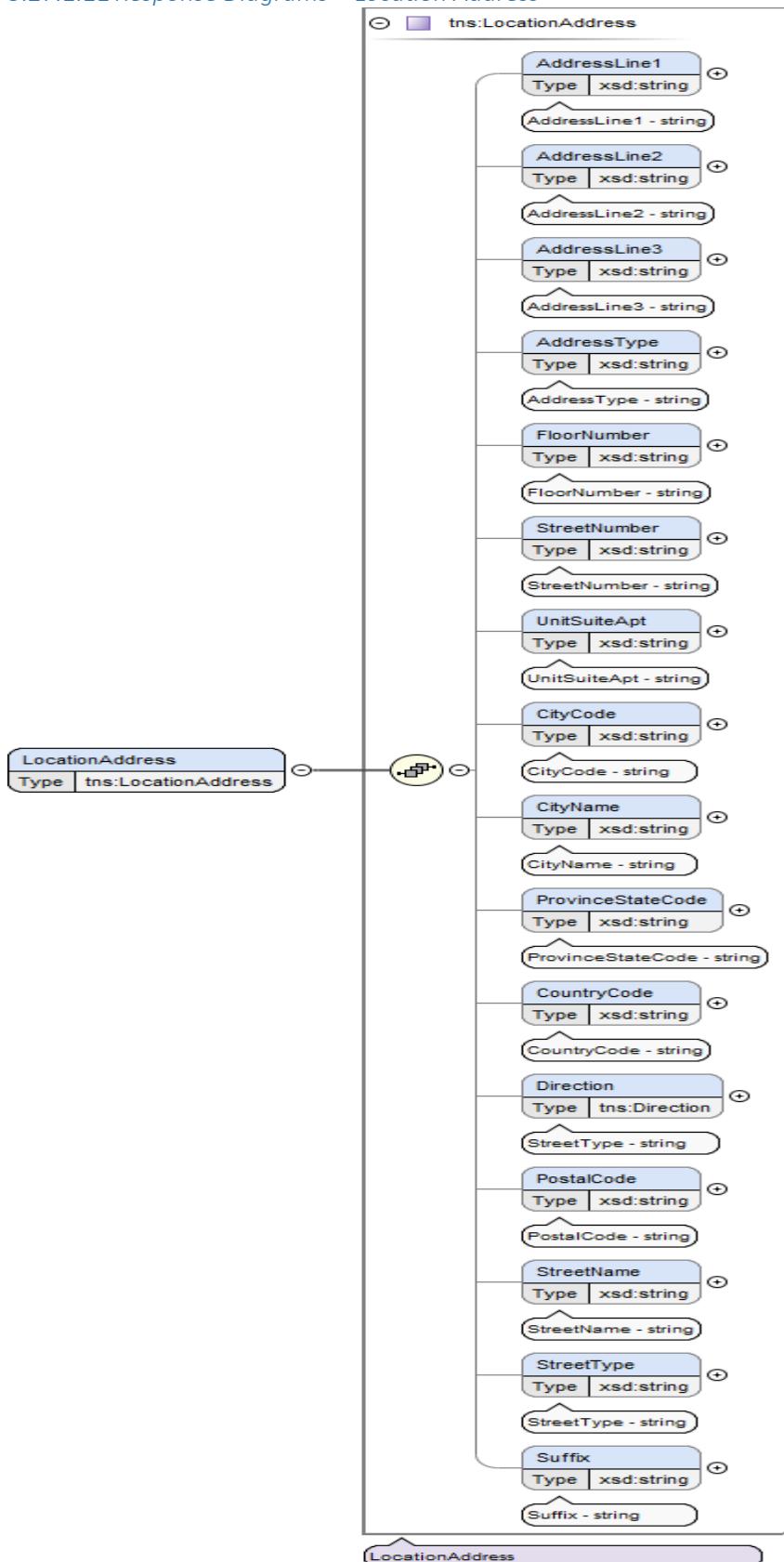






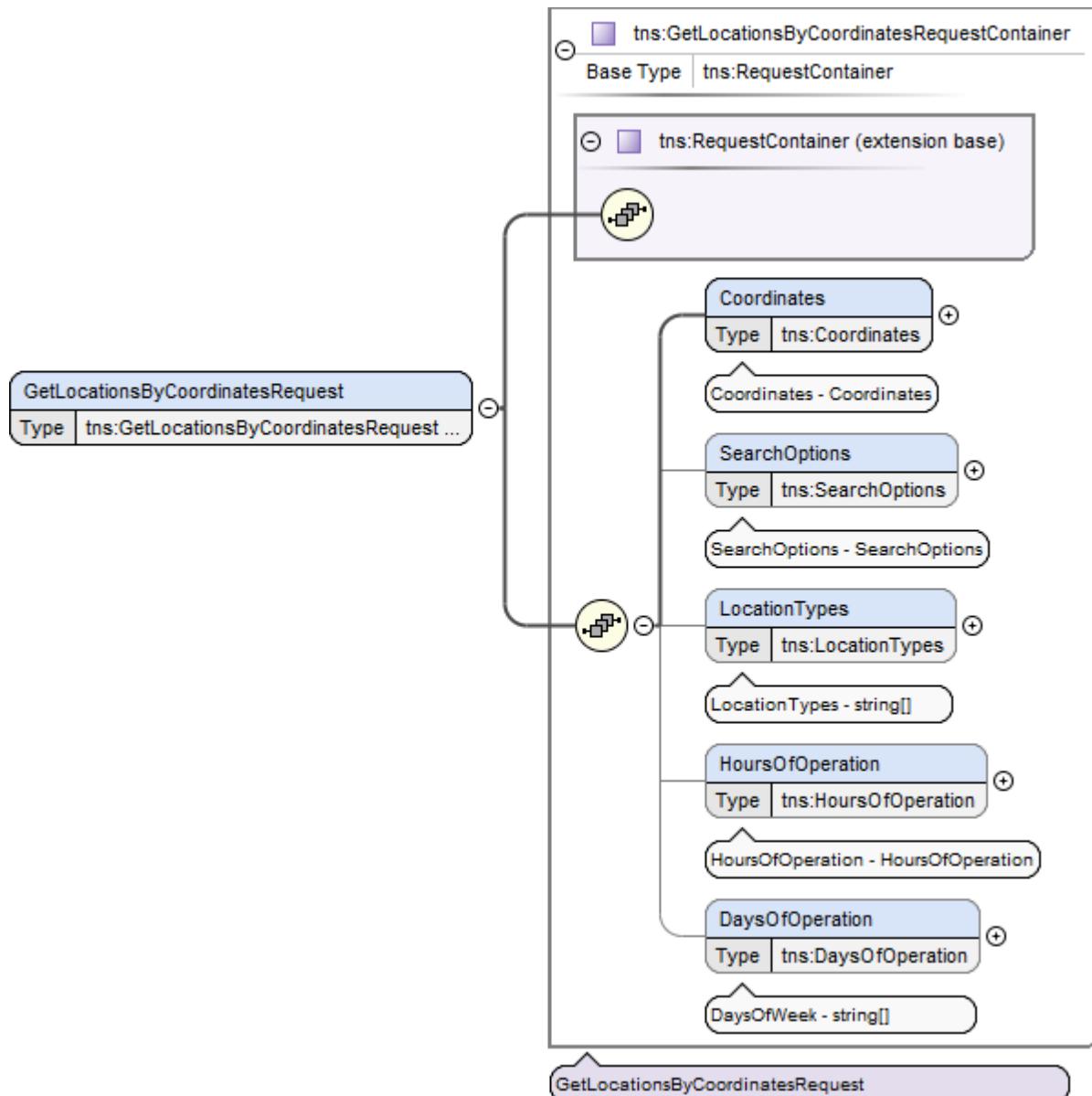


3.27.1.11 Response Diagrams – Location Address

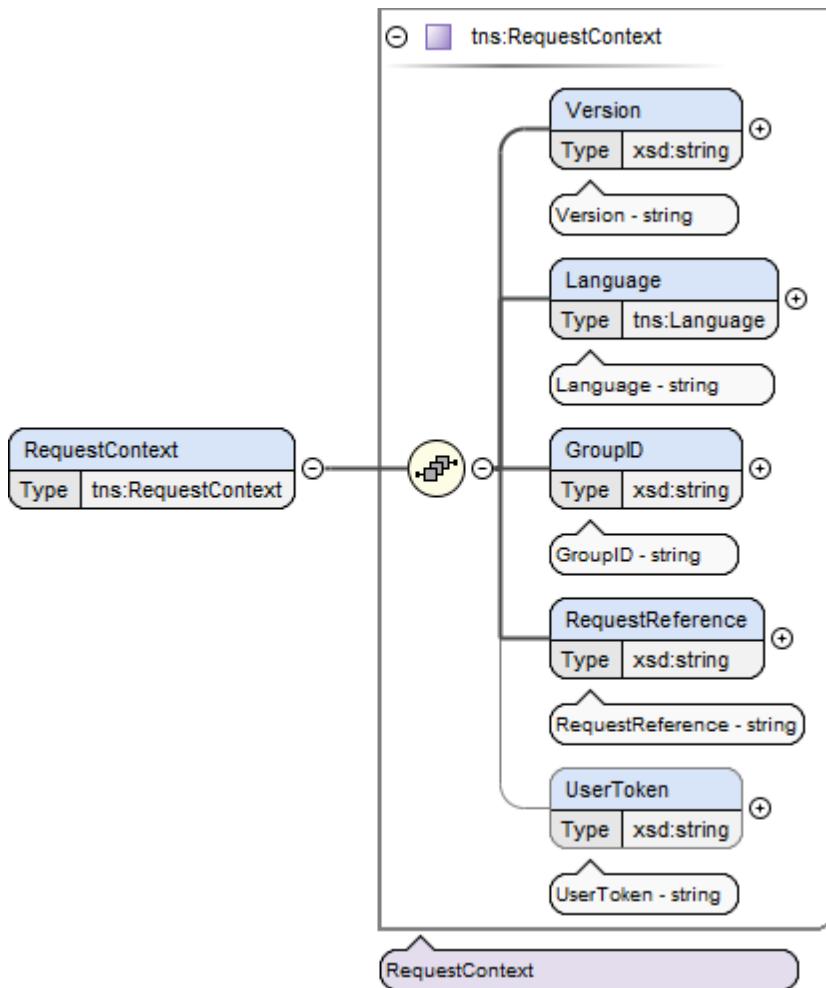


3.27.1.12 Request Diagrams – Get Locations By Coordinates Request

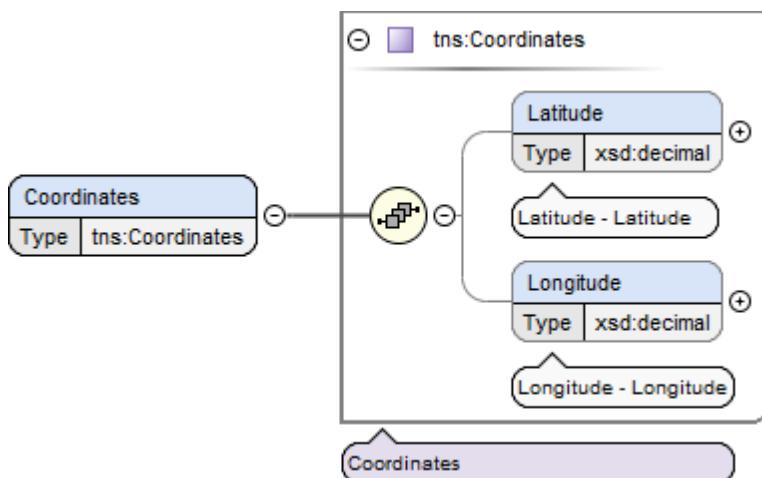
The [GetLocationsByCoordinates](#) Method is used to get the location of the shipments by providing the shipment coordinates information using Purolator EShip Web Services. The diagrams below show the objects contained within the location request.



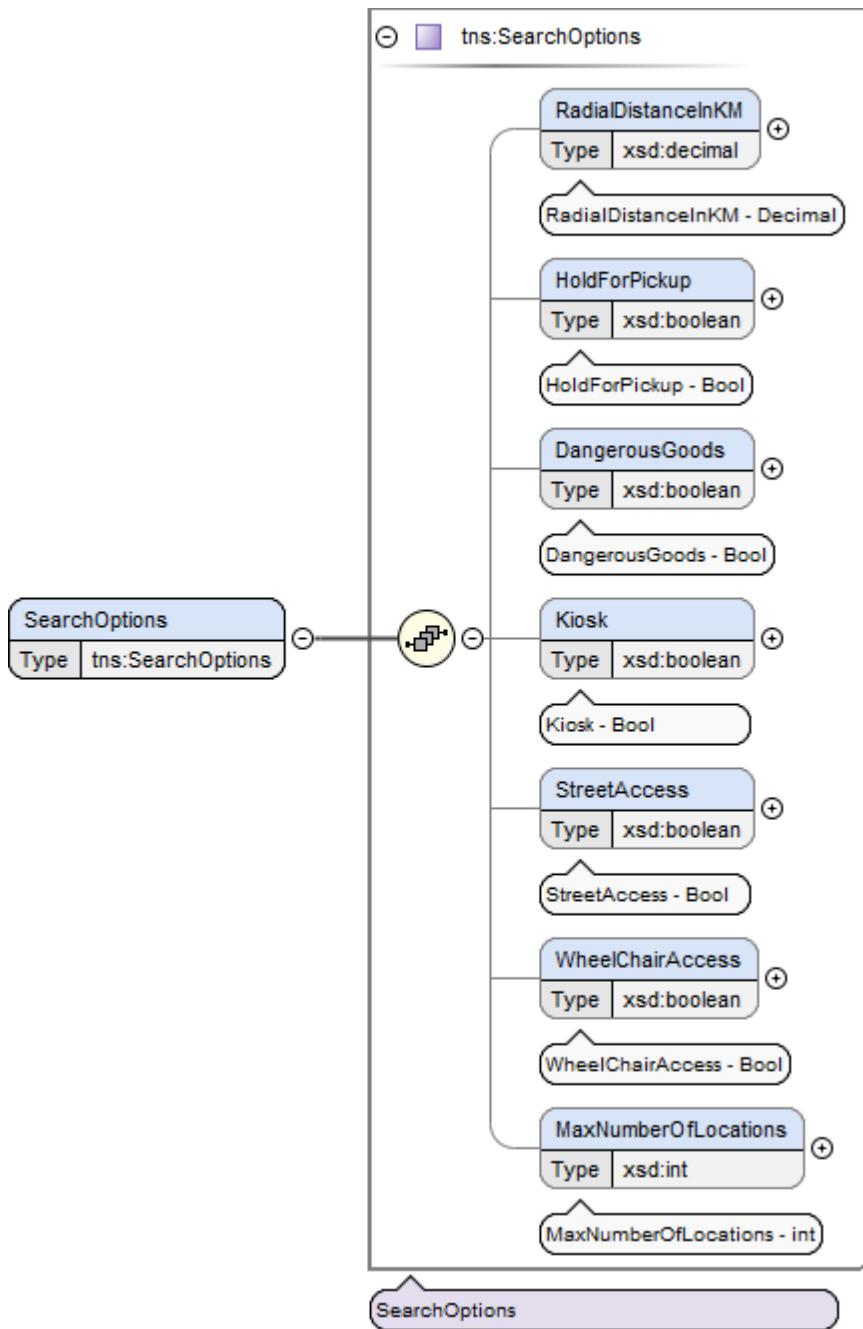
3.27.1.13 Request Diagrams –Request Context



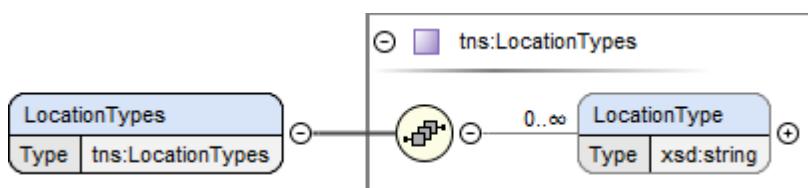
3.27.1.14 Request Diagrams –Coordinates



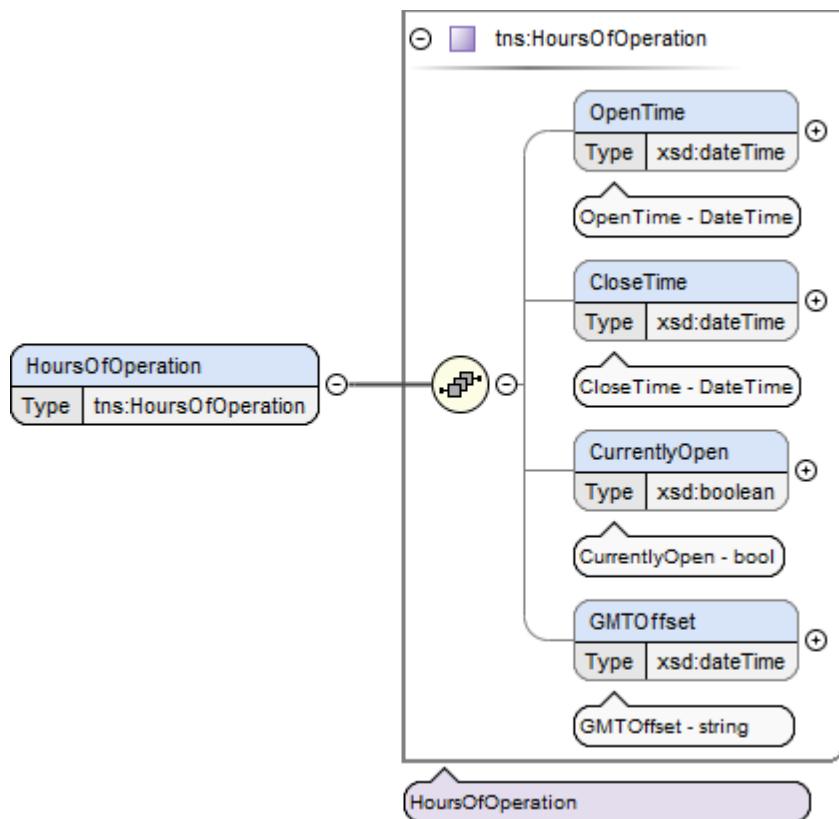
3.27.1.15 Request Diagrams –Search Options



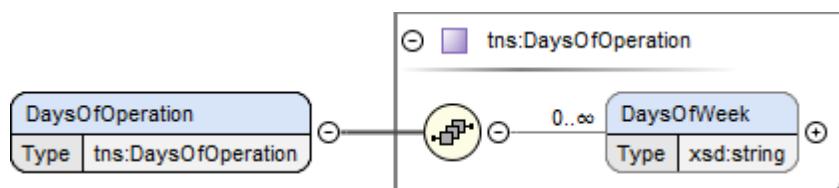
3.27.1.16 Request Diagrams –Location Types



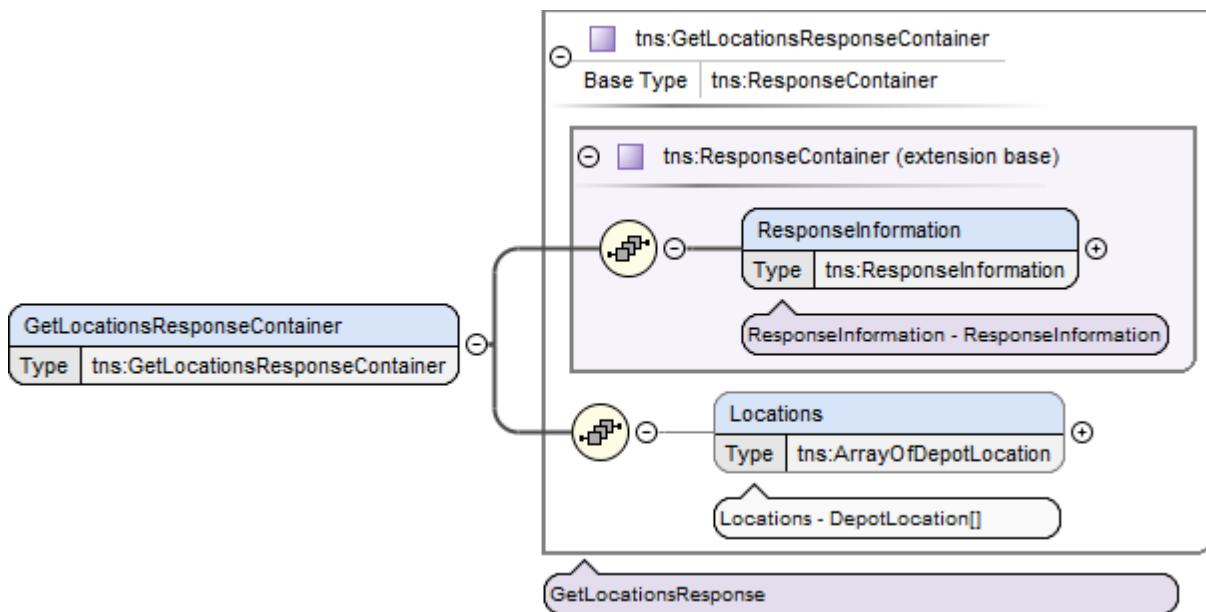
3.27.1.17 Request Diagrams –Hours of Operation



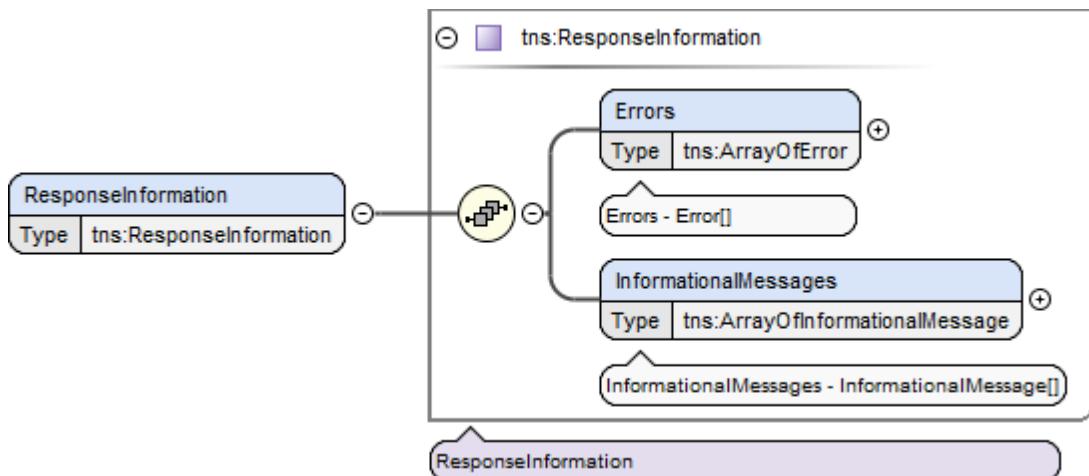
3.27.1.18 Request Diagrams –Days of Operation



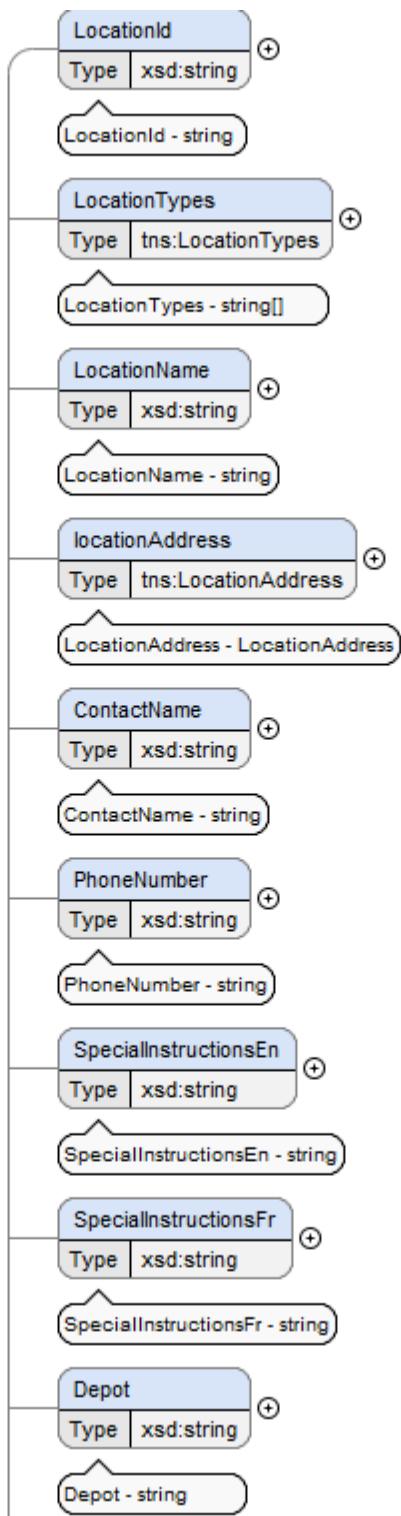
3.27.1.19 Response Diagrams – Get Locations Response

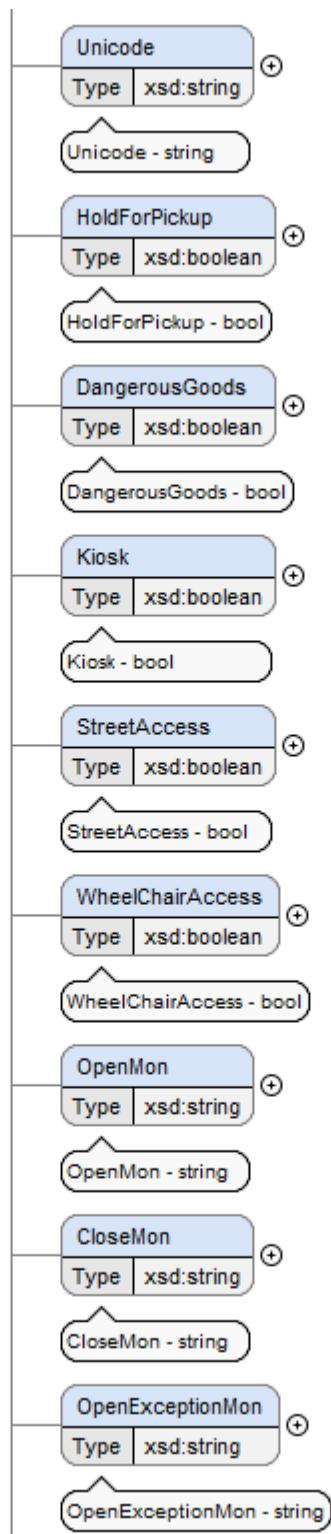


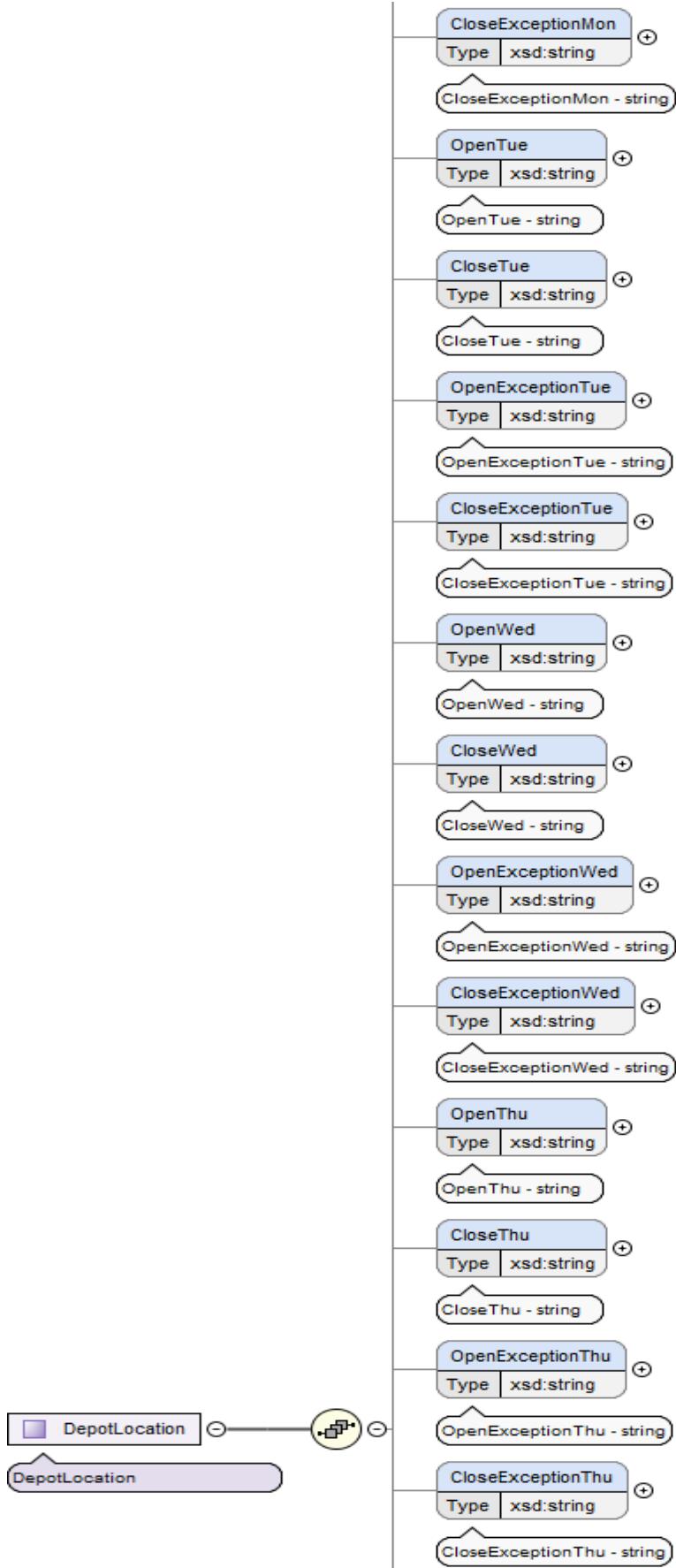
3.27.1.20 Response Diagrams – Response Information

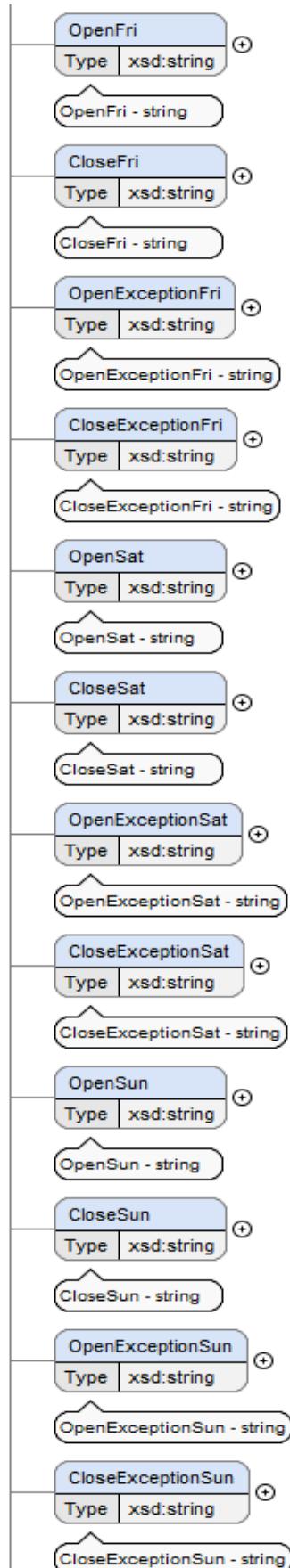


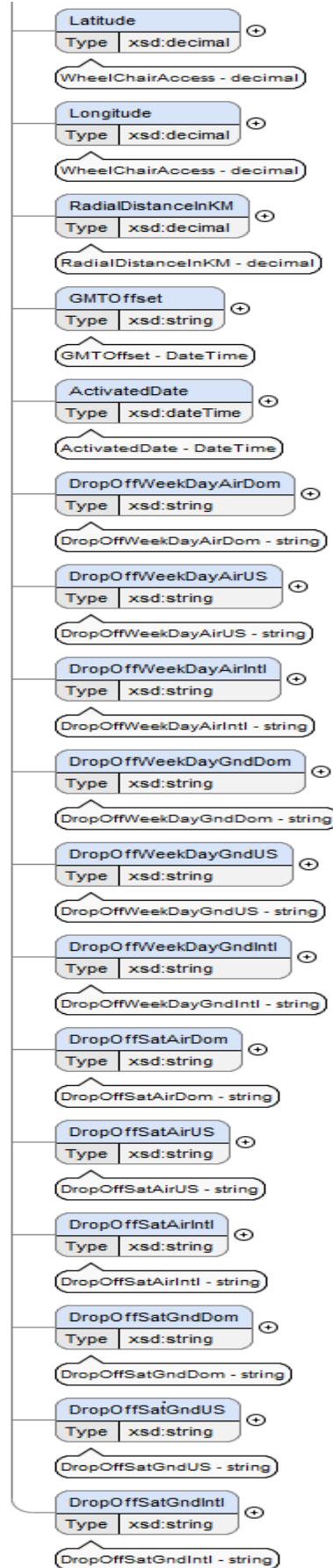
3.27.1.21 Response Diagrams – Depot Locations



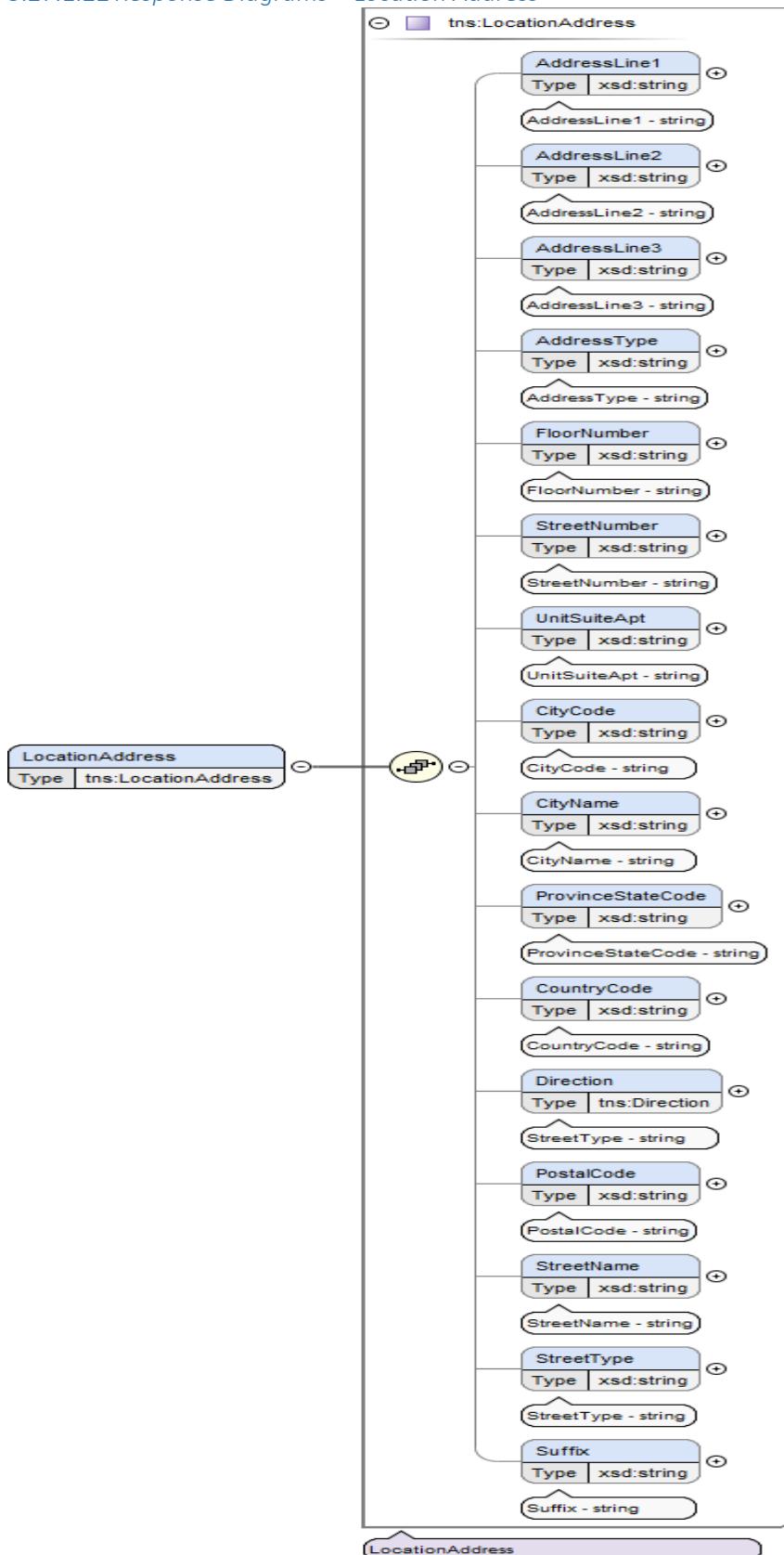






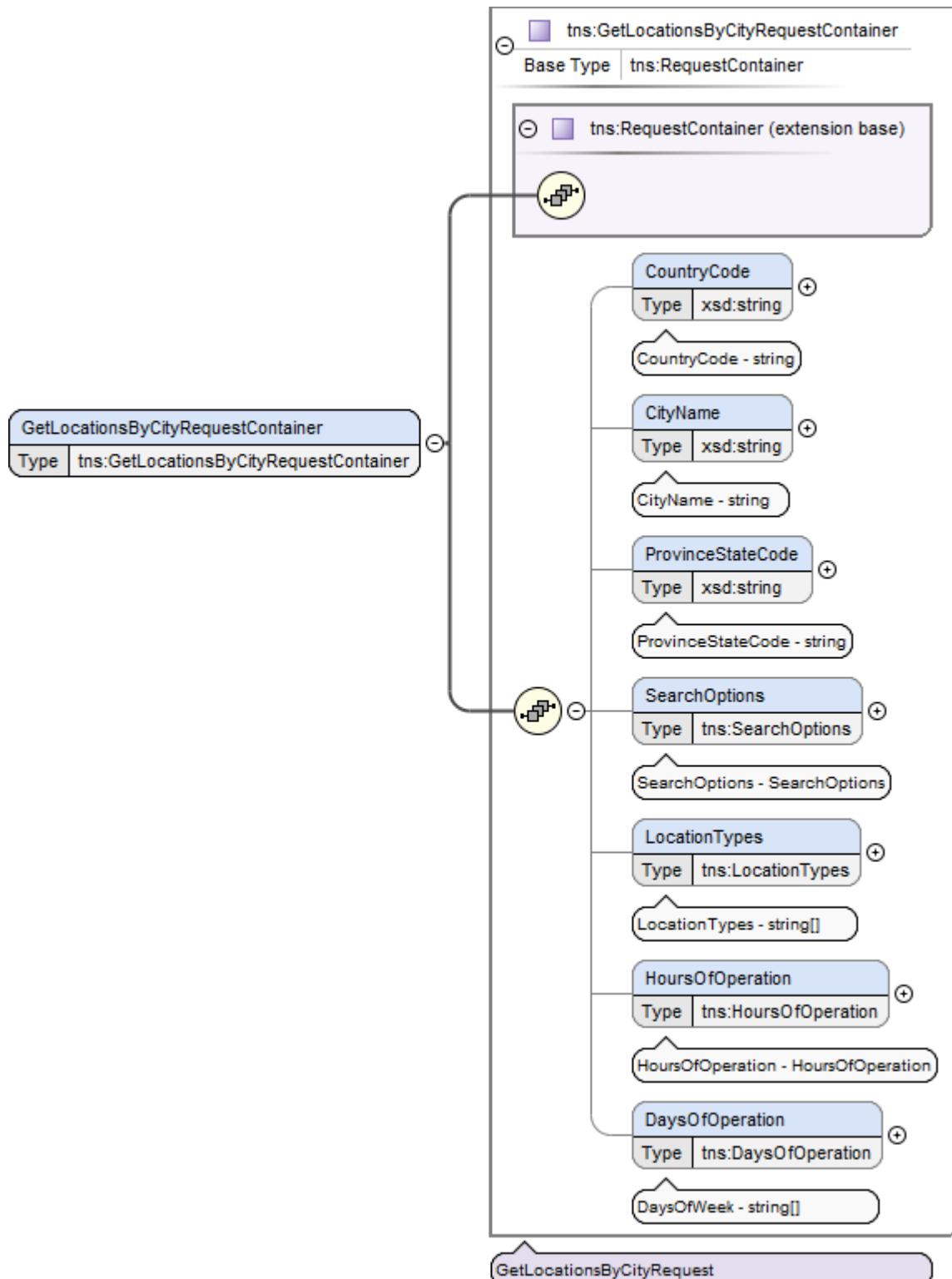


3.27.1.22 Response Diagrams – Location Address

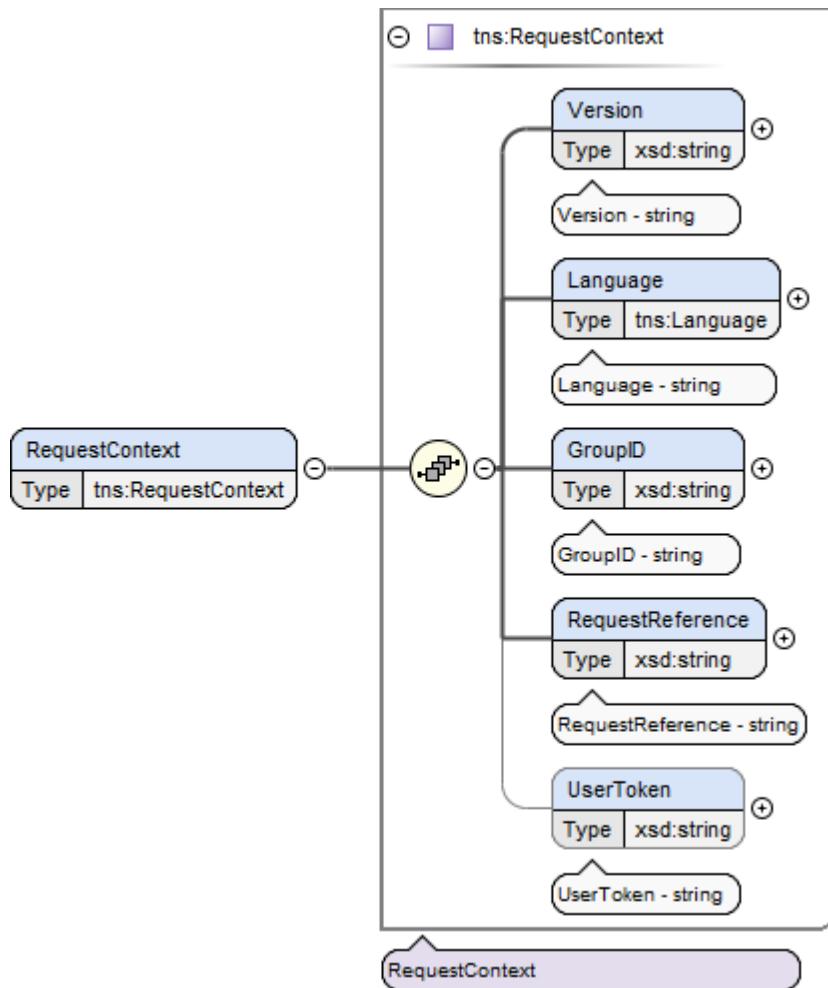


3.27.1.23 Request Diagrams – Get Locations By City Request

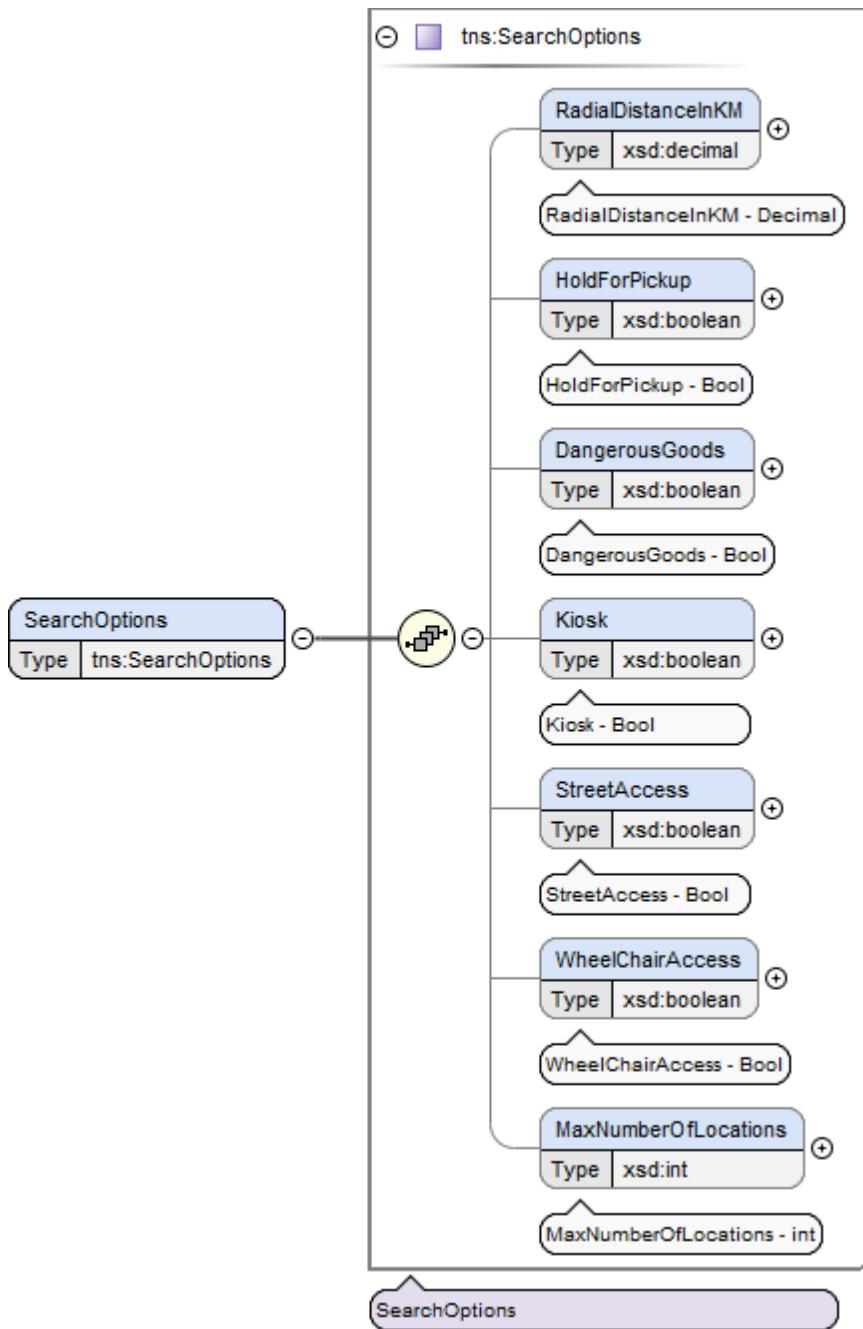
The [GetLocationsByCity](#) Method is used to get the location of the shipments by providing the shipment City information using Purolator EShip Web Services. The diagrams below show the objects contained within the location request.



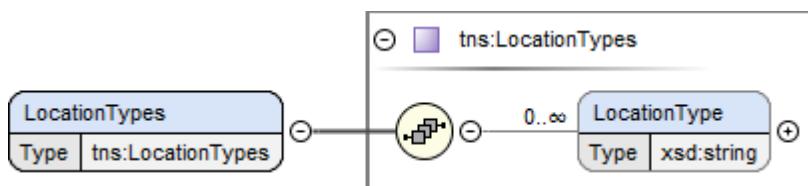
3.27.1.24 Request Diagrams – Request Context



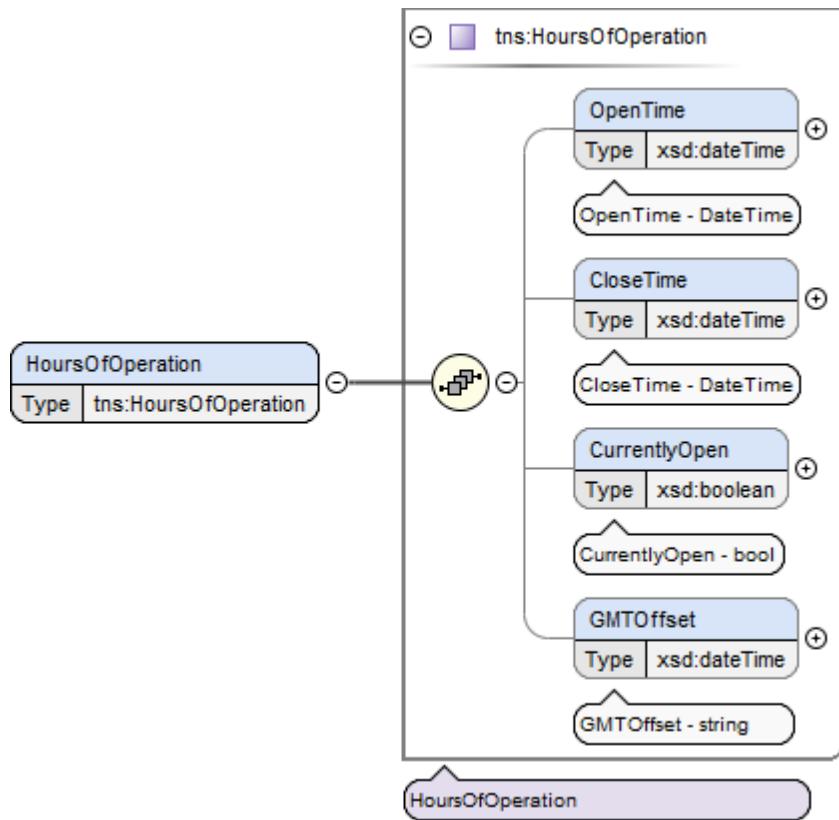
3.27.1.25 Request Diagrams – Search Options



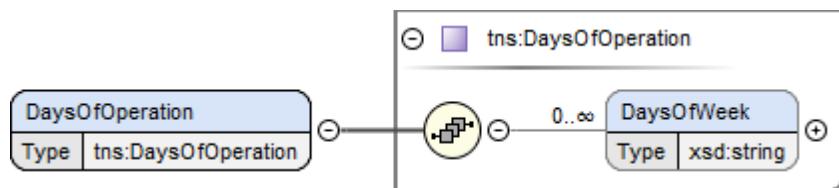
3.27.1.26 Request Diagrams – Location Types



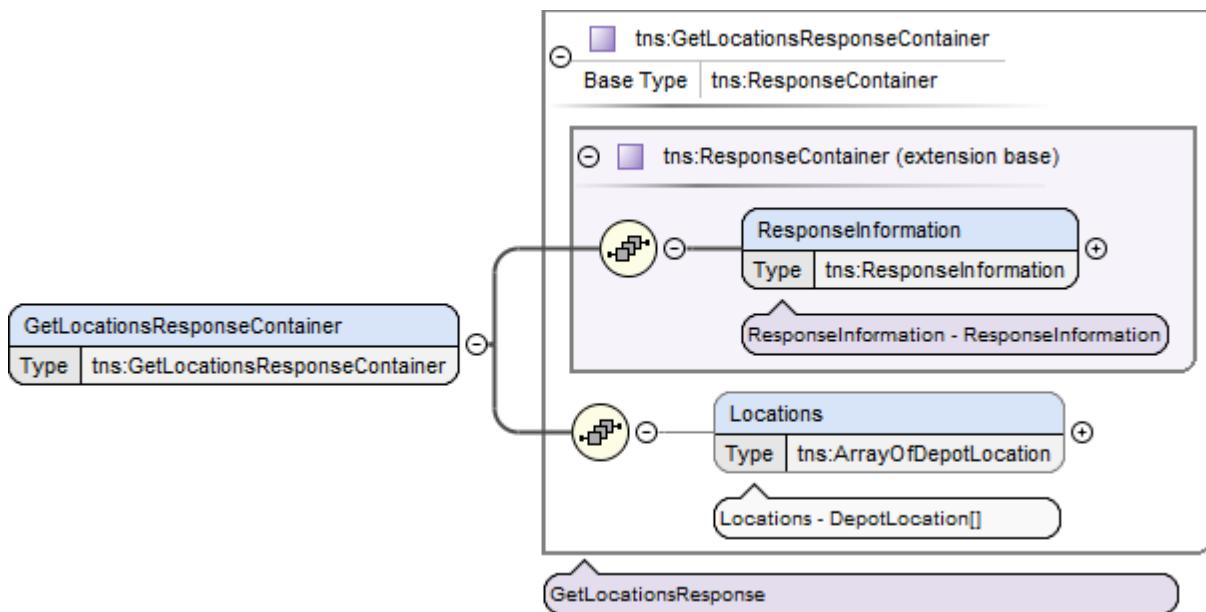
3.27.1.27 Request Diagrams – Hours of Operation



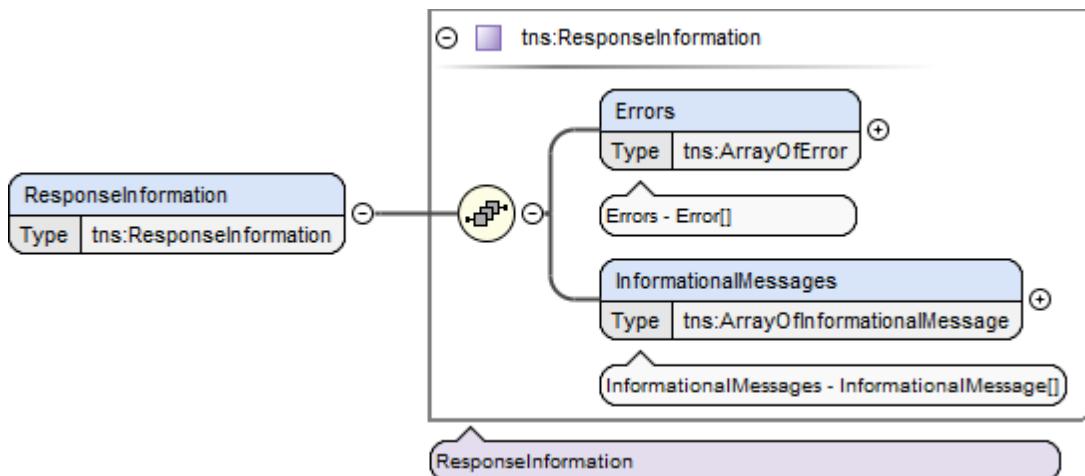
3.27.1.28 Request Diagrams – Days of Operation



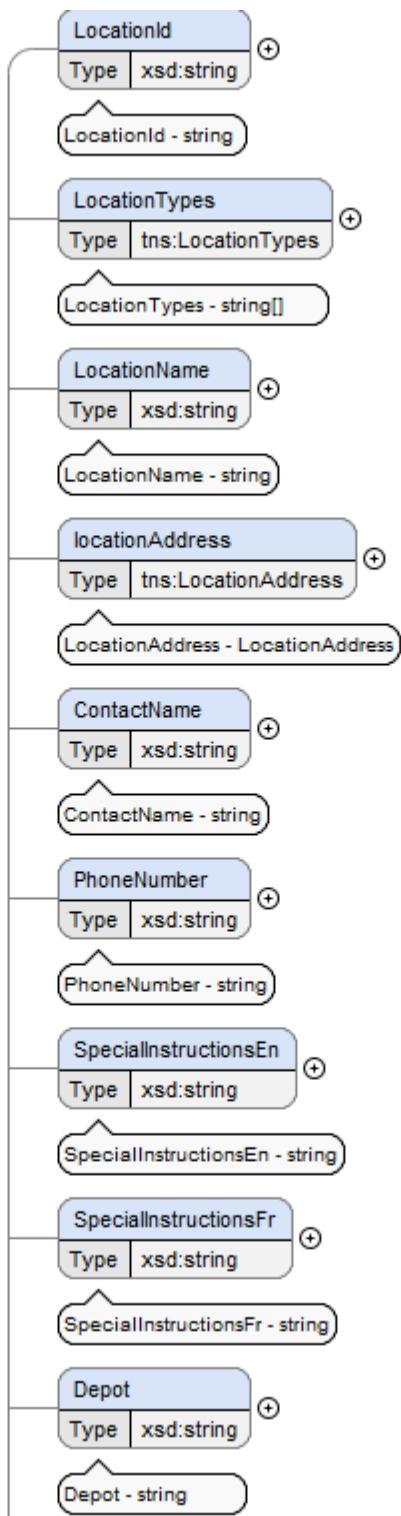
3.27.1.29 Response Diagrams – Get Locations Response

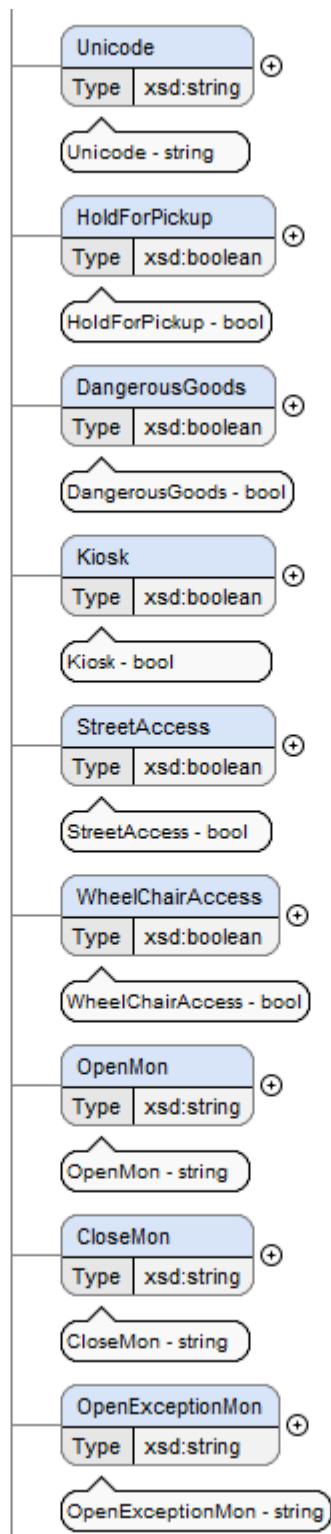


3.27.1.30 Response Diagrams – Response Information

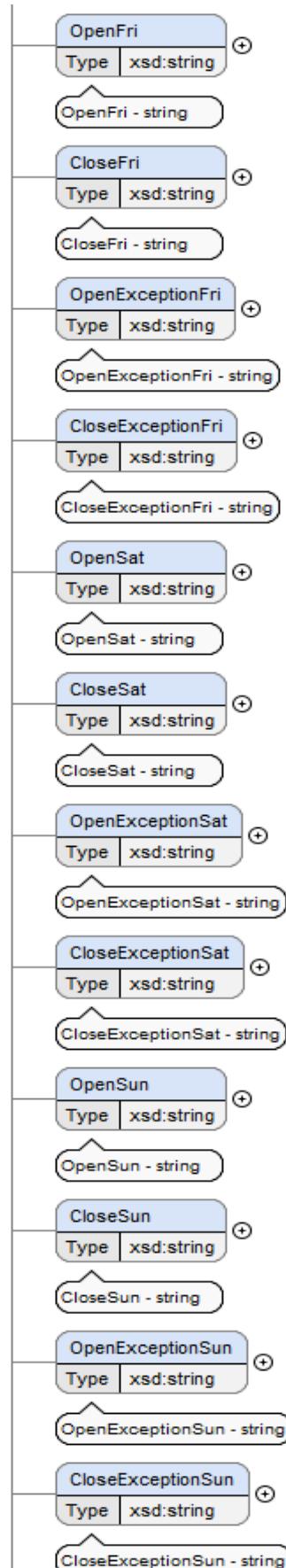


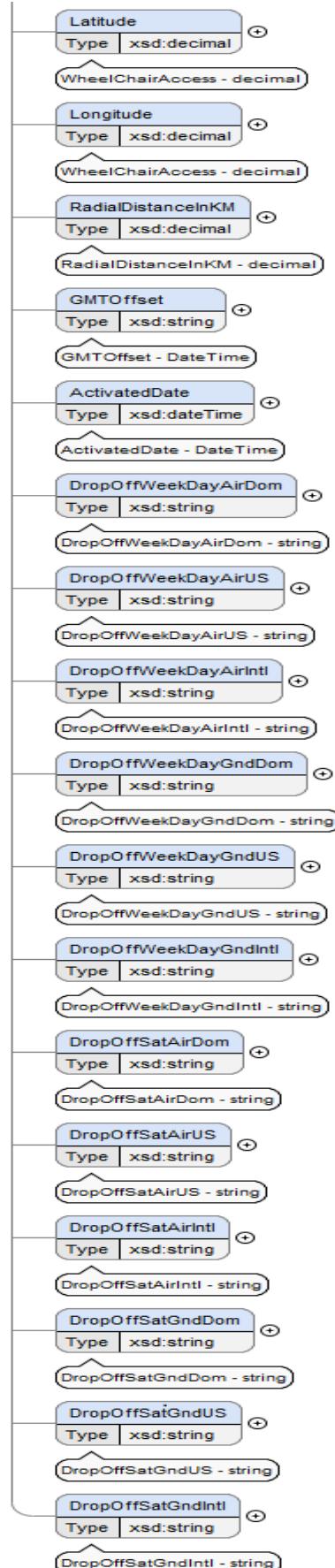
3.27.1.31 Response Diagrams – Depot Locations



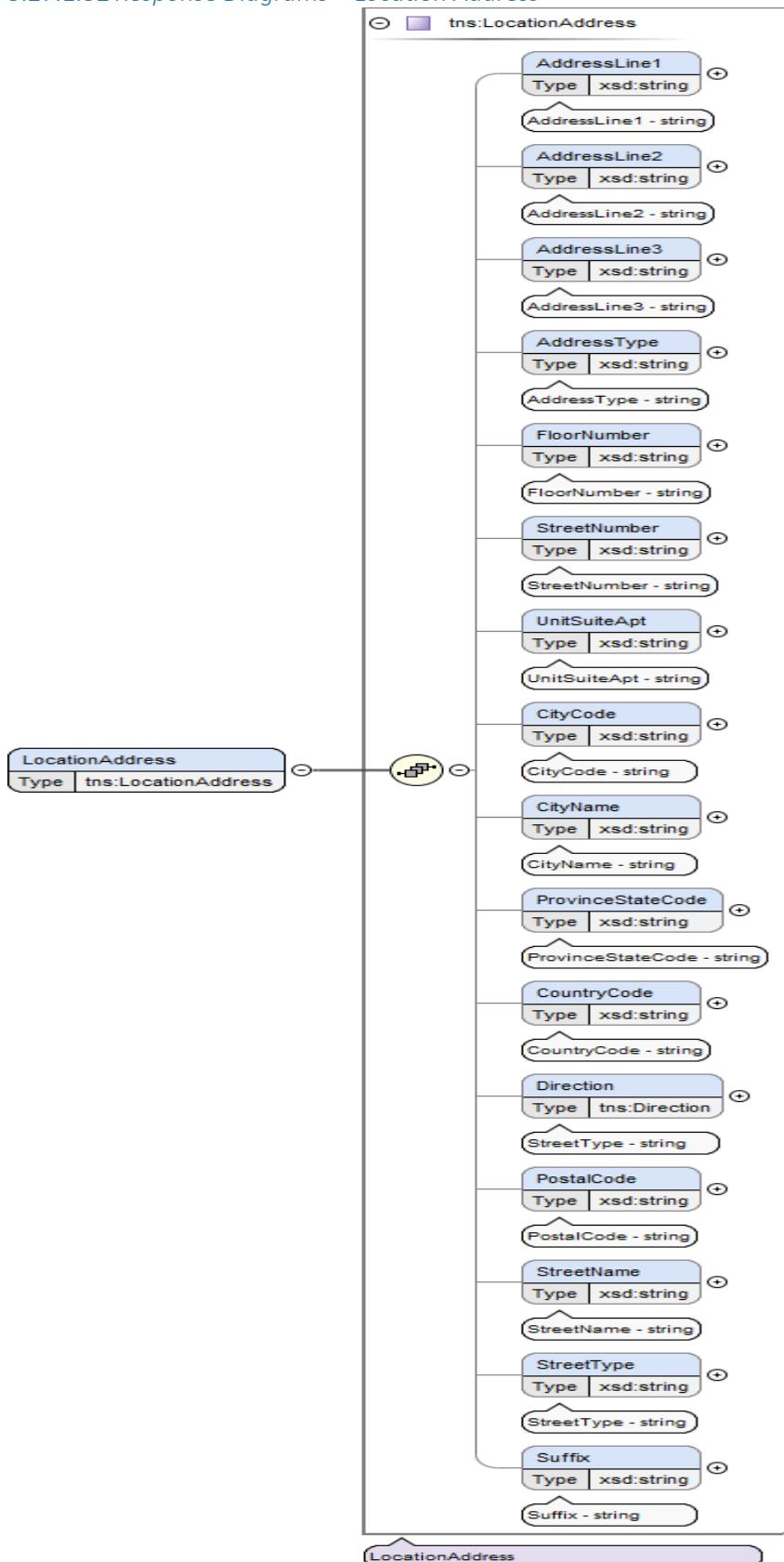






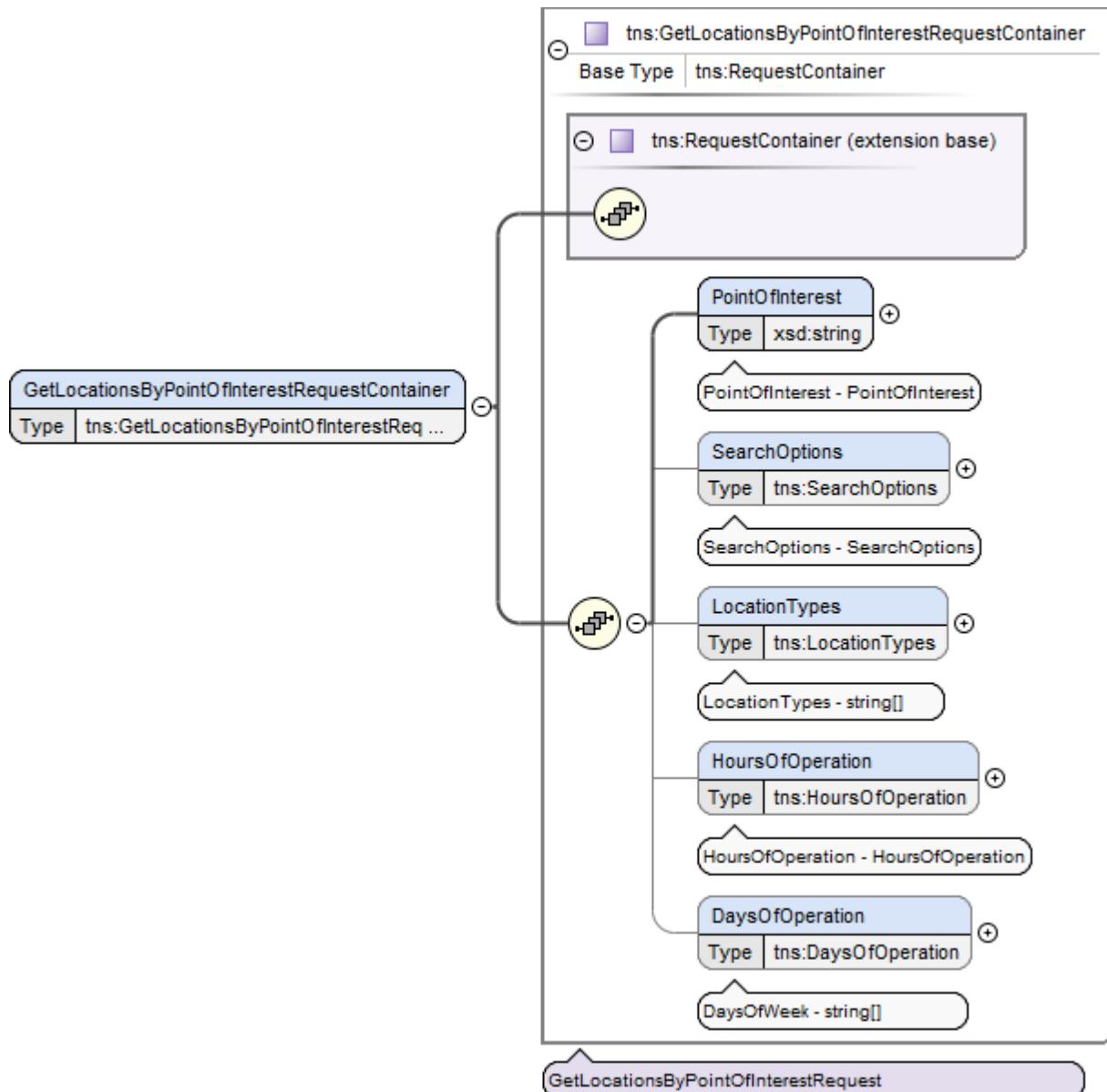


3.27.1.32 Response Diagrams – Location Address

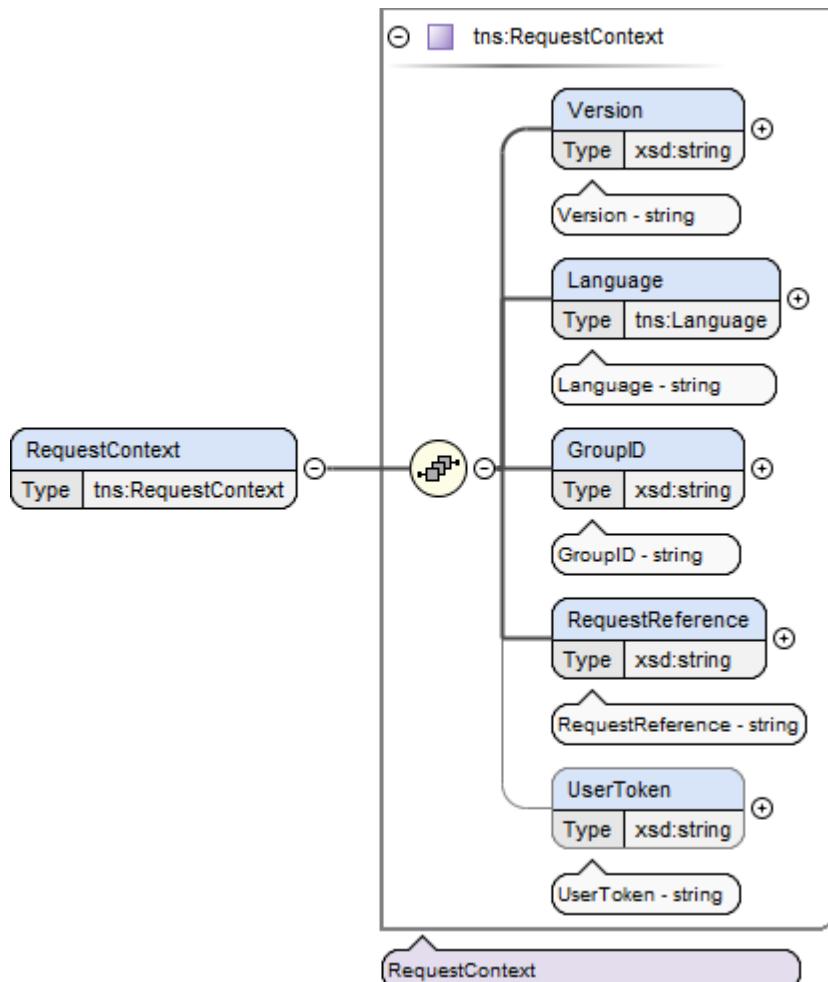


3.27.1.33 Request Diagrams – Get Locations By Point of Interest Request

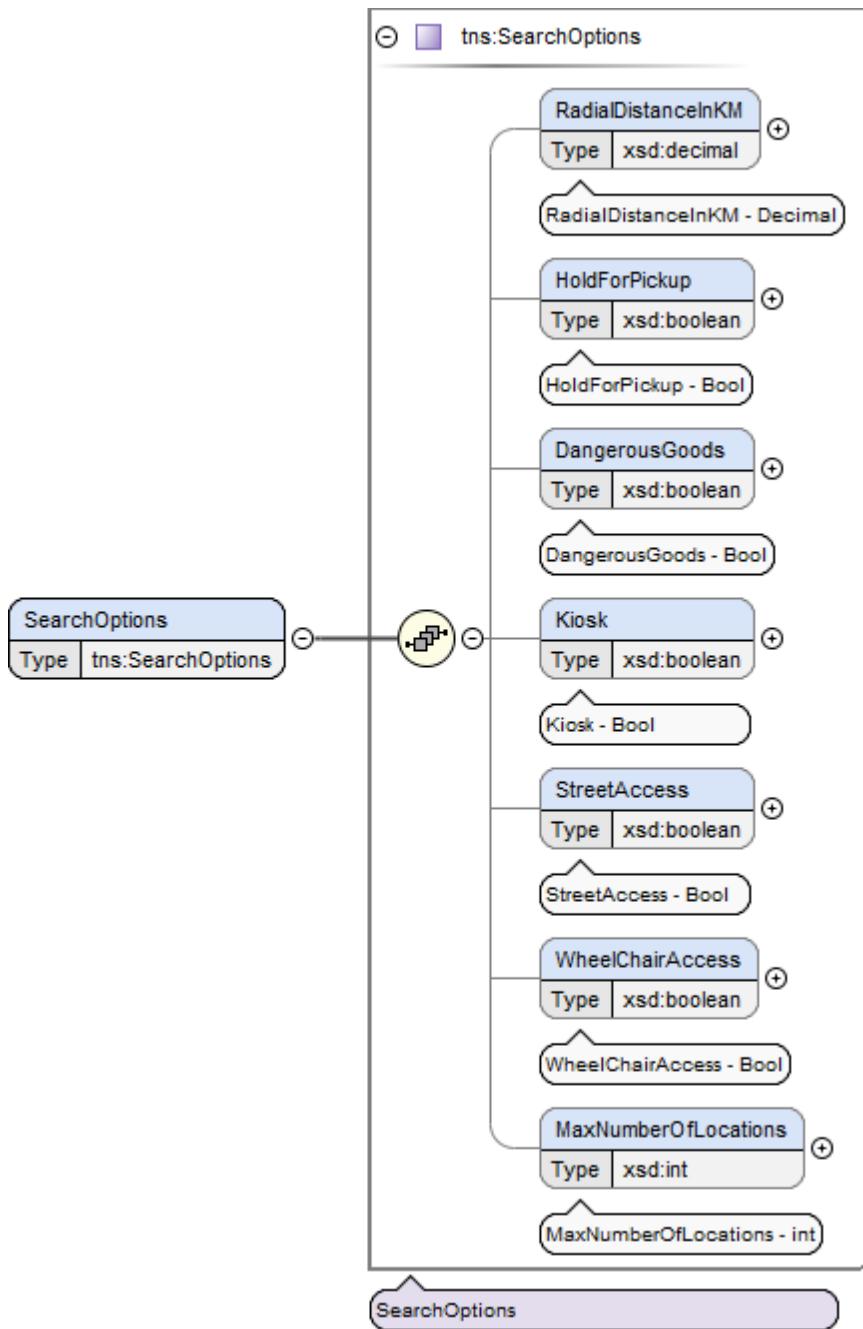
The GetLocationsByPointOfInterest Method is used to get the location of the shipments by providing the shipment Point of Interest using Purolator EShip Web Services. The diagrams below show the objects contained within the location request.



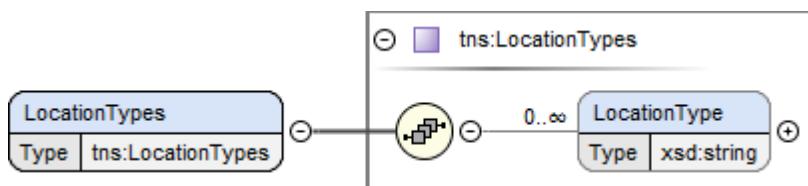
3.27.1.34 Request Diagrams –Request Context



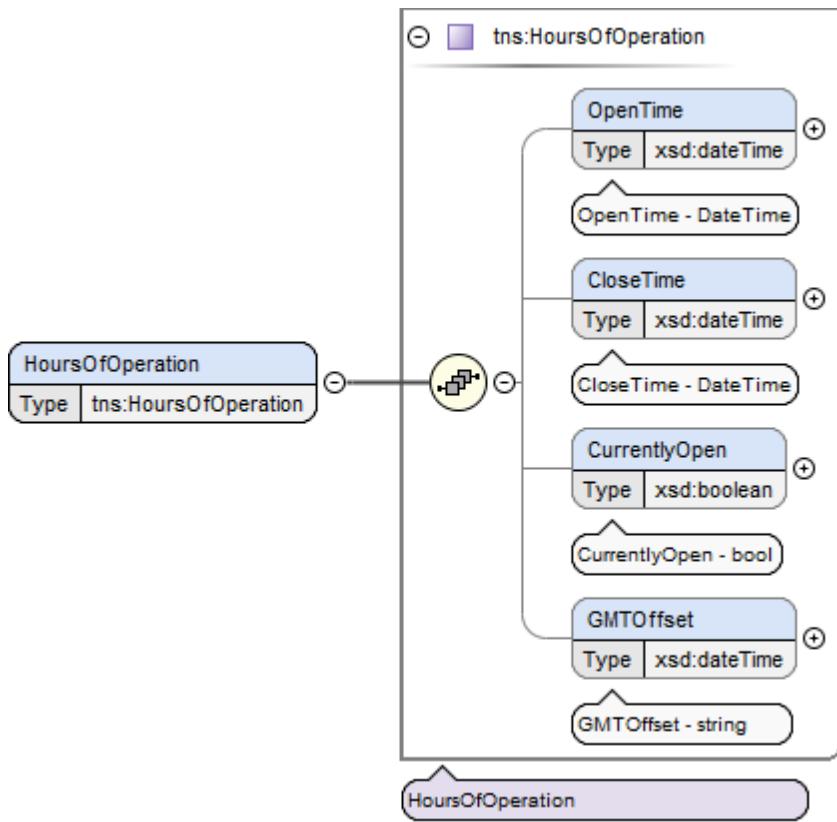
3.27.1.35 Request Diagrams – Search Options



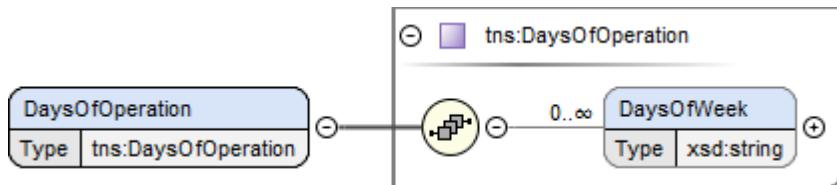
3.27.1.36 Request Diagrams – Location Types



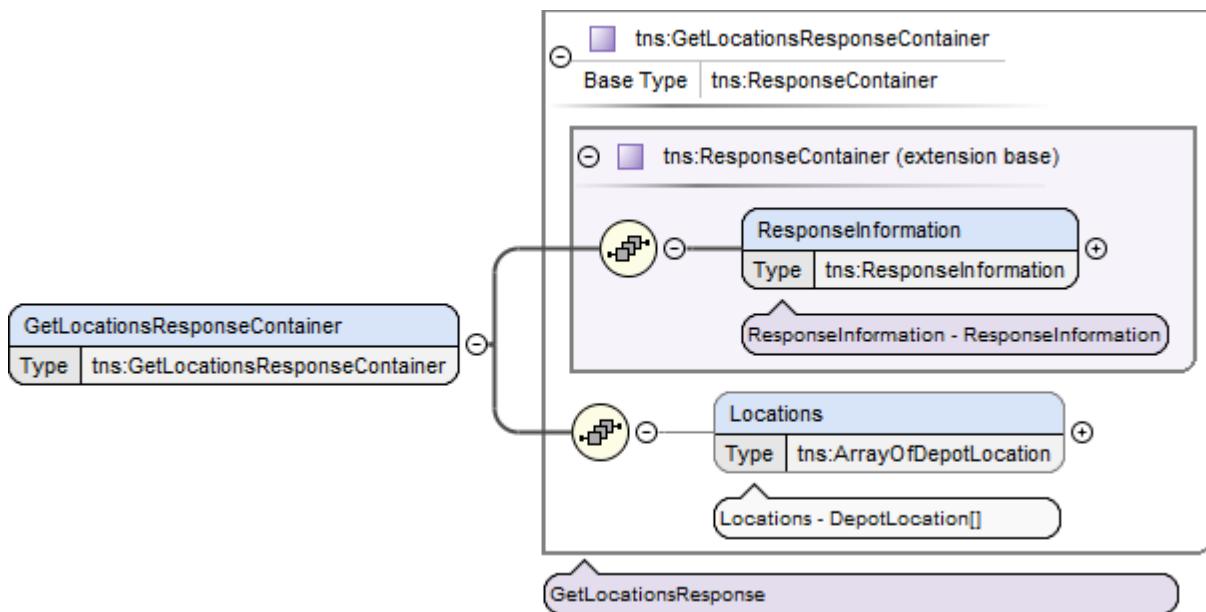
3.27.1.37 Request Diagrams – Hours of Operation



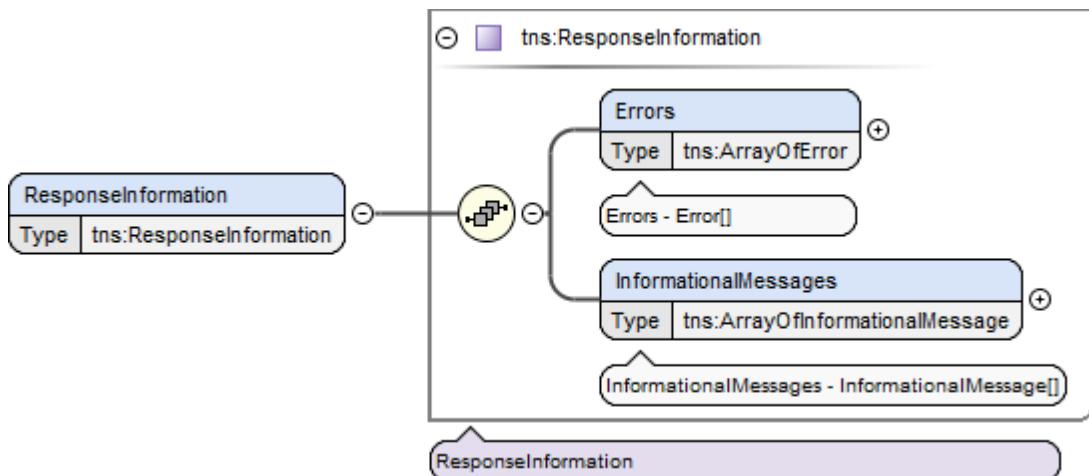
3.27.1.38 Request Diagrams – Days of Operation



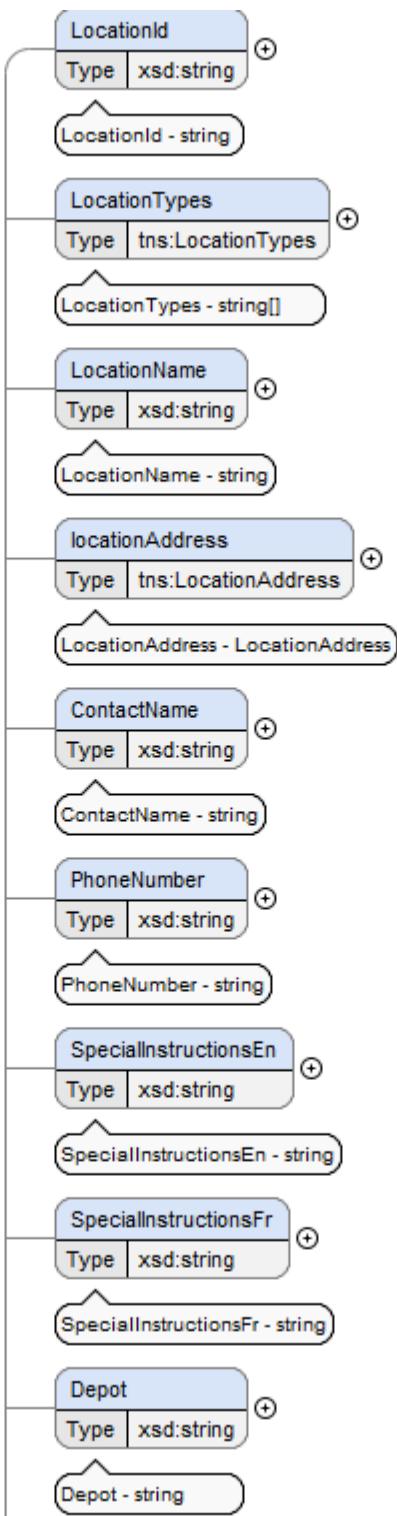
3.27.1.39 Request Diagrams – Get Locations Response

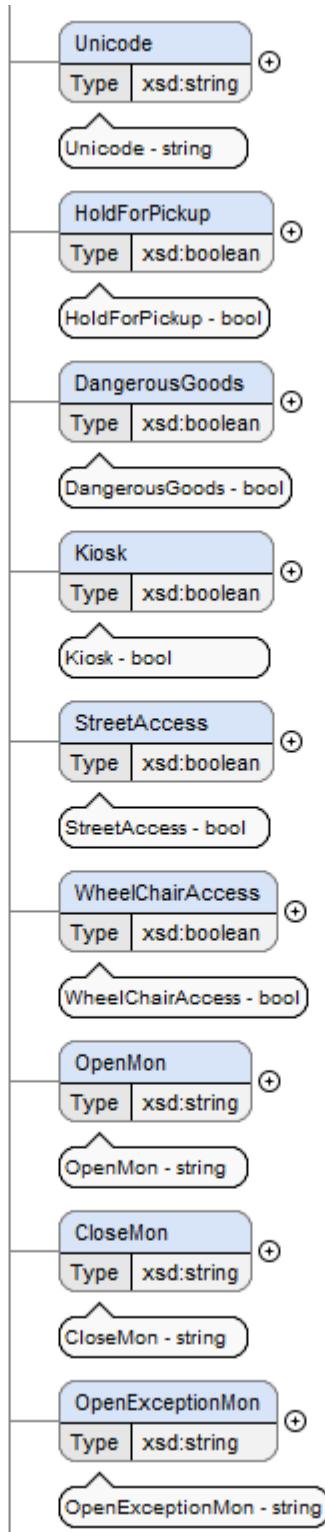


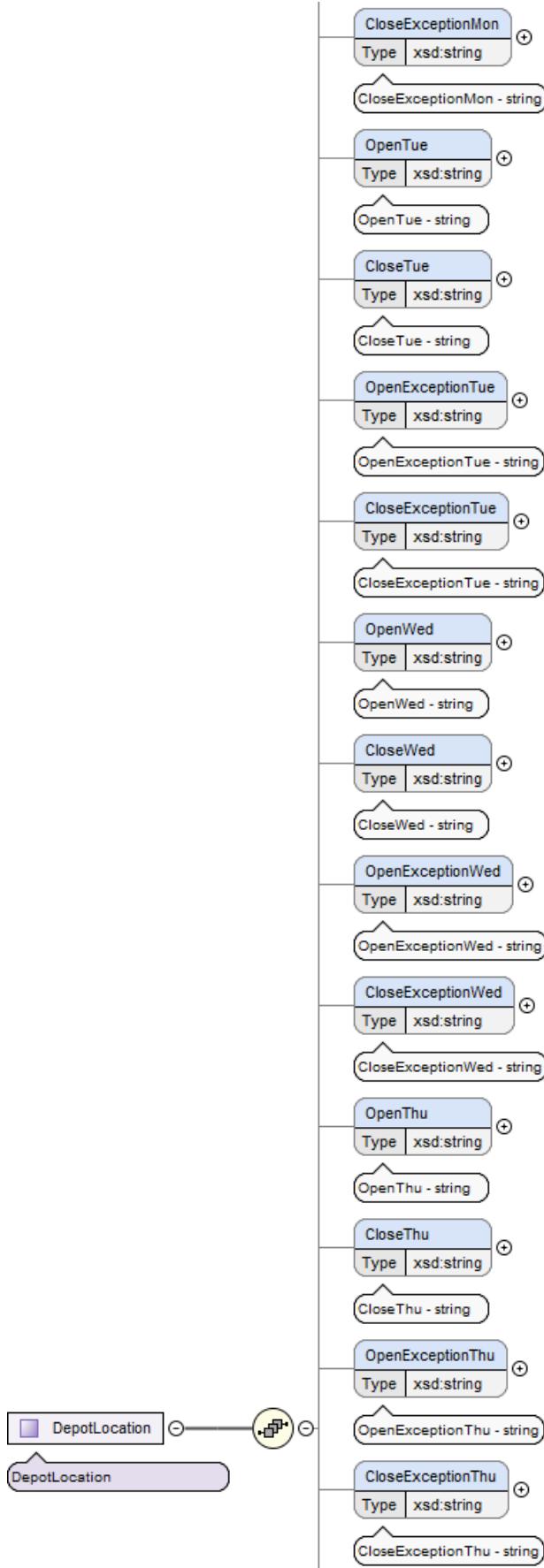
3.27.1.40 Request Diagrams – Response Information

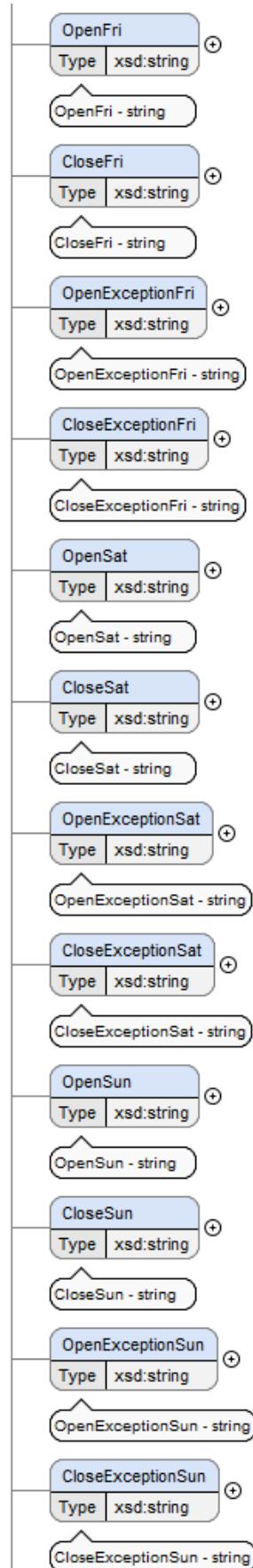


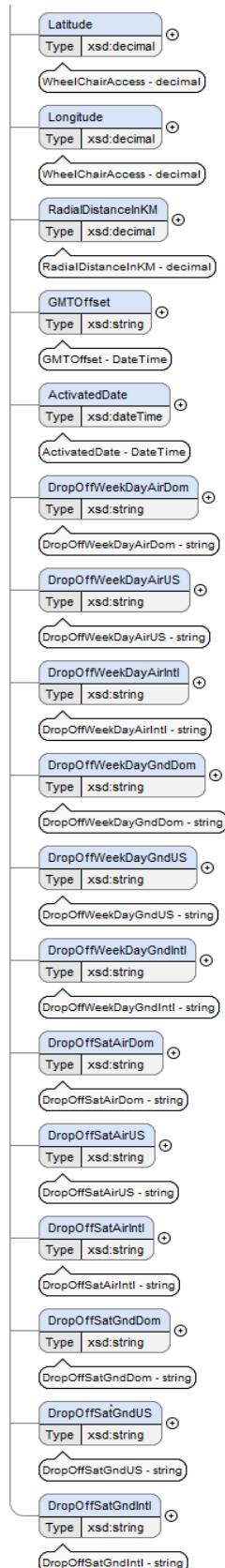
3.27.1.41 Request Diagrams – Depot Locations



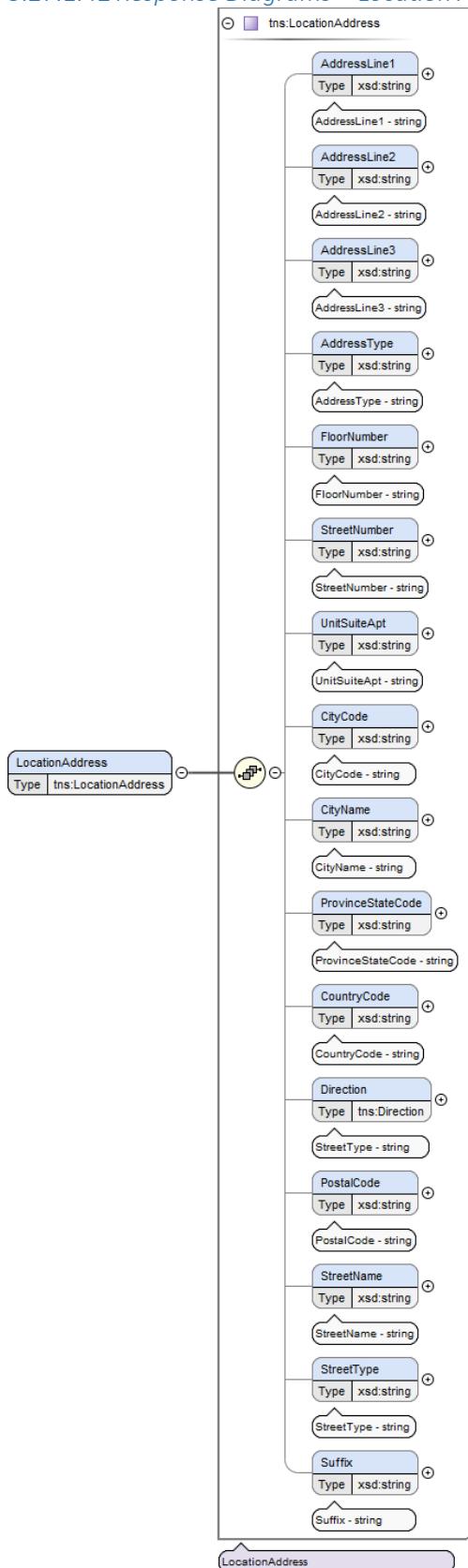






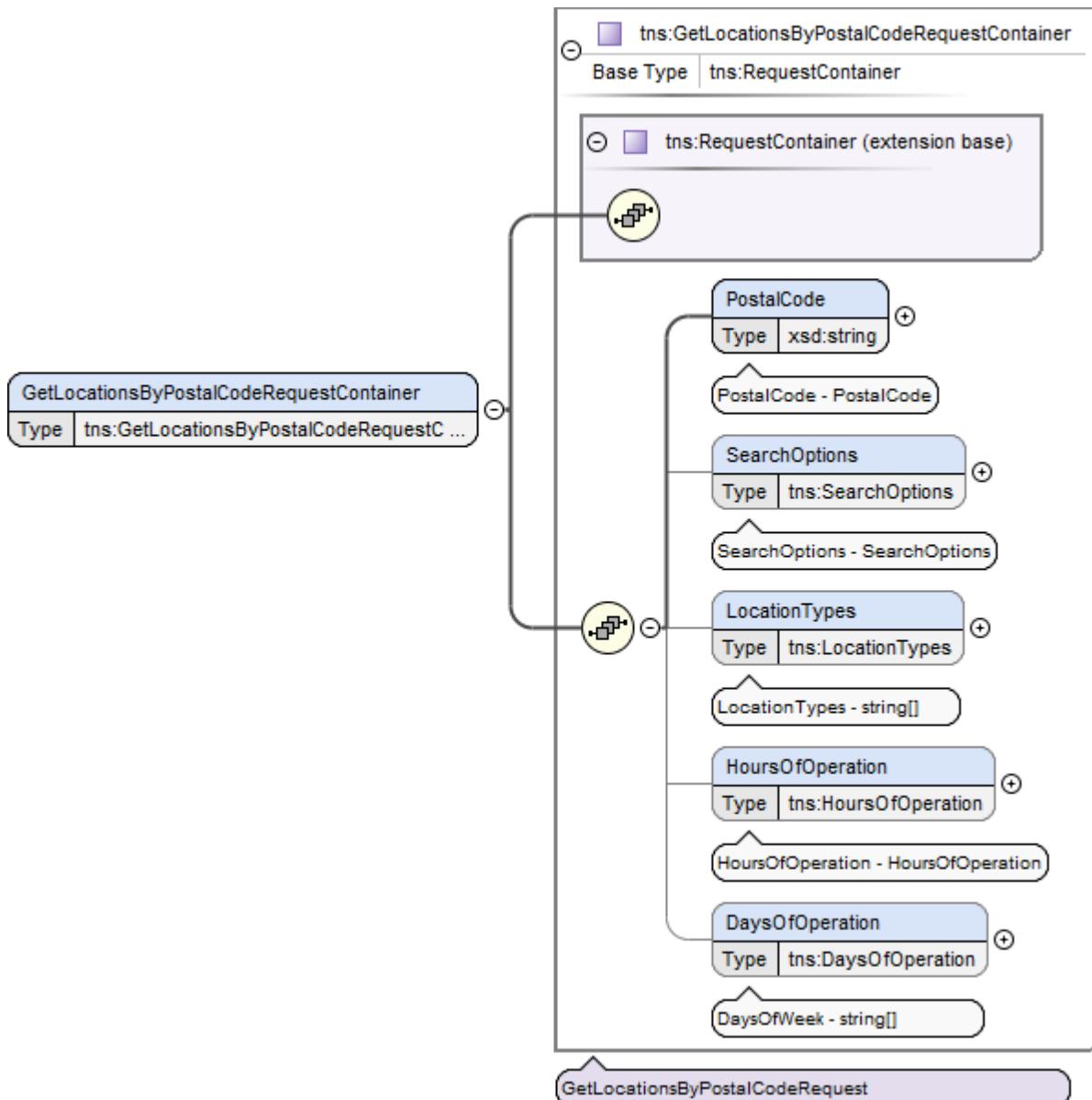


3.27.1.42 Response Diagrams – Location Address

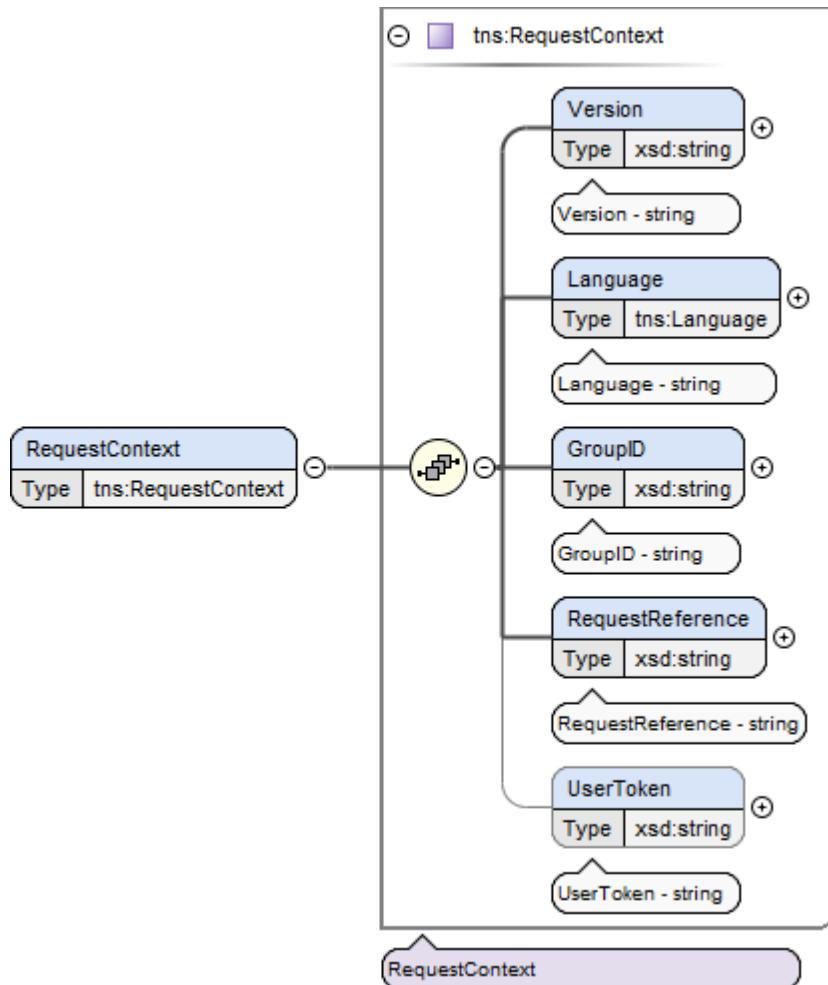


3.27.1.43 Request Diagrams – Get Locations By Postal Code Request

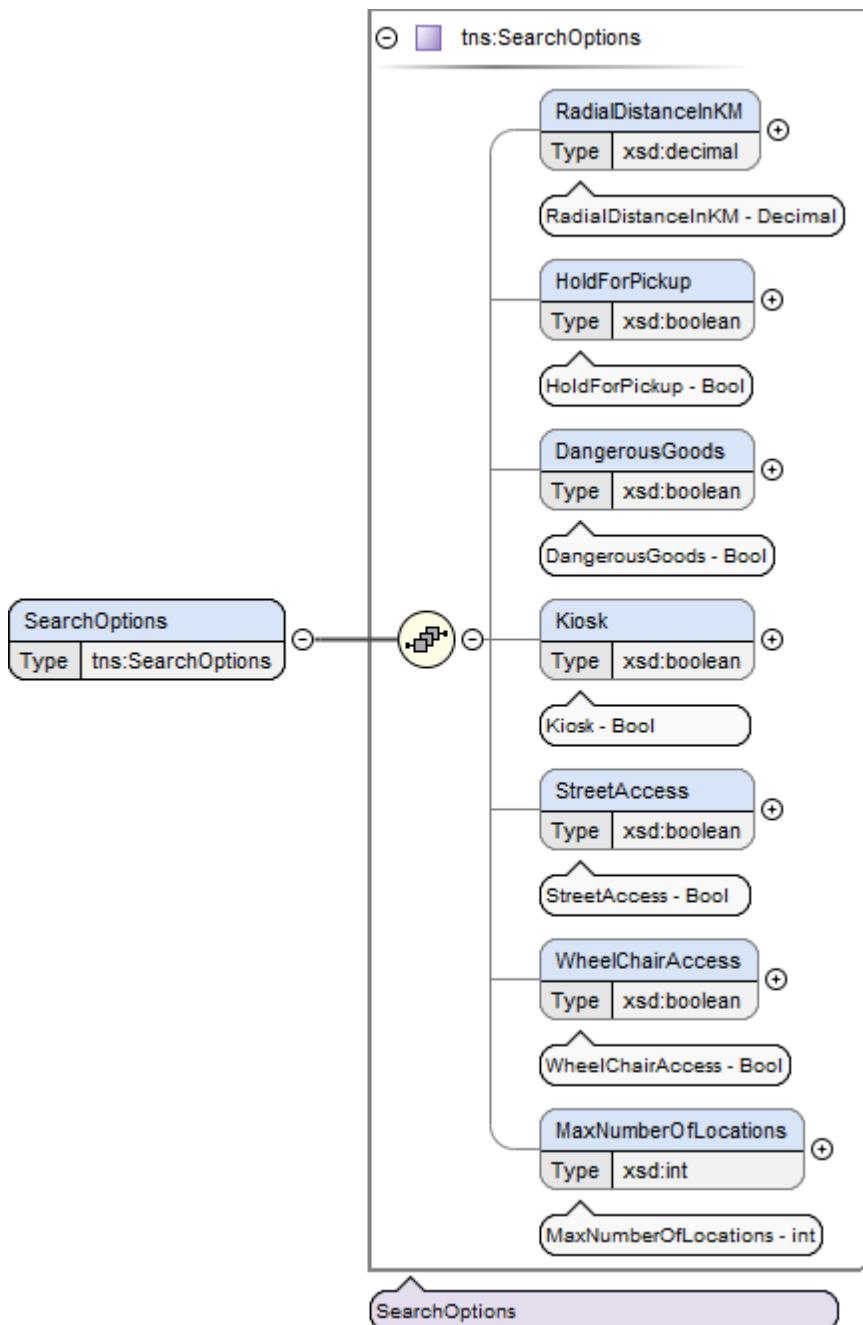
The [GetLocationsByPostalCode](#) Method is used to get the location of the shipments by providing the shipment postal code using Purolator E-SHIP Commercial Web Services. The diagrams below show the objects contained within the location request.



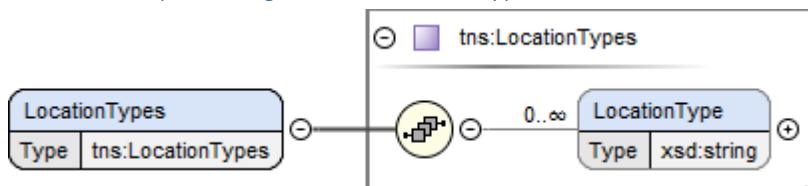
3.27.1.44 Request Diagrams – Request Context



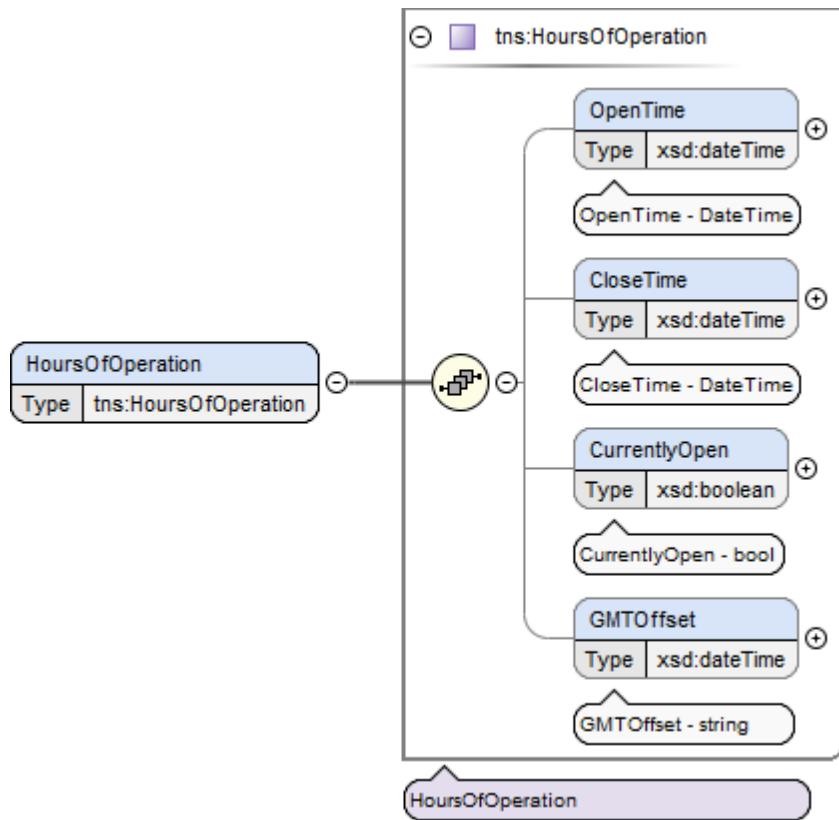
3.27.1.45 Request Diagrams – Search Options



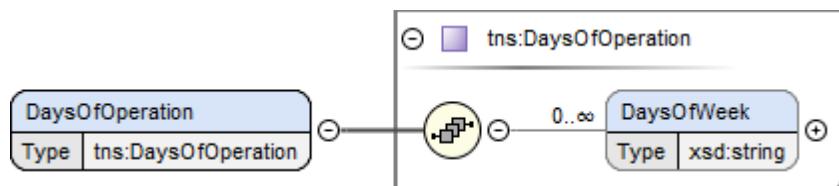
3.27.1.46 Request Diagrams – Location Types



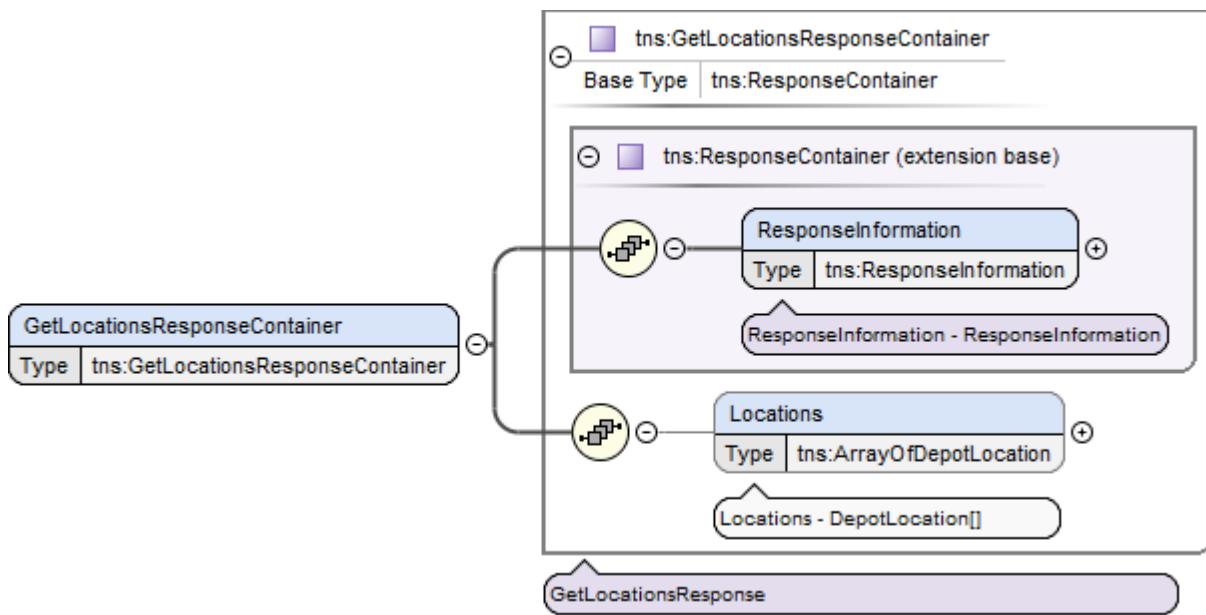
3.27.1.47 Request Diagrams – Hours of Operation



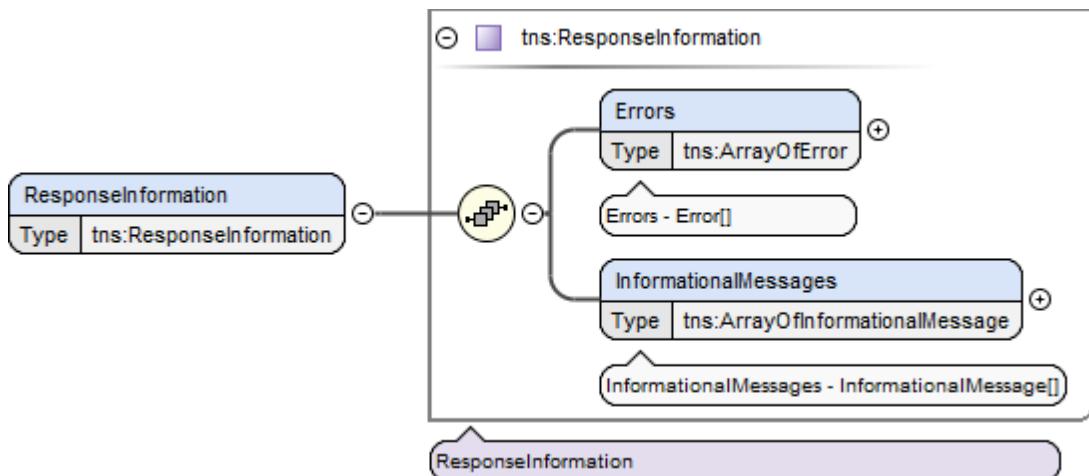
3.27.1.48 Request Diagrams – Days of Operation



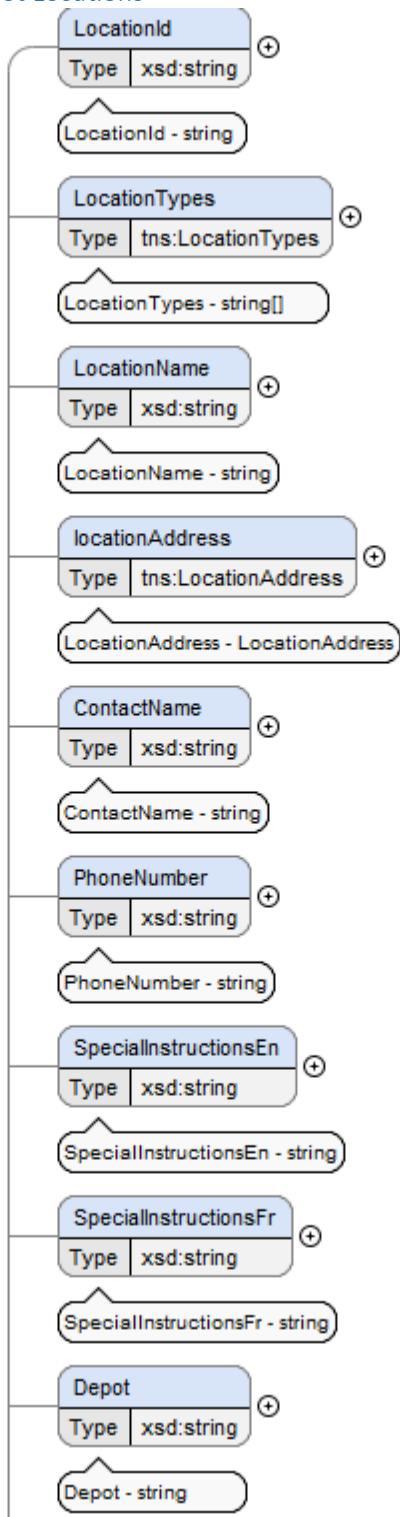
3.27.1.49 Response Diagrams – Get Locations Response

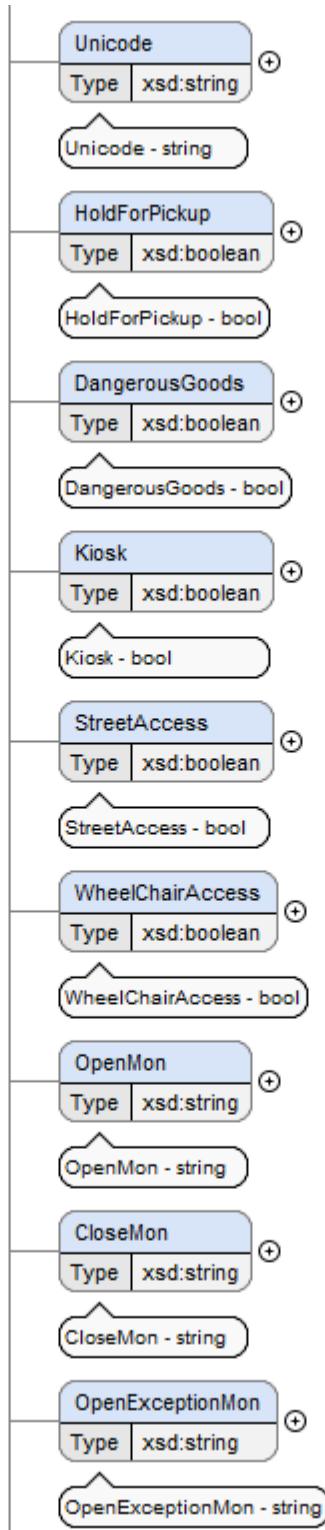


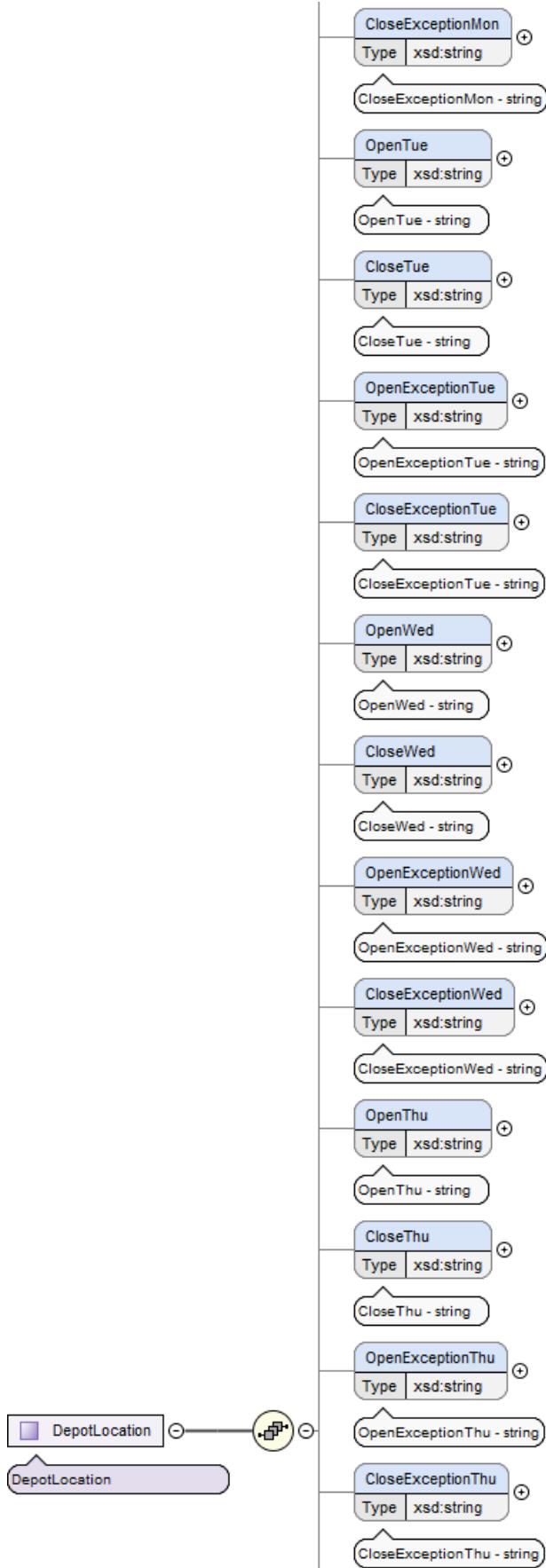
3.27.1.50 Response Diagrams – Response Information

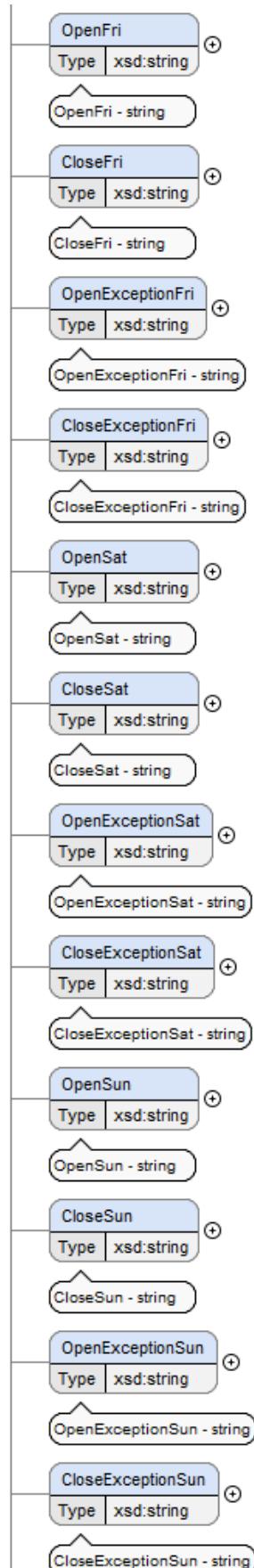


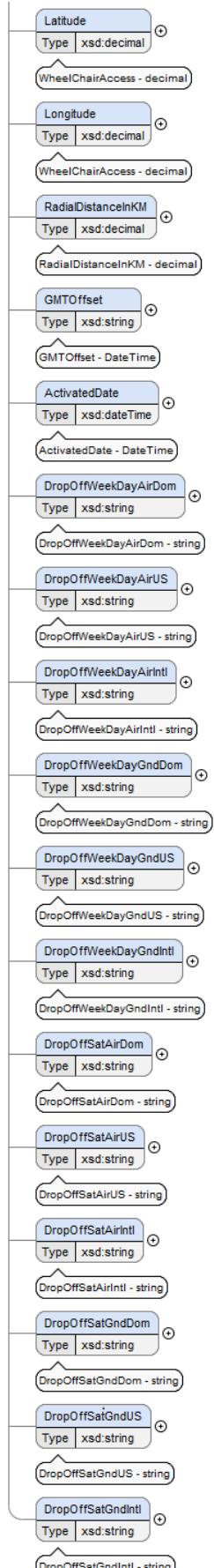
3.27.1.51 Response Diagrams – Depot Locations



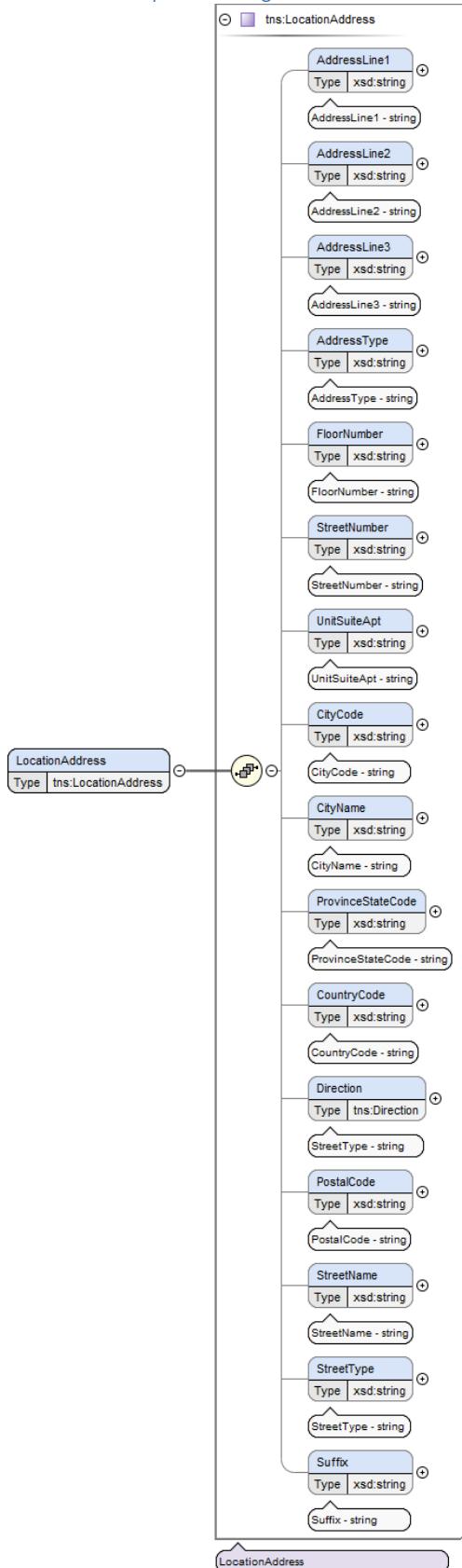








3.27.1.52 Response Diagrams – Location Address



3.27.2 Complete Field List

Elements

[Address](#) | [ArrayOfError](#) | [Coordinates](#) | [DaysOfOperation](#) | [DepotLocation](#) | [Error](#) | [GetLocationsByAddressRequest](#) |
[GetLocationsByAddressRequestContainer](#) | [GetLocationsByCityRequest](#) | [GetLocationsByCityRequestContainer](#) |
[GetLocationsByCoordinatesRequest](#) | [GetLocationsByCoordinatesRequestContainer](#) |
[GetLocationsByPointOfInterestRequest](#) | [GetLocationsByPointOfInterestRequestContainer](#) |
[GetLocationsByPostalCodeRequest](#) | [GetLocationsByPostalCodeRequestContainer](#) | [GetLocationsResponse](#) |
[GetLocationsResponseContainer](#) | [HoursOfOperation](#) | [LocationAddress](#) | [LocationTypes](#) | [RequestContext](#) |
[ResponseInformation](#) | [SearchOptions](#)

Input

Field Name	Description	Allowed Value
ComplexType: RequestContext	Used by: RequestContext	
Version	Version Number of the Web Service Request.	1.0
Language	Used to define the Language of the Response text.	Enumeration "en" "fr"
GroupID	For Future Use	
RequestReference	Reference Identifier for the Service Request. Used to aid in Customer Support.	String
UserToken	Activation Key belonging to a Purolator account and customer. The Activation Key is associated with the application that it will be used on and is only required for applications intended for resale.	String
ComplexType : GetLocationsByAddressRequestConta iner	Used by: Locator Service	
GetLocationsByAddressRequest	Address information for the shipment	

ComplexType : GetLocationsByAddressRequest	Used by: GetLocationByAddressRequestContainer	
Address	Address information for the shipment	Complex Type : Address
SearchOptions	Search options for the shipment	Complex Type : SearchOptions
LocationTypes	Search information by location type	Complex Type : LocationTypes
HoursOfOperation	Time Details	Complex Type : HoursOfOperation
DaysOfOperation	Operational days details	Complex Type : DaysOfOperation
ComplexType : GetLocationsByCityRequestContainer	Used by: Locator Service	
GetLocationsByCityRequest	City information for the shipment	
ComplexType GetLocationByCityRequest	Used by: GetLocationByCityRequestContainer	
CountryCode	Address information for the shipment	Datatype : String
CityName	City Name information for the shipment	Datatype : String
ProvinceStateCode	Province State Code for the shipment	Datatype : String
SearchOptions	Search options for the shipment	Complex Type : SearchOptions
LocationTypes	Search information by location type	Complex Type : LocationTypes

HoursOfOperation	Time Details	Complex Type : HoursOfOperation
DaysOfOperation	Operational days details	Complex Type : DaysOfOperation
ComplexType : GetLocationsByCoordinatesRequestContainer	Used by: Locator Service	
GetLocationsByCoordinatesRequest	Coordinate information for the shipment	
ComplexType GetLocationByCoordinatesRequest	Used by: GetLocationByCoordinatesRequestContainer	
Coordinates	Coordinates information for the shipment	Complex Type: Coordinates
SearchOptions	Search options for the shipment	Complex Type : SearchOptions
LocationTypes	Search information by location type	Complex Type : LocationTypes
HoursOfOperation	Time Details	Complex Type : HoursOfOperation
DaysOfOperation	Operational days details	Complex Type : DaysOfOperation
ComplexType : GetLocationsByPointOfInterestRequestContainer	Used by: Locator Service	
GetLocationsByPointOfInterestRequest	Point of Interest information for the shipment	
ComplexType GetLocationByPointOfInterestRequest	Used by: GetLocationByPointOfInterestRequestContainer	
PointOfInterest	Point of Interest information for the shipment	Datatype : String
SearchOptions	Search options for the shipment	Complex Type : SearchOptions

LocationTypes	Search information by location type	Complex Type : LocationTypes
HoursOfOperation	Time Details	Complex Type : HoursOfOperation
DaysOfOperation	Operational days details	Complex Type : DaysOfOperation
ComplexType : GetLocationsByPostalCodeRequestContainer	Used by: Locator Service	
GetLocationsByPostalCodeRequest	Postal Code information for the shipment	
ComplexType : GetLocationByPostalCodeRequest	Used by: GetLocationByPostalCodeRequestContainer	
PostalCode	Postal code information for the shipment	Datatype : String
SearchOptions	Search options for the shipment	Complex Type : SearchOptions
LocationTypes	Search information by location type	Complex Type : LocationTypes
HoursOfOperation	Time Details	Complex Type : HoursOfOperation
DaysOfOperation	Operational days details	Complex Type : DaysOfOperation
Complex Type: SearchOptions		
RadialDistanceInKM	Radial distance information in km for the shipment	Datatype : Integer
HoldForPickup	Pickup information for the shipment	Datatype : Boolean
DangerousGoods	Dangerous good information for the shipment	Datatype : Boolean
Kiosk	Kiosk information for the shipment	Datatype : Boolean
StreetAccess	Street access information for the shipment	Datatype : Boolean

WheelChairAccess	Wheelchair access information for the shipment	Datatype : Boolean
MaxNumberOfLocations	Number of locations information for the shipment	Datatype : Boolean
Complex Type: HoursOfOperation		
OpenTime	Open time information for the shipment	YYYY_MM_DD:HH:mm:SS
CloseTime	Close time information for the shipment	YYYY_MM_DD:HH:mm:SS
CurrentlyOpen	Currently status information for the shipment	YYYY_MM_DD:HH:mm:SS
GMTOffset	GMT offset information for the shipment	YYYY_MM_DD:HH:mm:SS
Complex Type: LocationTypes		
LocationType	Location type information for the shipment	Enumeration Ex : DropBox
Complex Type: DaysOfOperation		
DaysOfWeek	Days of week information for the shipment	Datatype : String

**Complex Type:
Address**

AddressLine1	Address information for the shipment	Datatype : String
AddressLine2	Address information for the shipment	Datatype : String
AddressLine3	Address information for the shipment	Datatype : String

**Complex Type:
Coordinates**

Latitude	Latitude information for the shipment	Datatype : Decimal
Longitude	Longitude information for the shipment	Datatype : Decimal

Output

Field Name	Description	Output Values
Element	Used by	
DepotLocation/GetLocationsResponse	GetLocationsResponseContainer	
Address	Address information for the shipment	Complex Type : Address
ContactName	Contact name information	String
PhoneNumber	Phone number information	Integer
SpecialInstructionsEn	Special instruction in English	String
SpecialInstructionsFr	Special instruction in French	String
Depot	Depot information	String
Unicode	Unicode information	Integer
HoldForPickup	Pickup information	Boolean
DangerousGoods	Dangerous good information	Boolean

Kiosk	Kiosk information	Boolean
StreetAccess	Street access information	Boolean
WheelChairAccess	Wheel chair access information	Boolean
OpenMon	Open monday time information	DateTime
CloseMon	Close monday time information	DateTime
OpenExceptionMon	Exception monday open time information	DateTime
CloseExceptionMon	Exception monday close time information	DateTime
OpenTue	Open tuesday time information	DateTime
CloseTue	Close tuesday time information	DateTime
OpenExceptionTue	Exception tuesday open time information	DateTime
CloseExceptionTue	Exception tuesday close time information	DateTime
OpenWed	Open wednesday time information	DateTime
CloseWed	Close wednesday time information	DateTime
OpenExceptionWed	Exception wednesday open time information	DateTime
CloseExceptionWed	Exception wednesday close time information	DateTime
OpenThu	Open thursday time information	DateTime
CloseThu	Close thursday time information	DateTime
OpenExceptionThu	Exception thursday open time information	DateTime
CloseExceptionThu	Exception thursday close time information	DateTime
OpenFri	Open friday time information	DateTime
CloseFri	Close friday time information	DateTime
OpenExceptionFri	Exception friday open time information	DateTime
CloseExceptionFri	Exception Friday close time information	DateTime
OpenSat	Open saturday time information	DateTime
CloseSat	Close saturday time information	DateTime

OpenExceptionSat	Exception saturday open time information	DateTime
CloseExceptionSat	Exception saturday close time information	DateTime
OpenSun	Open sunday time information	DateTime
CloseSun	Close sunday time information	DateTime
OpenExceptionSun	Exception sunday open time information	DateTime
CloseExceptionSun	Exception sunday close time information	DateTime
Latitude	Latitude information	Decimal
Longitude	Longitude information	Decimal
RadialDistanceInKM	Radial distance in KM for the shipment	Integer
GMTOffset	GMT offset information	Integer
ActivatedDate	Activated date information	DateTime
DropOffWeekDayAirDom	Drop off weekday information for air domestic	DateTime
DropOffWeekDayAirUS	Drop off weekday information for air US	DateTime
DropOffWeekDayAirIntl	Drop off weekday information for air international	DateTime
DropOffWeekDayGndDom	Drop off weekday information for ground domestic	DateTime
DropOffWeekDayGndUS	Drop off weekday information for ground US	DateTime
DropOffWeekDayGndIntl	Drop off weekday information for ground international	DateTime
DropOffSatAirDom	Drop off saturday information for air domestic	DateTime
DropOffSatAirUS	Drop off saturday information for air US	DateTime
DropOffSatAirIntl	Drop off saturday information for air international	DateTime
DropOffSatGndDom	Drop off saturday information for ground domestic	DateTime
DropOffSatGndUS	Drop off saturday information for ground US	DateTime
DropOffSatGndIntl	Drop off saturday information for ground international	Integer
PointOfInterest	Point of interest information	

Element ResponseInformation	Used by: ResponseInformation	
ResponseReference		
Errors	Array of errors	Complex Type ArrayOfError
InformationalMessages	Additional Information Messages regarding the response.	Complex Type: ArrayOfInformationalMessages
ComplexType ArrayOfError	Used by: ArrayOfError, ResponseInformation/Errors	
Error	Error information returned by the service call.	Complex Type Error
ComplexType Error	Used by: Error, ArrayOfError/Error	
Code	Error Code	String. Alpha Numeric.
Description	Error Description	String. Alpha Numeric.
AdditionalInformation	Additional error information	String. Alpha Numeric.
ComplexType ArrayOfInformationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
InformationalMessage	An array of Informational Messages as part of a Array of Strings request response to a service	
ComplexType LocationAddress	Used by: GetLocationsResponse/LocationAddress	
AddressLine1	Address information	String. Alpha Numeric.
AddressLine2	Address information	String. Alpha Numeric.
AddressLine3	Address information	String. Alpha Numeric.
AddressType	Address type information	String
FloorNumber	Floor number information	Integer
StreetNumber	Street number information	Integer
UnitSuiteApt	Unit suite apt information	Integer
CityCode	City code information	Integer
CityName	City name information	String
ProvinceStateCode	Province state code information	Integer
CountryCode	Country code information	Integer
Direction	Direction information	String

StreetName	Street name information	String
StreetType	Street type information	String
Suffix	Suffix information	Integer
PostalCode	Postal code information	Integer

Note:

The samples are provided for reference only and are subject to change at any time by Purolator.

3.28 Allowed Code List

Piece Level Characteristics

Characteristic Value (ID field)	Allowed Value (Value field)
SpecialHandling	<p>Enumeration:</p> <ul style="list-style-type: none"> • true • false
SpecialHandlingType	<p>Enumeration:</p> <ul style="list-style-type: none"> • AdditionalHandling • FlatPackage • LargePackage • Oversized • ResidentialAreaHeavyweight

Shipment Level Characteristic

Characteristic Value (ID field)	Allowed Value (Value field)
DangerousGoods	<p>Enumeration:</p> <ul style="list-style-type: none"> • TRUE • FALSE
DangerousGoodsClass (required if sending Dangerous Goods)	<p>Enumeration:</p> <ul style="list-style-type: none"> • FullyRegulated • UN3373 • UN1845 • LessThan500kgExempt • LimitedQuantities
DangerousGoodsMode (required if sending Dangerous Goods)	<p>Enumeration:</p> <ul style="list-style-type: none"> • Air • Ground
DeclaredValue	<p>String Numeric xxxxx.xx</p>
ChainOfSignature	<p>Enumeration:</p> <ul style="list-style-type: none"> • TRUE • FALSE
SaturdayPickup	<p>Enumeration:</p> <ul style="list-style-type: none"> • TRUE • FALSE
SaturdayDelivery	<p>Enumeration:</p> <ul style="list-style-type: none"> • TRUE • FALSE
ExpressCheque	<p>Enumeration:</p> <ul style="list-style-type: none"> • TRUE • FALSE
ExpressChequeMethodOfPayment	<p>Enumeration:</p> <ul style="list-style-type: none"> • Cheque • PostDatedCheque • CertifiedCheque • MoneyOrder • BankDraft

Characteristic Value (ID field)	Allowed Value (Value field)
ExpressChequeAmount	String Numeric xxxxx.xx
HoldForPickup	Enumeration: • TRUE • FALSE
OriginSignatureNotRequired	Enumeration: • TRUE • FALSE
ResidentialSignatureDomestic	Enumeration: • TRUE • FALSE
ResidentialSignatureIntl	Enumeration: • TRUE • FALSE

Product List (ServiceID)

PurolatorExpress9AM	PurolatorExpressU.S.Envelope9AM
PurolatorExpress10:30AM	PurolatorExpressU.S.Envelope10:30AM
PurolatorExpress12PM	PurolatorExpressU.S.Envelope12:00
PurolatorExpress	PurolatorExpressPackU.S.
PurolatorExpressEvening	PurolatorExpressU.S.Pack9AM
PurolatorExpressEnvelope9AM	PurolatorExpressU.S.Pack10:30AM
PurolatorExpressEnvelope10:30AM	PurolatorExpressU.S.Pack12:00
PurolatorExpressEnvelope12PM	PurolatorExpressBoxU.S.
PurolatorExpressEnvelope	PurolatorExpressU.S.Box9AM
PurolatorExpressEnvelopeEvening	PurolatorExpressU.S.Box10:30AM
PurolatorExpressPack9AM	PurolatorExpressU.S.Box12:00
PurolatorExpressPack10:30AM	PurolatorGroundU.S.
PurolatorExpressPack12PM	PurolatorExpressInternational
PurolatorExpressPack	PurolatorExpressInternational9AM
PurolatorExpressPackEvening	PurolatorExpressInternational10:30AM
PurolatorExpressBox9AM	PurolatorExpressInternational12:00
PurolatorExpressBox10:30AM	PurolatorExpressEnvelopeInternational
PurolatorExpressBox12PM	PurolatorExpressInternationalEnvelope9AM
PurolatorExpressBox	PurolatorExpressInternationalEnvelope10:30AM
PurolatorExpressBoxEvening	PurolatorExpressInternationalEnvelope12:00
PurolatorGround	PurolatorExpressPackInternational
PurolatorGround9AM	PurolatorExpressInternationalPack9AM
PurolatorGround10:30AM	PurolatorExpressInternationalPack10:30AM
PurolatorGroundEvening	PurolatorExpressInternationalPack12:00
PurolatorExpressU.S.	PurolatorExpressBoxInternational
PurolatorExpressU.S.9AM	PurolatorExpressInternationalBox9AM
PurolatorExpressU.S.10:30AM	PurolatorExpressInternationalBox10:30AM
PurolatorExpressU.S.12:00	PurolatorExpressInternationalBox12:00
PurolatorExpressEnvelopeU.S.	

Street Type

Abbey	Drive	Meadow	Turnabout
Acres	End	Mews	Vale
Allée	Esplanade	Montée	View
Alley	Estates	Mount	Village
Autoroute	Expressway	Mountain	Villas
avenue	Extension	Parade	Vista
Avenue	Field	Parc	Voie
Bay	Forest	Park	Walk
Beach	Freeway	Parkway	Way
Bend	Front	Passage	Wharf
Boulevard	Gardens	Path	Wood
Branch	Gate	Pathway	Wynd
By-pass	Glade	Pines	
Campus	Glen	Place	
Cape	Green	Plateau	
Carré	Grounds	Plaza	
Carrefour	Grove	Point	
Centre	Harbour	Pointe	
Cercle	Heath	Port	
Chase	Height	Private	
Chemin	Heights	Promenade	
Circle	Highlands	Quai	
Circuit	Highway	Quay	
Close	Hill	Ramp	
Common	Hollow	Rang	
Concession	Île	Ridge	
Corners	Impasse	Rise	
Côte	Inlet	Road	
Cour	Island	Route	
Cours	Key	Row	
Court	Knoll	Rue	
Cove	Landing	Ruelle	
Crest	Lane	Run	
Crescent	Limits	Sentier	
Croissant	Line	Square	
Crossing	Link	Street	
Cul-de-sac	Lookout	Subdivision	
Dale	Loop	Terrace	
Dell	Mall	Terrasse	
Diversion	Manor	Townline	
Downs	Maze	Trail	

Street Suffix

A	P
B	Q
C	R
D	S
E	T
F	U
G	V
H	W
I	X
J	Y
K	Z
L	$\frac{1}{4}$
M	$\frac{1}{2}$
N	$\frac{3}{4}$
O	

Street Direction

E	S
N	SE
NE	SO
NO	SW
NW	W
O	

Province/State

Province / State Code	Description	Province / State Code	Description
AB	Alberta	NL	Newfoundland
AK	Alaska	NM	New Mexico
AL	Alabama	NS	Nova Scotia
AR	Arkansas	NT	Northwest Territories
AZ	Arizona	NU	Nunavut
BC	British Columbia	NV	Nevada
CA	California	NY	New York
CO	Colorado	OH	Ohio
CT	Connecticut	OK	Oklahoma
DC	District of Columbia	ON	Ontario
DE	Delaware	OR	Oregon
FL	Florida	PA	Pennsylvania
GA	Georgia	PE	Prince Edward Island
HI	Hawaii	QC	Quebec
IA	Iowa	RI	Rhode Island
ID	Idaho	SC	South Carolina
IL	Illinois	SD	South Dakota
IN	Indiana	SK	Saskatchewan
KS	Kansas	TN	Tennessee
KY	Kentucky	TX	Texas
LA	Louisiana	UT	Utah
MA	Massachusetts	VA	Virginia
MB	Manitoba	VT	Vermont
MD	Maryland	WA	Washington
ME	Maine	WI	Wisconsin
MI	Michigan	WV	West Virginia
MN	Minnesota	WY	Wyoming
MO	Missouri	YT	Yukon
MS	Mississippi		
MT	Montana		
NB	New Brunswick		
NC	North Carolina		
ND	North Dakota		
NE	Nebraska		
NH	New Hampshire		
NJ	New Jersey		

Country

Country Code	Country Description	Country Code	Country Description	Country Code	Country Description
AD	Andorra	GN	Guinea	OM	Oman
AE	Utd.Arab Emir.	GP	Guadeloupe	OR	Orange
AF	Afghanistan	GQ	Equatorial Guin	PA	Panama
AG	Antigua/Barbuda	GR	Greece	PE	Peru
AI	Anguilla	GS	S. Sandwich Ins	PF	Frenc.Polynesia
AL	Albania	GT	Guatemala	PG	Pap. New Guinea
AM	Armenia	GU	Guam	PH	Philippines
AN	Dutch Antilles	GW	Guinea-Bissau	PK	Pakistan
AO	Angola	GY	Guyana	PL	Poland
AQ	Antarctica	HK	Hong Kong	PM	St.Pier,Miquel.
AR	Argentina	HM	Heard/McDon.Isl	PN	Pitcairn Islnds
AS	Samoa, America	HN	Honduras	PR	Puerto Rico
AT	Austria	HR	Croatia	PS	Palestine
AU	Australia	HU	Hungary	PT	Portugal
AW	Aruba	IC	Canary Islands	PW	Palau
AX	Aland Islands	ID	Indonesia	PY	Paraguay
AZ	Azerbaijan	IE	Ireland	QA	Qatar
BA	Bosnia-Herz.	IL	Israel	RE	Reunion
BB	Barbados	IM	Isle of Man	RO	Romania
BD	Bangladesh	IN	India	RS	Serbia
BE	Belgium	IO	Brit.Ind.Oc.Ter	RU	Russian Fed.
BF	Burkina Faso	IQ	Iraq	RW	Rwanda
BG	Bulgaria	IR	Iran	SA	Saudi Arabia
BH	Bahrain	IS	Iceland	SB	Solomon Islands
BI	Burundi	IT	Italy	SC	Seychelles
BJ	Benin	JE	Jersey	SD	Sudan
BL	Blue	JM	Jamaica	SG	Singapore
BM	Bermuda	JO	Jordan	SH	Saint Helena
BN	Brunei Daruss.	JP	Japan	SI	Slovenia
BO	Bolivia	KE	Kenya	SJ	Svalbard
BR	Brazil	KG	Kyrgyzstan	SK	Slovakia
BS	Bahamas	KH	Cambodia	SL	Sierra Leone
BT	Bhutan	KI	Kiribati	SM	San Marino
BV	Bouvet Islands	KM	Comoros	SN	Senegal
BW	Botswana	KN	St Kitts&Nevis	SO	Somalia
BY	Belarus	KP	North Korea	SR	Suriname
BZ	Belize	KR	South Korea	ST	S.Tome,Principe
CA	Canada	KW	Kuwait	SV	El Salvador
CC	Coconut Islands	KY	Cayman Islands	SY	Syria
CD	Dem. Rep. Congo	KZ	Kazakhstan	SZ	Swaziland
CF	Central African Republic	LA	Laos	TC	Turksh Caicosin
CG	Rep.of Congo	LB	Lebanon	TD	Chad
CH	Switzerland	LC	St. Lucia	TF	French S.Territ
CI	Cote d'Ivoire	LI	Liechtenstein	TG	Togo

Country Code	Country Description	Country Code	Country Description	Country Code	Country Description
CK	Cook Islands	LK	Sri Lanka	TH	Thailand
CL	Chile	LR	Liberia	TJ	Tajikistan
CM	Cameroon	LS	Lesotho	TK	Tokelau Islands
CN	China	LT	Lithuania	TL	Timor Leste
CO	Colombia	LU	Luxembourg	TM	Turkmenistan
CR	Costa Rica	LV	Latvia	TN	Tunisia
CU	Cuba	LY	Libya	TO	Tonga
CV	Cape Verde	MA	Morocco	TP	East Timor
CX	Christmas Islnd	MC	Monaco	TR	Turkey
CY	Cyprus	MD	Moldova	TT	Trinidad,Tobago
CZ	Czech Republic	ME	Montenegro	TV	Tuvalu
DE	Germany	MG	Madagascar	TW	Taiwan
DJ	Djibouti	MH	Marshall Islnds	TZ	Tanzania
DK	Denmark	MK	Macedonia	UA	Ukraine
DM	Dominica	ML	Mali	UG	Uganda
DO	Dominican Rep.	MM	Burma	UM	Minor Outl.Isl.
DZ	Algeria	MN	Mongolia	UN	United Nations
EC	Ecuador	MO	Macau	US	USA
EE	Estonia	MQ	Martinique	UY	Uruguay
EG	Egypt	MR	Mauretania	UZ	Uzbekistan
EH	West Sahara	MS	Montserrat	VA	Vatican City
ER	Eritrea	MT	Malta	VC	St. Vincent
ES	Spain	MU	Mauritius	VE	Venezuela
ET	Ethiopia	MV	Maldives	VG	Brit.Virgin Is.
EU	European Union	MW	Malawi	VI	Amer.Virgin Is.
FI	Finland	MX	Mexico	VN	Vietnam
FJ	Fiji	MY	Malaysia	VU	Vanuatu
FK	Falkland Islnds	MZ	Mozambique	WF	Wallis,Futuna
FM	Micronesia	NA	Namibia	WS	Samoa
FO	Faroe Islands	NC	New Caledonia	XB	Bonaire
FR	France	NE	Niger	XC	Curacao
GA	Gabon	NF	Norfolk Islands	XM	St. Maarten
GB	United Kingdom	NG	Nigeria	XN	Nevis
GD	Grenada	NI	Nicaragua	XS	Somaliland Republic
GE	Georgia	NL	Netherlands	XY	St. Barthelemy
GF	French Guayana	NO	Norway	YE	Yemen
GG	Guernsey	NP	Nepal	YT	Mayotte
GH	Ghana	NR	Nauru	ZA	South Africa
GI	Gibraltar	NT	Nato	ZM	Zambia
GL	Greenland	NU	Niue	ZW	Zimbabwe
GM	Gambia	NZ	New Zealand	ZZ	Dummy Country