



Tracking Web Service 1.2.2

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Revision Notes

Revision	Date	Change Description
1.0	04/23/2009	Version 1.0 Created.
1.1	05/25/2009	Enumeration tables for ServiceID and Characteristic names have been updated.
1.1.1	11/27/2009	URL for endpoints has been modified. Version allowed value has been updated.
1.1.2	04/20/2010	Update to the Introduction. Update to Implementation Considerations.
1.1.3	10/04/2010	Added error codes.
1.2.0	07/07/2014	Update to the introduction. Additional Field in the request context.
1.2.1	08/07/2015	APPENDIX B – Allowed Code List - Updated "Street Type" list to ensure that all valid and active Street Type names are displayed.
1.2.2	05/01/2017	Appendix B - Product List (ServiceID) - added 4 new Products (Express 12PM)

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1 Getting Started

1.1 Introduction

To help you integrate Purolator E-Ship Web Services into your website or application, Purolator provides technical documentation and sample code for each Web Service. The documents include detailed technical information for each Web Service and detail Purolator's service offerings. Additional information and support is available on the Purolator E-Ship Developer Forum <http://www.purolatorwebservices.com>, on the E-Ship Web Services Wiki <http://www.purolatorwebservices.com/wiki2>, and through the Support section of the E-Ship Resource Centre <http://www.purolator.com/eship>.

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

Introduction

Introduction to Purolator E-Ship Web Services

Service Availability Web Service

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

Estimates Web Service

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

Shipping Web Service

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

Returns Management Web Service

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

Get Documents Web Service

Retrieve shipment labels and documentation for shipments.

Tracking Web Service

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

Pickup Web Service

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

Soap UI Project File

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

Certification

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

Security Options (if applicable)

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

1.2 Document Overview

This document is a technical specification that describes the Purolator E-Ship Tracking Web Service. It is geared towards developers who are building applications that need to provide shipment status.

Shipment status refers to tracking events generated by scanners as a package moves through Purolator's delivery network. This includes information such as the date and time of pickup, date and time that a package is received at a depot, delivery information such as delivery address, delivery time, signature of the recipient and comments entered by a courier. Shipment status also captures events where a shipment could not be delivered or is being held for pickup.

This document uses the following structure to explain our Tracking Web Service:

Introduction (this chapter)

- Web Services overview
- Specification compliance
- Development platform compatibility
- Related resources
- Web services development process

Web Services

- Explanations of the characteristics of calls, as well as data types used
- Security information
- Service details for the Tracking service
- Implementation considerations
- Error details and error codes and descriptions

Appendix

- Complete field listing
- Enumeration and expected values

1.3 Specification Compliance

The Web Services are designed to comply with the following specifications:

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	http://www.w3.org/TR/2001/NOTE-wsdl-20010315

Please visit the websites listed above for detailed information regarding SOAP and WSDL technologies.

1.4 Development Platforms

The Web Services work with any current SOAP/XML development environments.

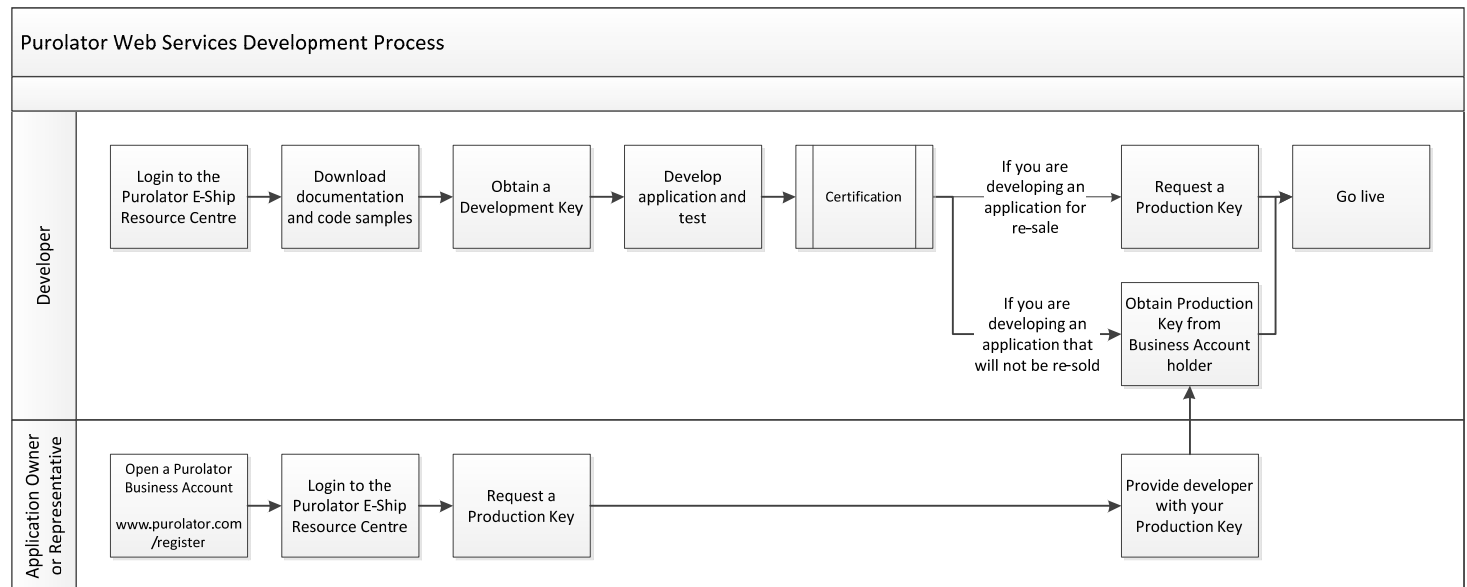
Note: Development platforms vary in their SOAP/XML implementations. Please refer to your platform's documentation for more information.

1.5 Related Resources

The Purolator E-Ship Resource Centre 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 www.purolator.com/eship to access all of the resources available to you and get support with your integration.

1.6 Purolator E-Ship Web Services Development Process

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



Web Services Developer Process

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

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

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

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

Step 2: **Obtain a Development Key**

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

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

Step 3: **Develop**

Develop your application using the code samples and documentation.

Step 4: **Test**

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

Step 5: Certification

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

Step 6: Request a Production Key

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

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

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

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

Application Owner or Representative Process

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

Step 1: Open a Purolator Business Account

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

Step 2: Request a Production Key

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

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

Step 3: Provide your developer with the Production Key

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

2 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 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.

2.1 Characteristics of Calls

All Web Service calls are:

- **Service Requests and Responses**—your client application prepares and submits a service request to Purolator E-Ship 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.

2.2 Data Types

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>·value space·</u> to a specified set of values. Enumeration does not impose an order relation on the <u>·value space·</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.

2.3 Security

Purolator E-Ship 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. Purolator E-Ship Web Services uses the standard HTTP protocol and in our case the username corresponds to the Development and Production Key that is issued to you by Purolator when you signed up for Purolator E-Ship Web Services. These credentials are sent from your client programs to our Purolator E-Ship Web Services servers securely using SSL.

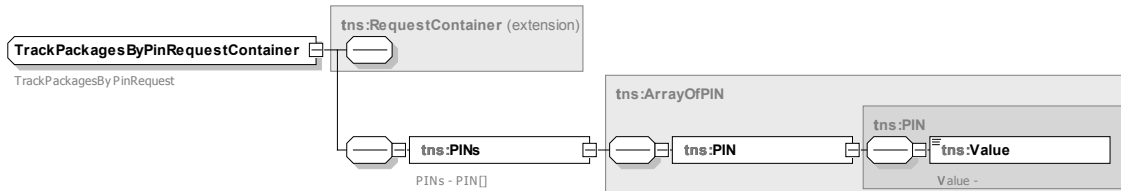
2.4 Service Methods and Objects

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

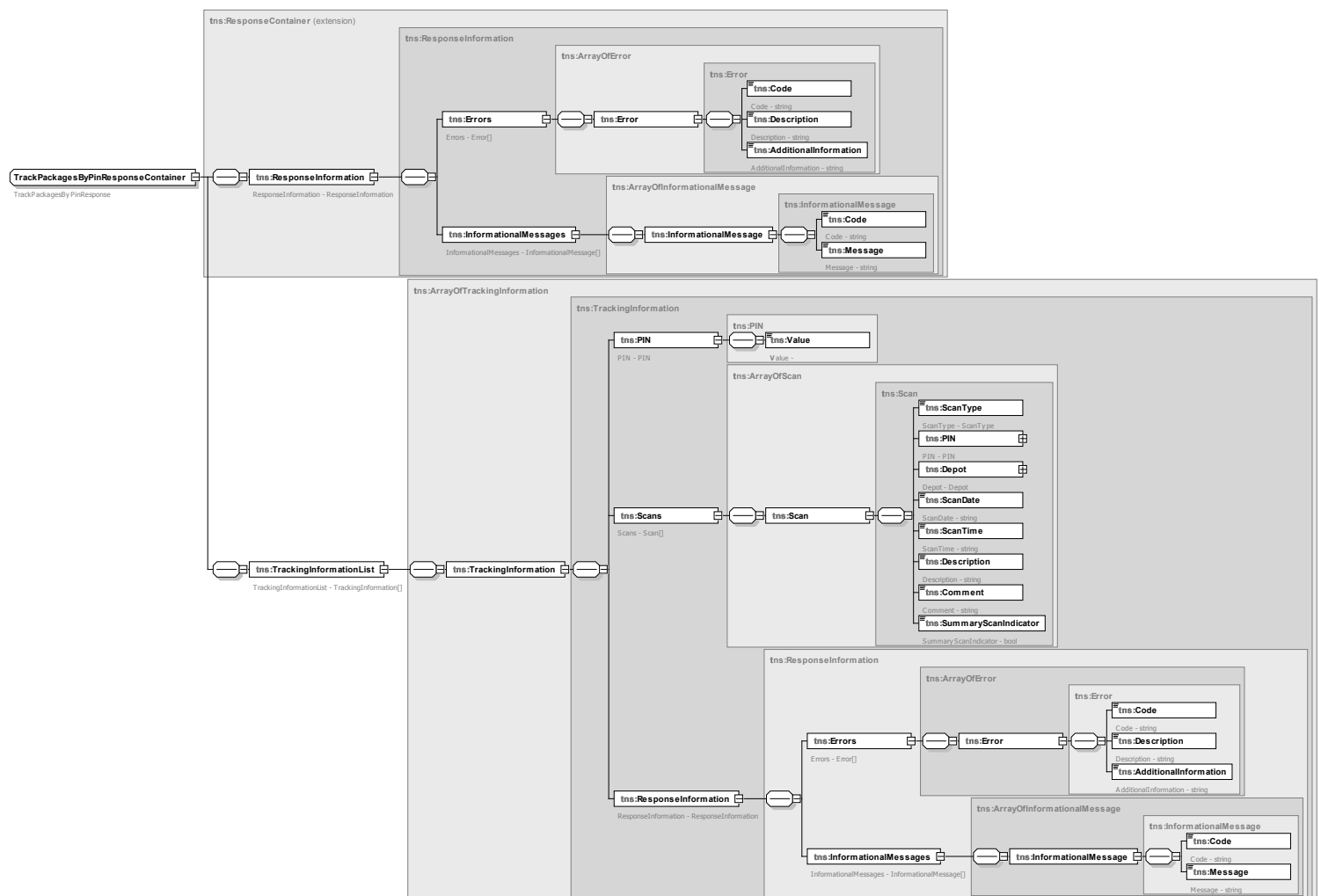
2.4.1 Track Package By PIN

The Track Package by PIN method is used to track shipments using Purolator E-Ship Web Services. The diagram below shows the objects contained within the tracking request.

2.4.1.1 Request Diagrams - TrackPackagesByPin



2.4.1.2 Response Diagrams - TrackPackagesByPin

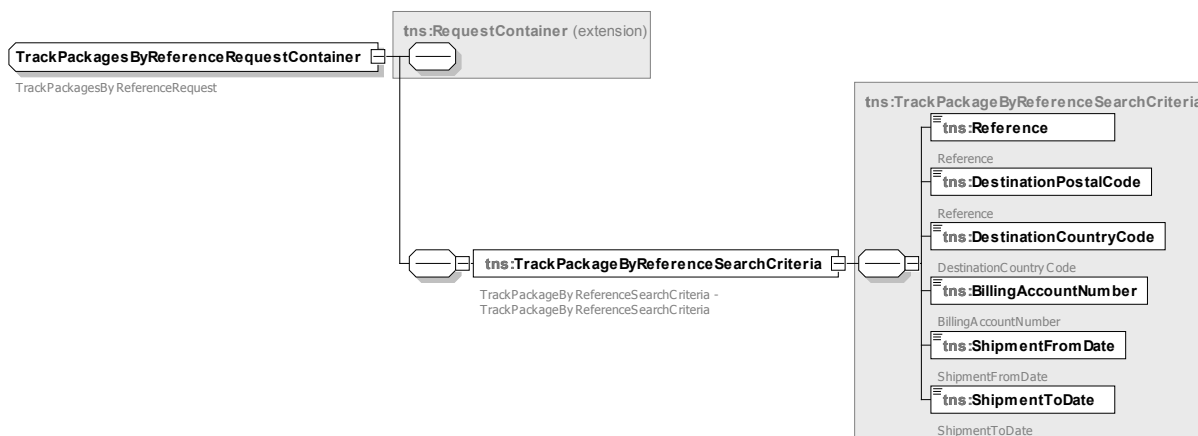


2.4.2 Track Package By Reference

The Track Package by Reference method is used to track shipments using Purolator E-Ship Web Services by a cross reference. The diagram below shows the objects contained within the tracking request.

2.4.2.1

Request Diagrams - TrackPackagesByReference



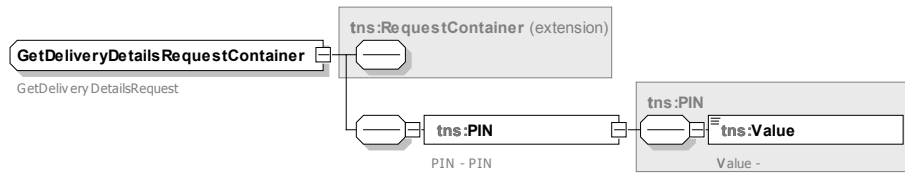
Response Diagrams - TrackPackagesByReference



2.4.3 Get Delivery Details

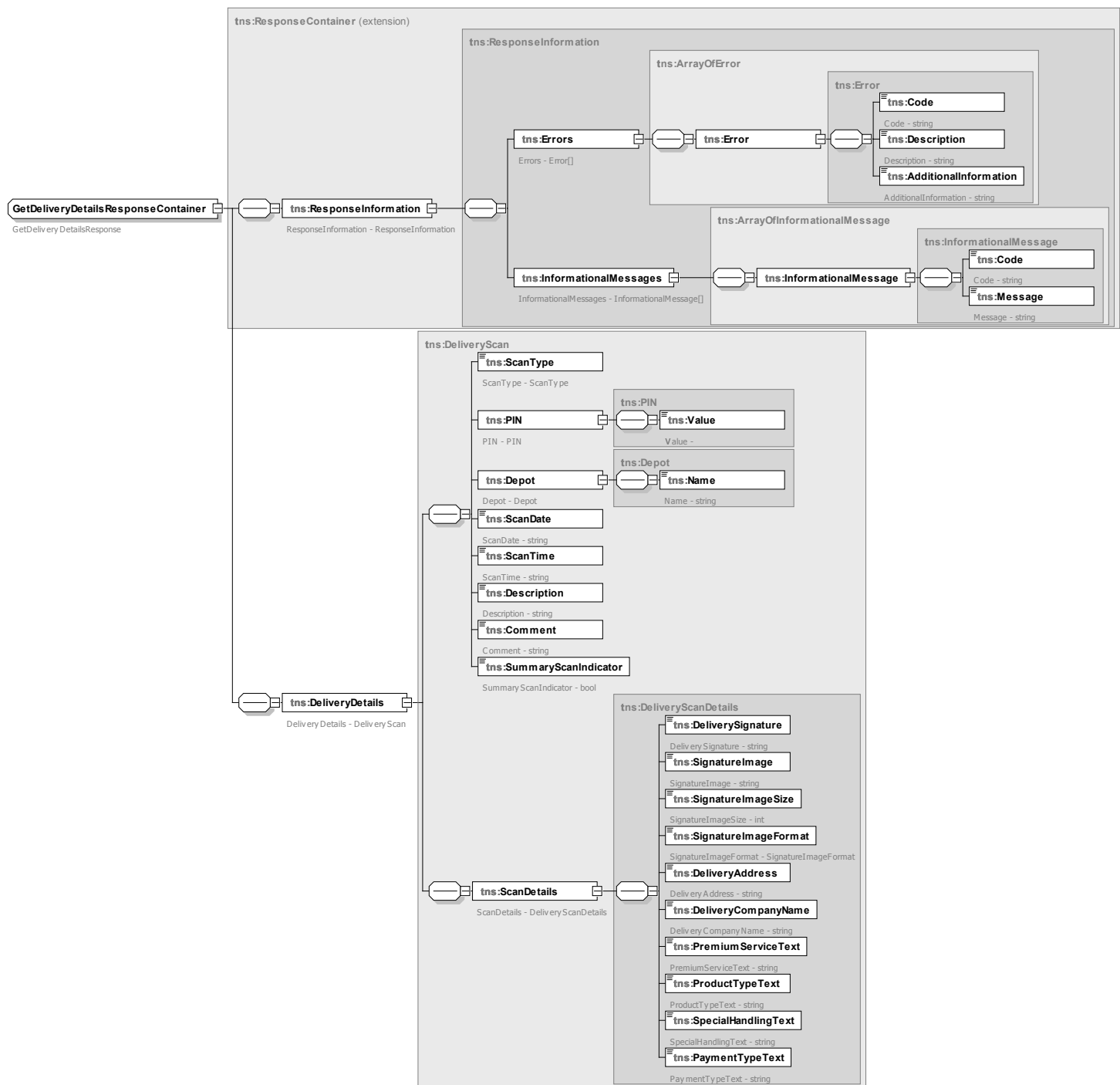
The Get Delivery Details method is used to obtain shipment delivery details such as the date and time of delivery. The diagram below shows the objects contained within the Get Delivery Details request.

2.4.3.1 Request Diagrams - GetDeliveryDetails



2.4.3.2

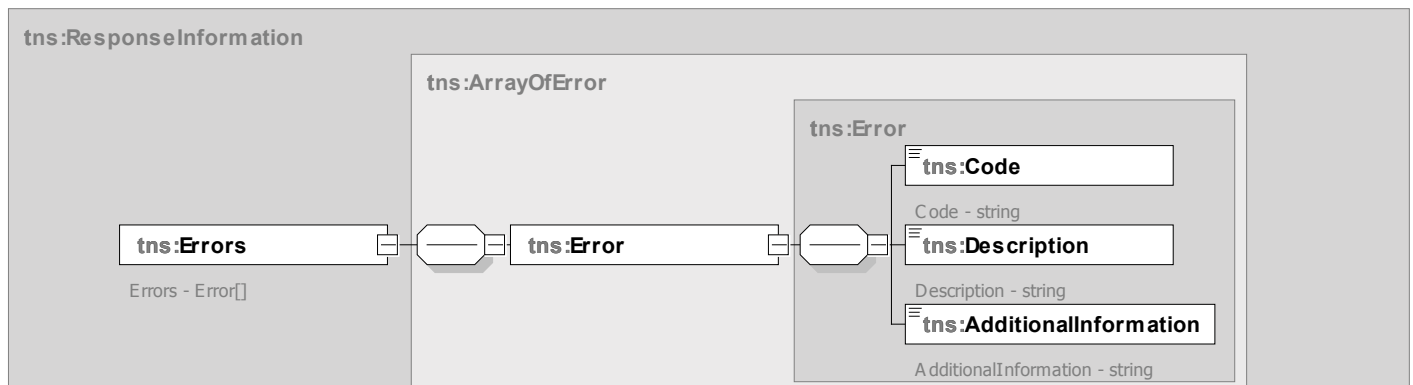
Response Diagrams - GetDeliveryDetails



2.5 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.



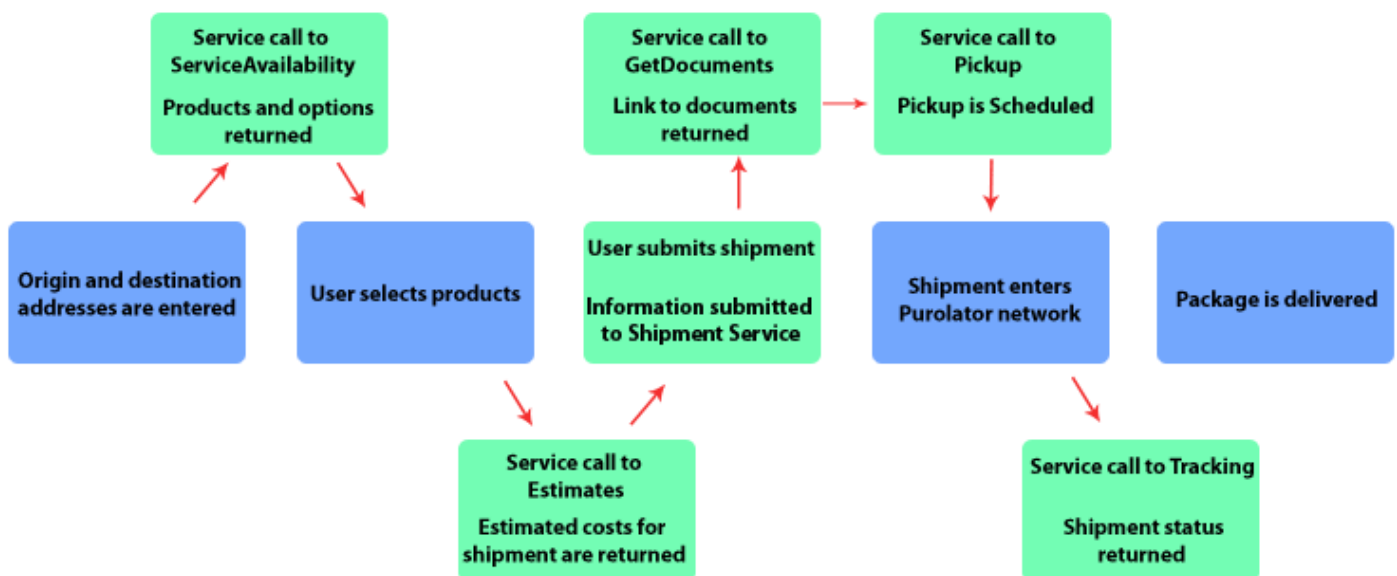
2.6 Implementation Considerations

As Purolator's business changes to meet the on-going needs of its customer, the business rules for certain products may change from time to time. As our business changes, your application doesn't have to. Purolator E-Ship Web Services offers customers an advanced Service Availability service that, when called, will return available products and services for a given origin and destination address. In addition to the available products and services, all business rules as well as product rules, product inclusions and exclusions, and products min/max dimensions and weights.

This can be used to offer your customers a greater experience, and offer all of Purolator's products and services, without needing to submit a request, only to discover that a particular product is not available for a particular address.

As well, additional Purolator E-Ship Web Services can be consumed to offer a richer customer experience. From estimates to tracking to retrieving necessary documentation, Purolator's E-Ship Web Services are designed to offer you the flexibility to consume the services required for your business.

Below is an example of how the all Purolator E-Ship Web Services may be utilized. (Green boxes denote service calls)



2.7 Error Messages / codes

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.
2100001	TrackPackageByRef Service is unavailable at this time.
2300001	Unable to connect to the Channel Integration DB.
2300002	The back office system returns with errors.
2300003	No scanning details available.
2200100	Access to TrackPackageByRef Service denied. Application ID {0}.
2400001	TrackPackageByPINRequest was not supplied.
2800001	Invalid PIN - {0}.
2800002	The search criteria provided results in more than one PIN returned. Please refine the search criteria.
2800003	No PIN matches the reference data
2801000	A Tracking error has occurred.
2801118	Tracking System is unavailable. Please use the Tracking at www.purolator.com
2801119	Tracking System is unavailable. Please call 1 888 SHIP-123 or 1-888-744-7123 for information on this shipment,
2801135	No Delivery Details are available
2801150	DHL Error.
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}.
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}.

Code	Message
3001106	Invalid ESOWYesNo 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 occurred.
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
3001147	Invalid Address.
3001148	Postal / Zip Code is required to validate a Canadian / U.S. Address.
3001153	Service Error
3001099	Invalid PackageType Code: {0}. Valid values are: {1}.
3001102	Invalid ScanType Code: {0}. Valid values are: {1}.
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}.
3001142	Country is not found
3001143	Suggested address is supplied
3001147	Invalid Address.

Code	Message
3001126	Invalid ExpressCheque Code: {0}. Valid values are: {1}.
3001136	Service version is invalid

APPENDIX A – Complete Field List

[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	
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
Element TrackPackagesByPinRequestCo ntainer		
PINs	Container for array of PINs	Element ArrayOfPIN
Element TrackPackagesByReferenceReq uestContainer		
TrackPackageByReferenceSearc hCriteria		Element TrackPackageByReferenceSearchCriteria
Element GetDeliveryDetailsRequestConta iner		
PIN		Complex Type PIN
Element ArrayOfPIN	Used by: TrackPackagesByPinRequestContainer/PINs	
PIN	PIN number	Complex Type PIN

Input

Field Name	Description	Output Values
Element PIN	Used by: PIN ArrayOfPIN/PIN TrackingInformation/PIN Scan/PIN GetDeliveryDetailsRequestContainer/PIN	
Value	PIN number	String
Element TrackPackageByReferenceSearchCriteria	Used by: TrackPackagesByReferenceRequestContainer/TrackPackageByReferenceSearchCriteria TrackPackageByReferenceSearchCriteria	
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 TrackingInformationList	Shipment PIN Array of Pins	Type ResponseInformation Type ArrayOfTrackingInformation
Element TrackPackagesByReferenceResponseContainer		
ResponseInformation TrackingInformationList	Shipment PIN Array of Pins	Type ResponseInformation Type ArrayOfTrackingInformation
Element GetDeliveryDetailsResponseContainer		
ResponseInformation DeliveryDetails	Shipment PIN Array of Pins	Type ResponseInformation Type DeliveryDetails

Output

Field Name	Description	Output Values
Element ArrayOfTrackingInformation		
TrackingInformation		Type TrackingInformation
Element TrackingInformation	Used by: ArrayOfTrackingInformation/TrackingInformation	TrackingInformation
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	Nullable PIN Number.	Type PIN
Depot	Nullable Name of depot.	Simple Type Name
ScanDate	Nullable. Date of current scan in array.	String Format mm-dd-yyyy
ScanTime	Nullable Time of current scan in array.	String Format xx:xx:xx GMT
Description	Nullable Description of current scan in array.	String Alpha Numeric
Comment	Nullable 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	Nullable. Name of Depot.	String
Element DeliveryScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension)		Type Scan

Output

Field Name	Description	Output Values
ScanDetails		Type ScanDetails
Element OnDeliveryScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension) ScanDetails		Type Scan Type ScanDetails
Element ProofOfPickUpScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension) ScanDetails		Type Scan Type ScanDetails
Element UndeliverableScan	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
Scan (extension) ScanDetails		Type Scan Type ScanDetails
Element OnDeliveryScanDetails	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
DeliveryAddress	Nullable	String
Element InternationalOutboundScan	Used by: InternationalOutboundScan	
Scan (extension) ScanDetails		Type Scan Type ScanDetails
Element InternationalOutboundScanDetails	Used by: InternationalOutboundScan/ScanDetails	
DestinationPostalCode	Nullable Destination Postal Code	String
AirportCode	Nullable Destination Airport Code	String
Element DeliveryDetails	Used by: GetDeliveryDetailsResponseContainer/DeliveryDetails	
DeliveryScan	Delivery Scan	Type DeliveryScan
Element UndeliverableScanDetails	Used by: InternationalOutboundScan/ScanDetails	
AttemptedDeliveryAddress	Nullable Address of attempted delivery	String
DeliveryCompanyName	Nullable Name of delivery company	String

Output

Field Name	Description	Output Values
Element ScanDetails	Used by: DeliveryScan/ScanDetails	
DeliverySignature	Nillable. Proof of delivery signature	String
SignatureImage	Nillable	String
SignatureImageSize	Nillable Size of delivery signature image	Int
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 DeliveryScanDetails	Used by: 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 ProofOfPickupScanDetails	Used by: DeliveryScan/ScanDetails	
PickUpConfirmationNumber	Nillable.	String
PickupAddress		Type Address

Output

Field Name	Description	Output Values
PickupContactName	Nullable	String
PickupCompanyName	Nullable	String
PickupLocation	Nullable	String
CommittedDeliveryDate	Nullable	String
PremiumServiceText	Nullable	String
ProductTypeText	Nullable	String
SpecialHandlingText	Nullable	String
PaymentTypeText	Nullable	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

Output

Field Name	Description	Output Values
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
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 InfomationalMessage	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
Code	Nullable Informational Message code	String
Message	Nullable Infomational Message	String

Output

Field Name	Description	Output Values
Element ArrayOfPIN	Used by: ArrayOfInformationalMessage, ResponseInformation/InformationalMessages	
PIN	PIN number of request	String
ComplexType ResponseContext		
ResponseReference	Same as Request Reference	String

APPENDIX B – Allowed Code List**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			

Piece level Characteristics

Characteristic Value (ID field)	Allowed Value (Value field)
SpecialHandling	Enumeration: true false

Shipment level Characteristic

Characteristic Value (ID field)	Allowed Value (Value field)
SpecialHandling	Enumeration: TRUE FALSE
DangerousGoods	Enumeration: TRUE FALSE
DangerousGoodsClass (required if sending Dangerous Goods)	Enumeration: FullyRegulated UN3373 UN1845 LessThan500kgExempt LimitedQuantities
DangerousGoodsMode (required if sending Dangerous Goods)	Enumeration: Air Ground
DeclaredValue	String Numeric xxxxx.xx
ChainOfSignature	Enumeration: TRUE FALSE
SaturdayPickup	Enumeration: TRUE FALSE
SaturdayDelivery	Enumeration: TRUE FALSE
ExpressCheque	Enumeration: TRUE FALSE
HoldForPickup	Enumeration: TRUE FALSE
ExpressChequeMethodOfPayment	Enumeration: Cheque PostDatedCheque CertifiedCheque MoneyOrder BankDraft
ExpressChequeAmount	String Numeric xxxxx.xx
OriginSignatureNotRequired	Enumeration: TRUE FALSE
ResidentialSignatureDomestic	Enumeration: TRUE FALSE
ResidentialSignatureIntl	Enumeration: TRUE FALSE

Product List (ServiceID)

PurolatorExpress9AM	PurolatorExpressPackU.S.
PurolatorExpress10:30AM	PurolatorExpressU.S.Pack9AM
PurolatorExpress	PurolatorExpressU.S.Pack10:30AM
PurolatorExpressEvening	PurolatorExpressU.S.Pack12:00
PurolatorExpressEnvelope9AM	PurolatorExpressBoxU.S.
PurolatorExpressEnvelope10:30AM	PurolatorExpressU.S.Box9AM
PurolatorExpressEnvelope	PurolatorExpressU.S.Box10:30AM
PurolatorExpressEnvelopeEvening	PurolatorExpressU.S.Box12:00
PurolatorExpressPack9AM	PurolatorGroundU.S.
PurolatorExpressPack10:30AM	PurolatorExpressInternational
PurolatorExpressPack	PurolatorExpressInternational9AM
PurolatorExpressPackEvening	PurolatorExpressInternational10:30AM
PurolatorExpressBox9AM	PurolatorExpressInternational12:00
PurolatorExpressBox10:30AM	PurolatorExpressEnvelopeInternational
PurolatorExpressBox	PurolatorExpressInternationalEnvelope9AM
PurolatorExpressBoxEvening	PurolatorExpressInternationalEnvelope10:30AM
PurolatorGround	PurolatorExpressInternationalEnvelope12:00
PurolatorGround9AM	PurolatorExpressPackInternational
PurolatorGround10:30AM	PurolatorExpressInternationalPack9AM
PurolatorGroundEvening	PurolatorExpressInternationalPack10:30AM
PurolatorExpressU.S.	PurolatorExpressInternationalPack12:00
PurolatorExpressU.S.9AM	PurolatorExpressBoxInternational
PurolatorExpressU.S.10:30AM	PurolatorExpressInternationalBox9AM
PurolatorExpressU.S.12:00	PurolatorExpressInternationalBox10:30AM
PurolatorExpressEnvelopeU.S.	PurolatorExpressInternationalBox12:00
PurolatorExpressU.S.Envelope9AM	PurolatorGroundDistribution
PurolatorExpressU.S.Envelope10:30AM	New Products Added:
PurolatorExpressU.S.Envelope12:00	PurolatorExpress12PM

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	¼
M	½
N	¾
O	

PurolatorExpressEnvelope12PM
 PurolatorExpressPack12PM
 PurolatorExpressBox12PM

Street Type

Abbey	End	Montée	Village
Acres	Esplanade	Mount	Villas
Allée	Estates	Mountain	Vista
Alley	Expressway	Parade	Voie
Autoroute	Extension	Parc	Walk
avenue	Field	Park	Way
Avenue	Forest	Parkway	Wharf
Bay	Freeway	Passage	Wood
Beach	Front	Path	Wynd
Bend	Gardens	Pathway	
Boulevard	Gate	Pines	
Branch	Glade	Place	
By-pass	Glen	Plateau	
Campus	Green	Plaza	
Cape	Grounds	Point	
Carré	Grove	Pointe	
Carrefour	Harbour	Port	
Centre	Heath	Private	
Cercle	Height	Promenade	
Chase	Heights	Quai	
Chemin	Highlands	Quay	
Circle	Highway	Ramp	
Circuit	Hill	Rang	
Close	Hollow	Ridge	
Common	Île	Rise	
Concession	Impasse	Road	
Corners	Inlet	Route	
Côte	Island	Row	
Cour	Key	Rue	
Cours	Knoll	Ruelle	
Court	Landing	Run	
Cove	Lane	Sentier	
Crest	Limits	Square	
Crescent	Line	Street	
Croissant	Link	Subdivision	
Crossing	Lookout	Terrace	
Cul-de-sac	Loop	Terrasse	
Dale	Mall	Townline	
Dell	Manor	Trail	
Diversion	Maze	Turnabout	
Downs	Meadow	Vale	
Drive	Mews	View	

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

StreetDirection

E	S
N	SE
NE	SO
NO	SW
NW	W
O	