**Locator Web Service 1.0.1**

**Confidential**

**Revision Notes**

| Revision | Date | Change Description |
|---|---|---|
| 0.0.1 | 12/11/2015 | Initial draft |
| 0.0.2 | 02/02/2016 | Error codes and messages are updated |
| 0.0.3 | 29/02/2016 | Update the WSDL elements for all 6 methods of Locator service |
| 0.0.4 | 16/03/2016 | Removed other service error codes/messages & GetLocationByID method |
| 1.0.1 | 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.

**Shipment Tracking Web Service**
Get detailed tracking information and shipment details in real-time using a Purolator PIN / tracking number or shipment reference.

**Pickup Web Service**
Schedule, modify, validate and void pickups. View your pickup history and upcoming pickups.

**Locator Web Service**
Locate the shipment using Address, Coordinates, City, PointofInterest and Postal code.

**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 Returns Management Web Service. It is geared towards developers who are building applications that require Purolator Returns Management Services. Returns Management 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. See 'Purolator E-Ship Web Services - Introduction' document in the Documentation and Sample Code section of the E-Ship Resource Centre www.purolator.com/eship for more information. It should be noted that the Returns Management Web Service is used in conjunction with the Get Documents Web Service to obtain shipping labels and other shipping related documentation.

This document uses the following structure to explain our Returns Management 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 Returns Management 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.

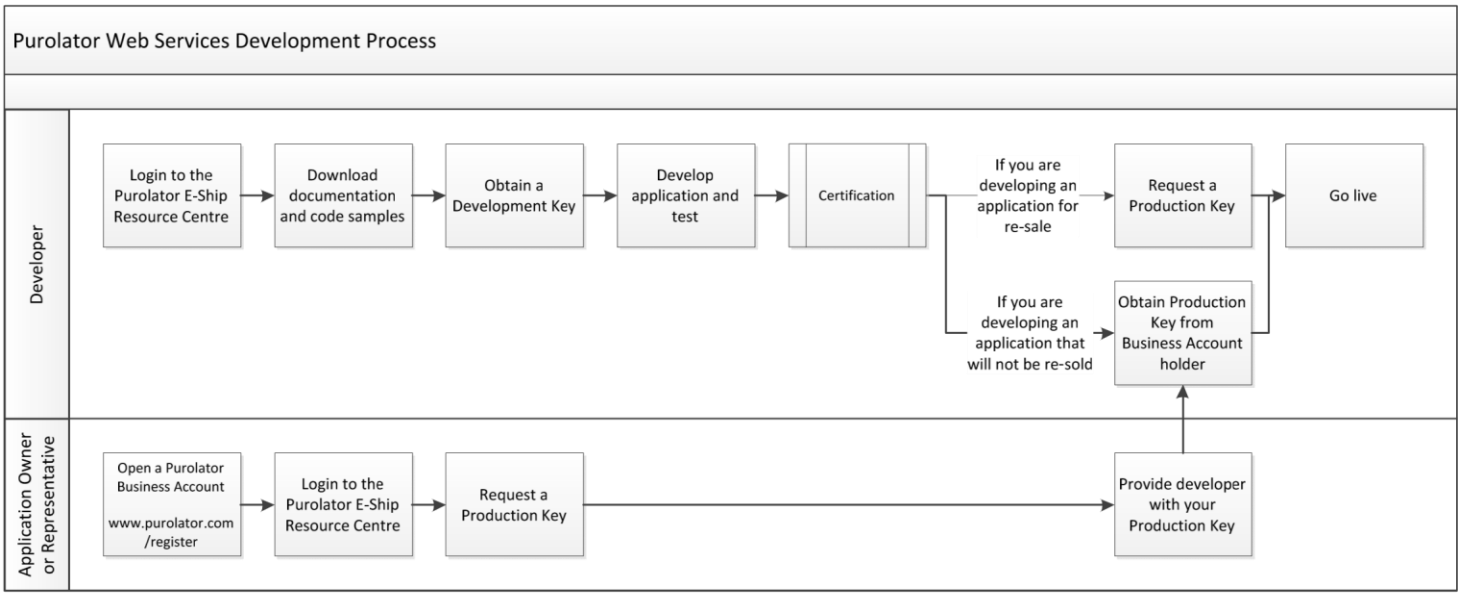
**Note:** Development platforms vary in their SOAP/XML implementations. Please refer to your platform's documentation for more information.

### 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 ·value space· 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*** ≥ 0. Precision is not reflected in this value space; the number 2.0 is not distinct from the number 2.00. (The datatype precisionDecimal 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 ·value space· to a specified set of values.<br><br>Enumeration does not impose an order relation on the ·value space· it creates; the value of the ·ordered· 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 EShip 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.

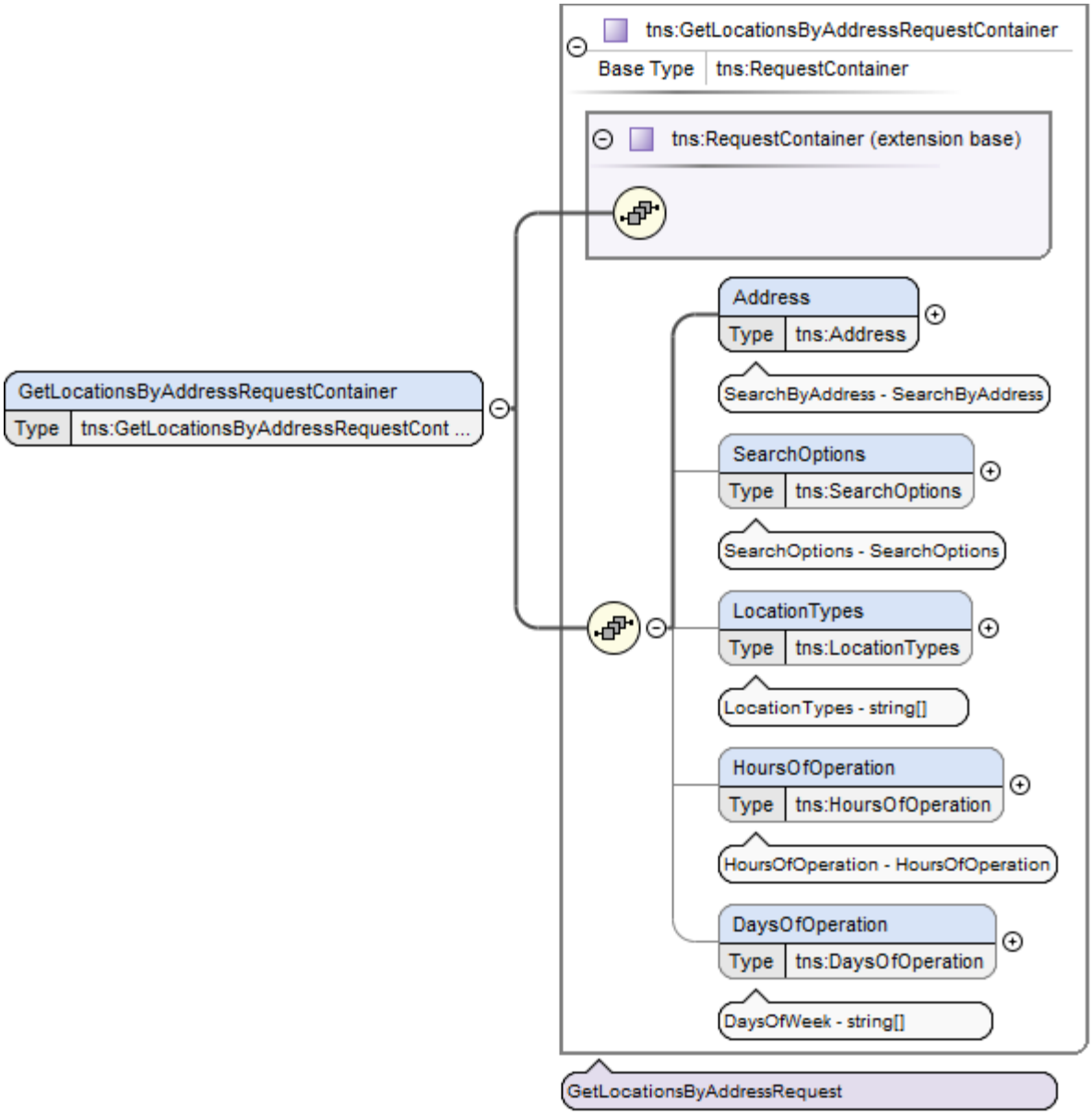
## 2.4 Service Methods and Objects

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.

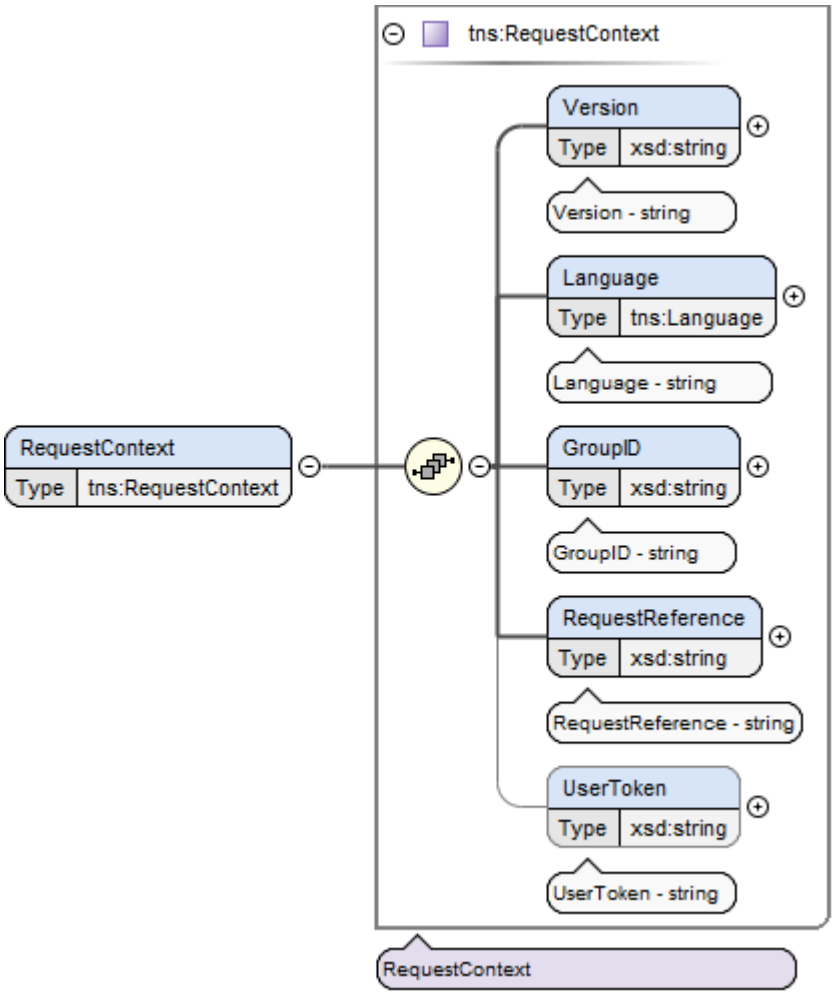
### 2.4.1 GetLocationsByAddress

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.

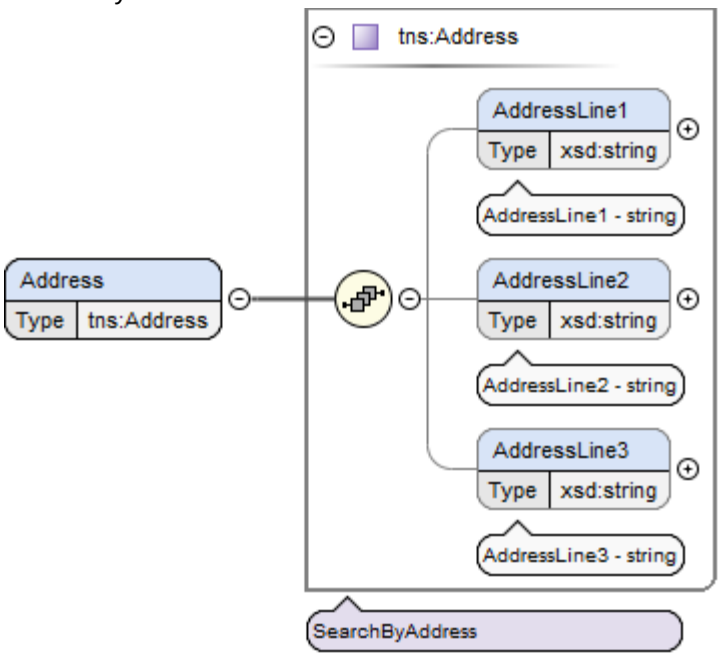
#### 2.4.1.1 Request Diagrams – GetLocationsByAddress Request



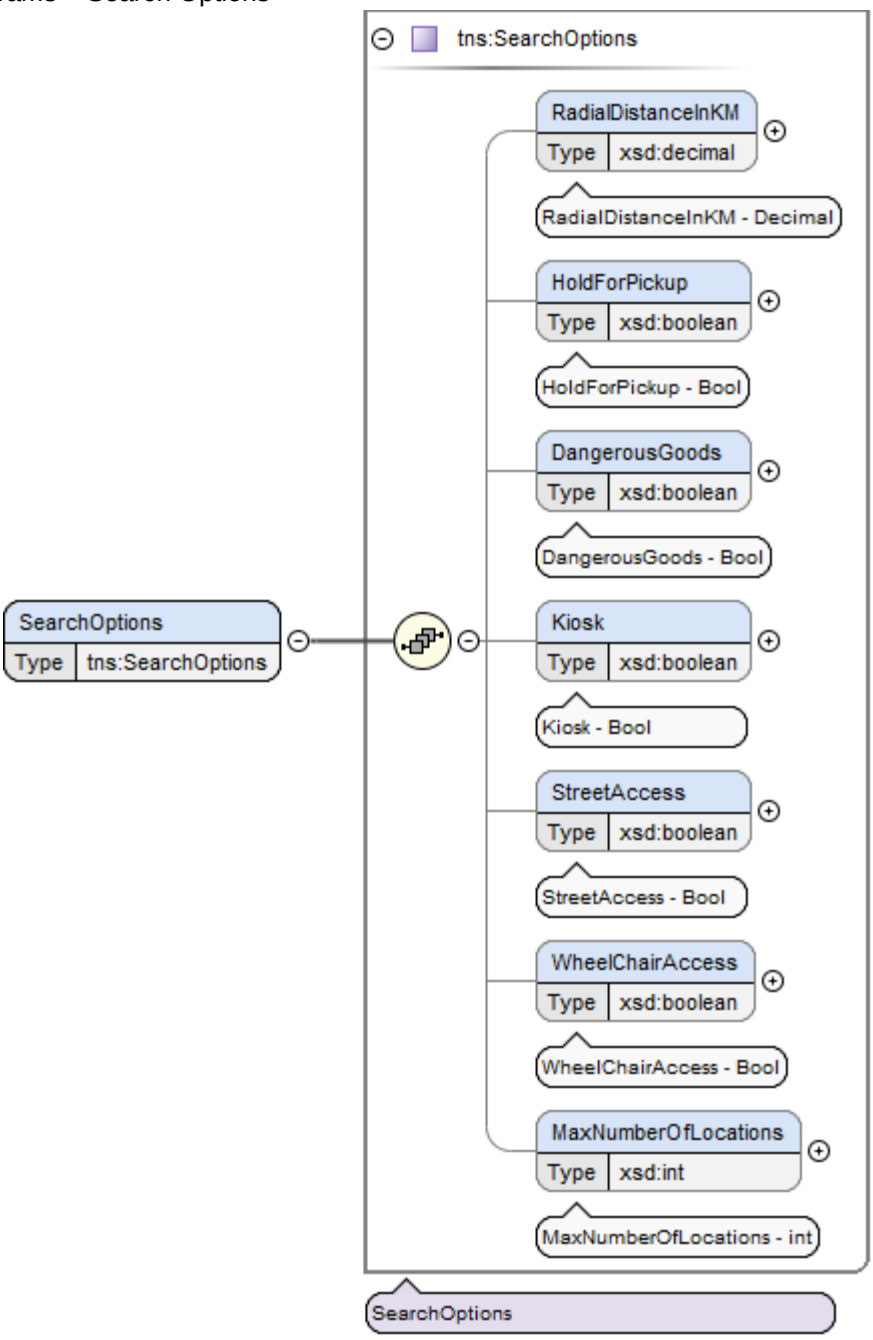
### 2.4.1.2 Request Diagrams – Request Context



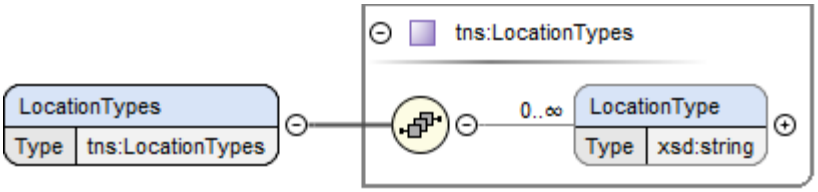
2.4.1.3 Request Diagrams – SearchByAddress



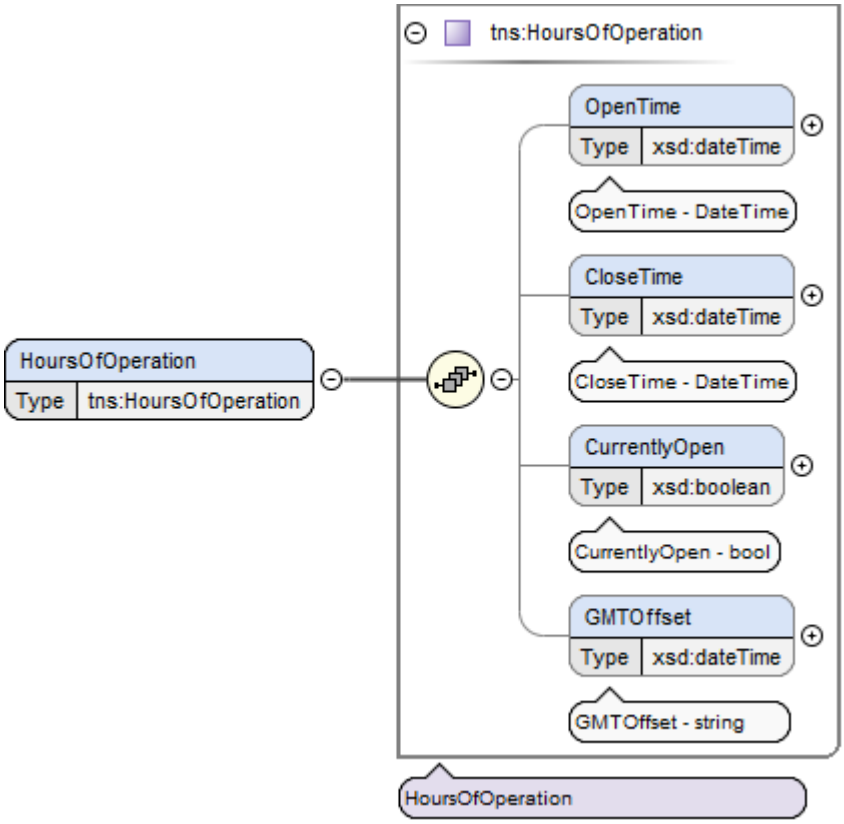
### 2.4.1.4 Request Diagrams – Search Options



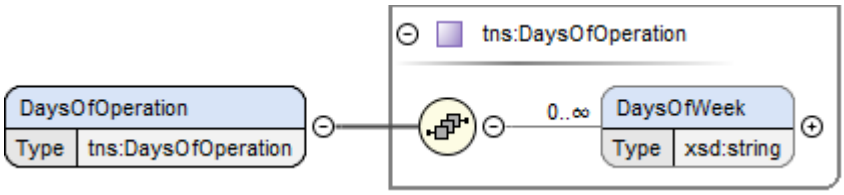

### 2.4.1.5 Request Diagrams – LocationTypes



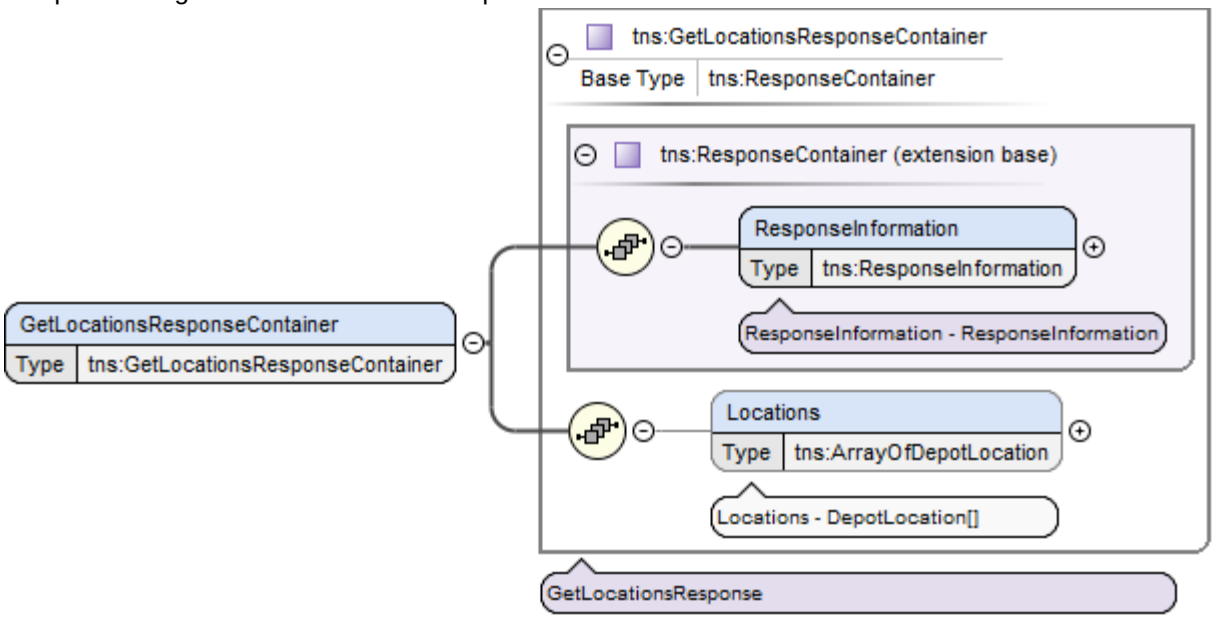
### 2.4.1.6 Request Diagrams – HoursOfOperation



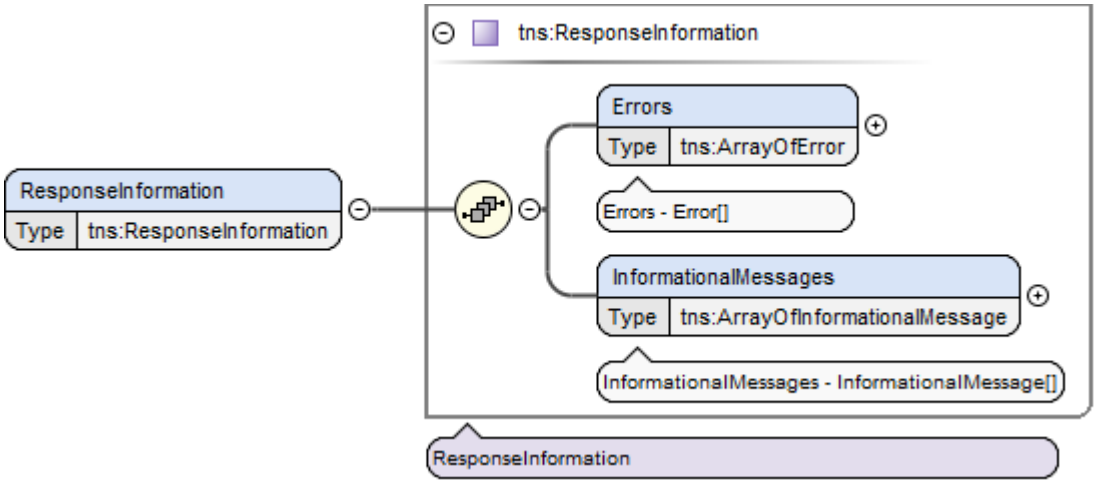

### 2.4.1.7 Request Diagrams – DaysOfOperation



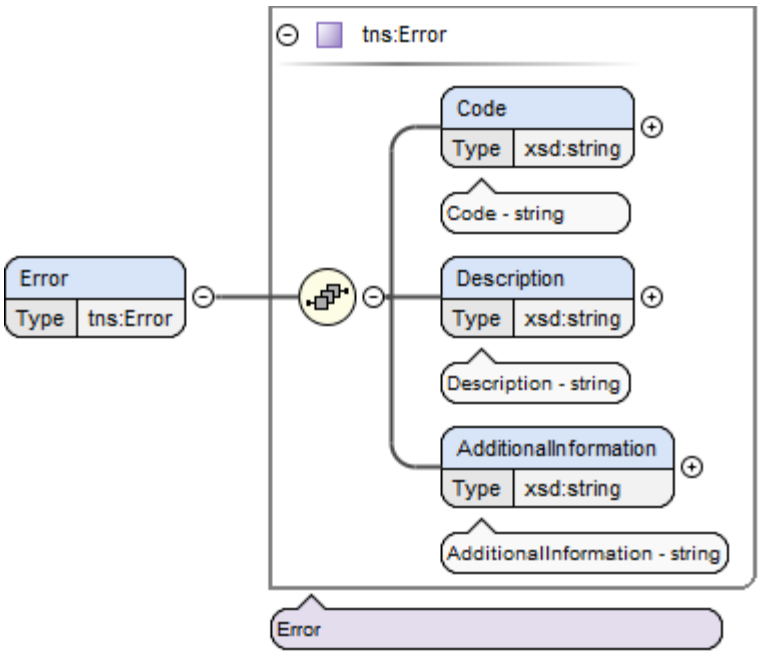
### 2.4.1.8 Response Diagrams – GetLocationsResponse



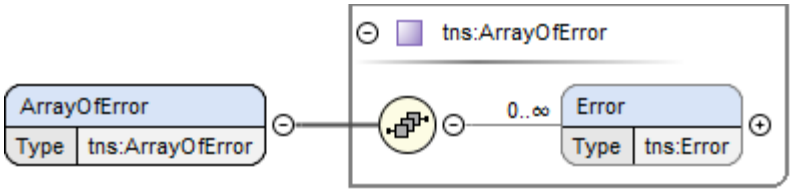

### 2.4.1.9 Response Diagrams – Response Information



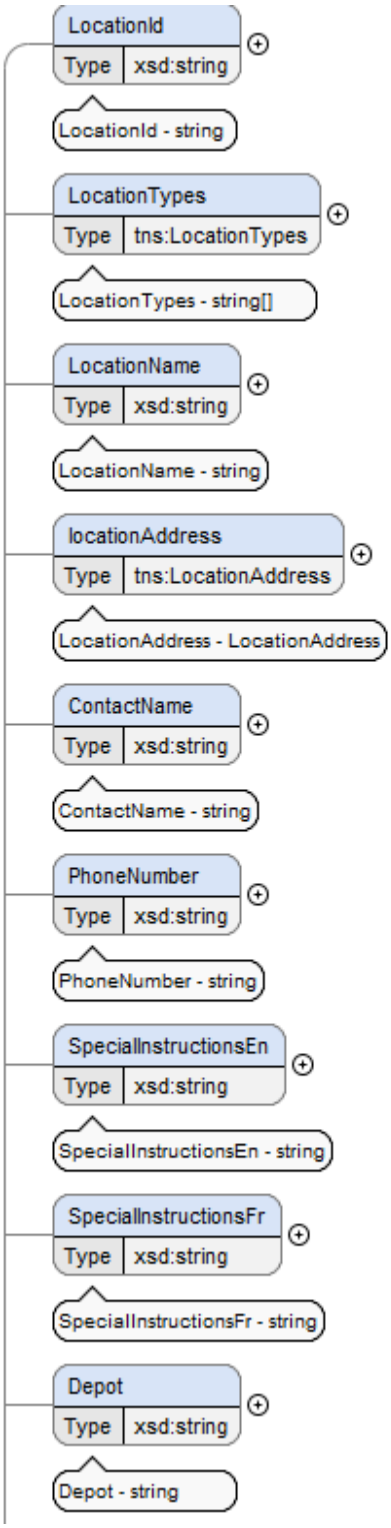
2.4.1.10 Response Diagrams – Error

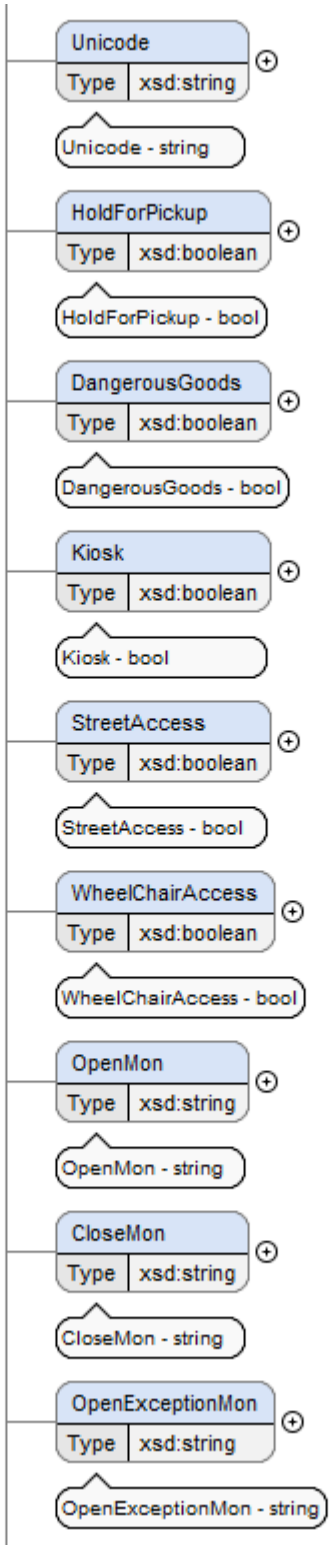



2.4.1.11 Response Diagrams – ArrayOfError



2.4.1.12 Response Diagrams – Depot Locations




Unicode
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Unicode - string
HoldForPickup
Type xsd:boolean
HoldForPickup - bool
DangerousGoods
Type xsd:boolean
DangerousGoods - bool
Kiosk
Type xsd:boolean
Kiosk - bool
StreetAccess
Type xsd:boolean
StreetAccess - bool
WheelChairAccess
Type xsd:boolean
WheelChairAccess - bool
OpenMon
Type xsd:string
OpenMon - string
CloseMon
Type xsd:string
CloseMon - string
OpenExceptionMon
Type xsd:string
OpenExceptionMon - string


DepotLocation
DepotLocation
CloseExceptionMon
Type xsd:string
CloseExceptionMon - string
OpenTue
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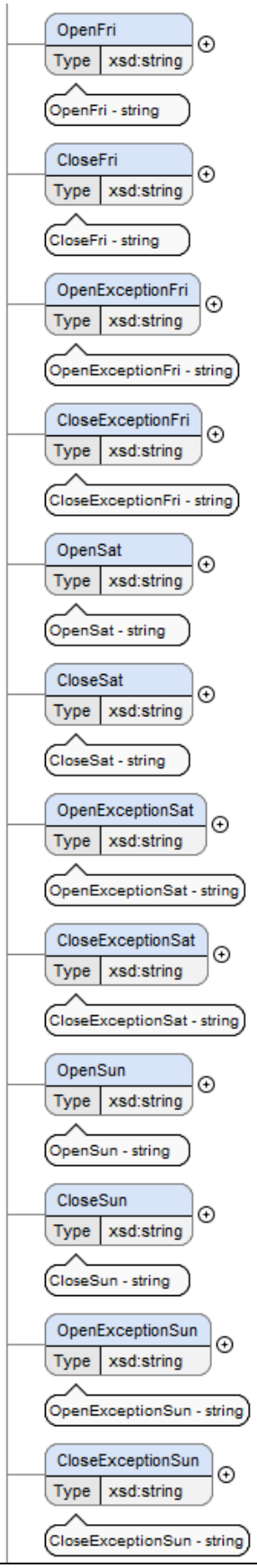
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CloseFri
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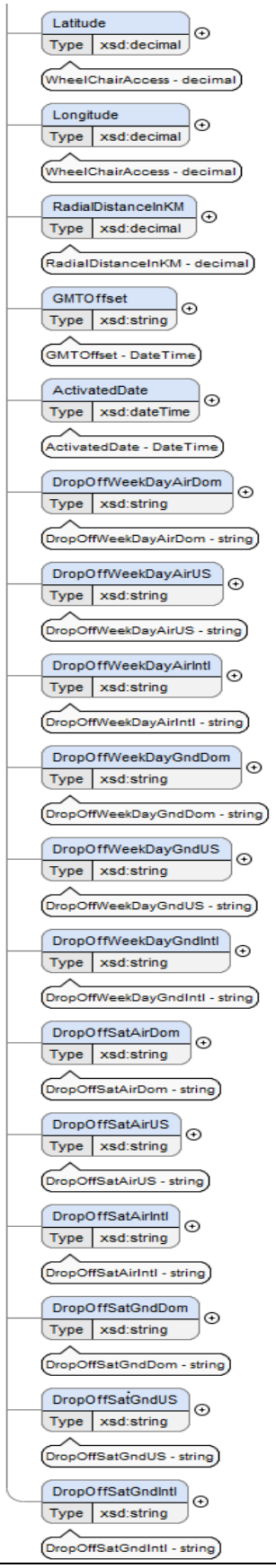
Latitude
Type xsd:decimal
WheelChairAccess - decimal
Longitude
Type xsd:decimal
WheelChairAccess - decimal
RadialDistanceInKM
Type xsd:decimal
RadialDistanceInKM - decimal
GMTOffset
Type xsd:string
GMTOffset - DateTime
ActivatedDate
Type xsd:dateTime
ActivatedDate - DateTime
DropOffWeekDayAirDom
Type xsd:string
DropOffWeekDayAirDom - string
DropOffWeekDayAirUS
Type xsd:string
DropOffWeekDayAirUS - string
DropOffWeekDayAirIntl
Type xsd:string
DropOffWeekDayAirIntl - string
DropOffWeekDayGndDom
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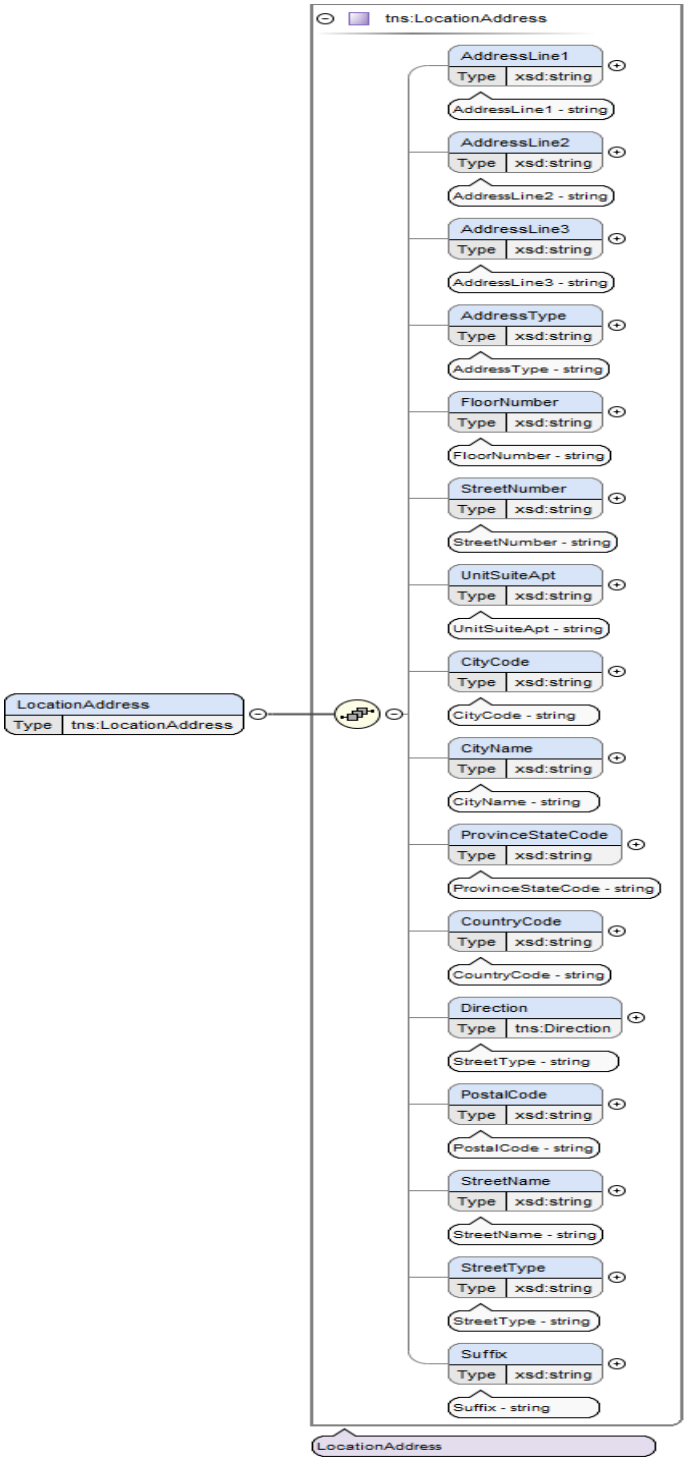
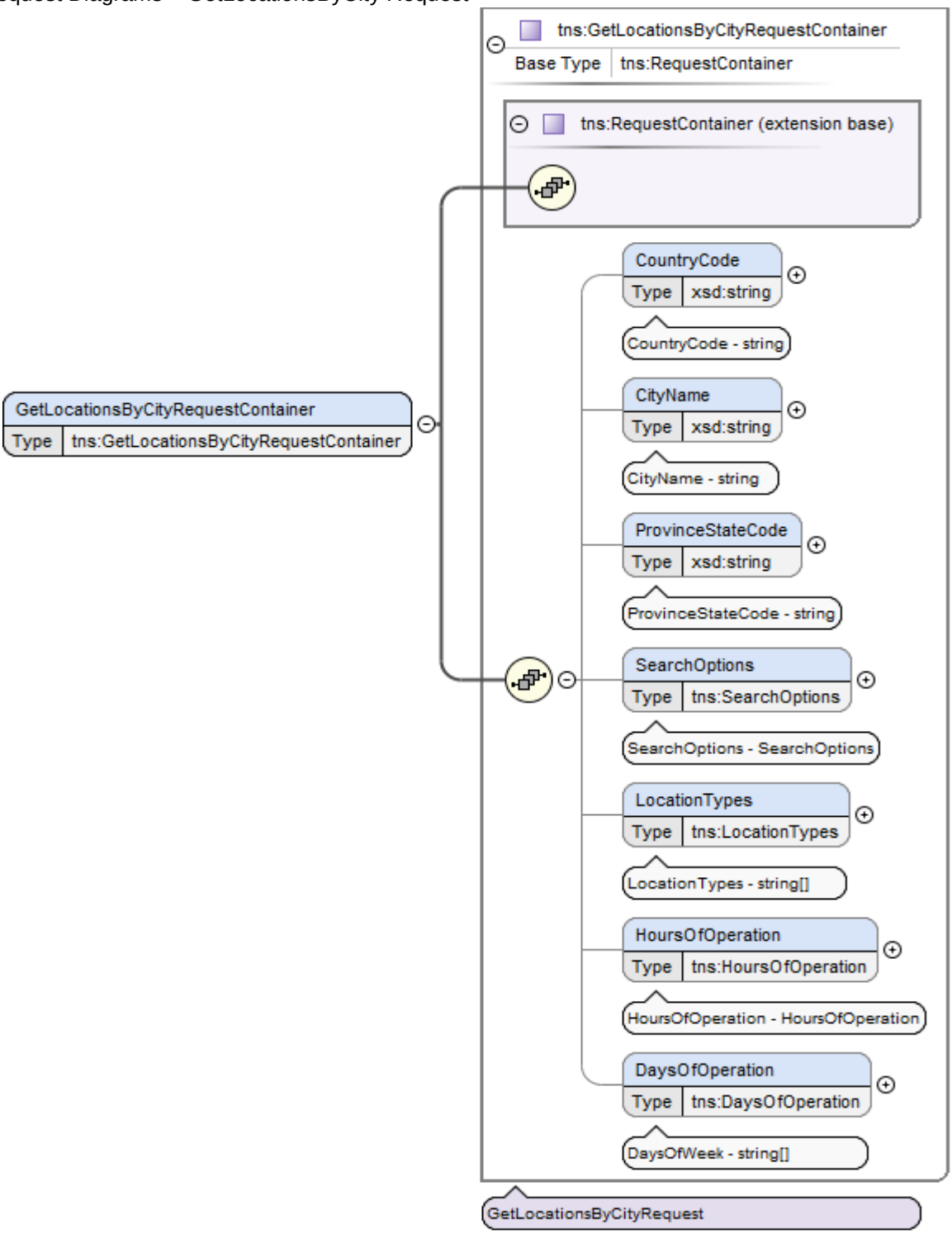
### 2.4.1.13 Response Diagrams – LocationAddress



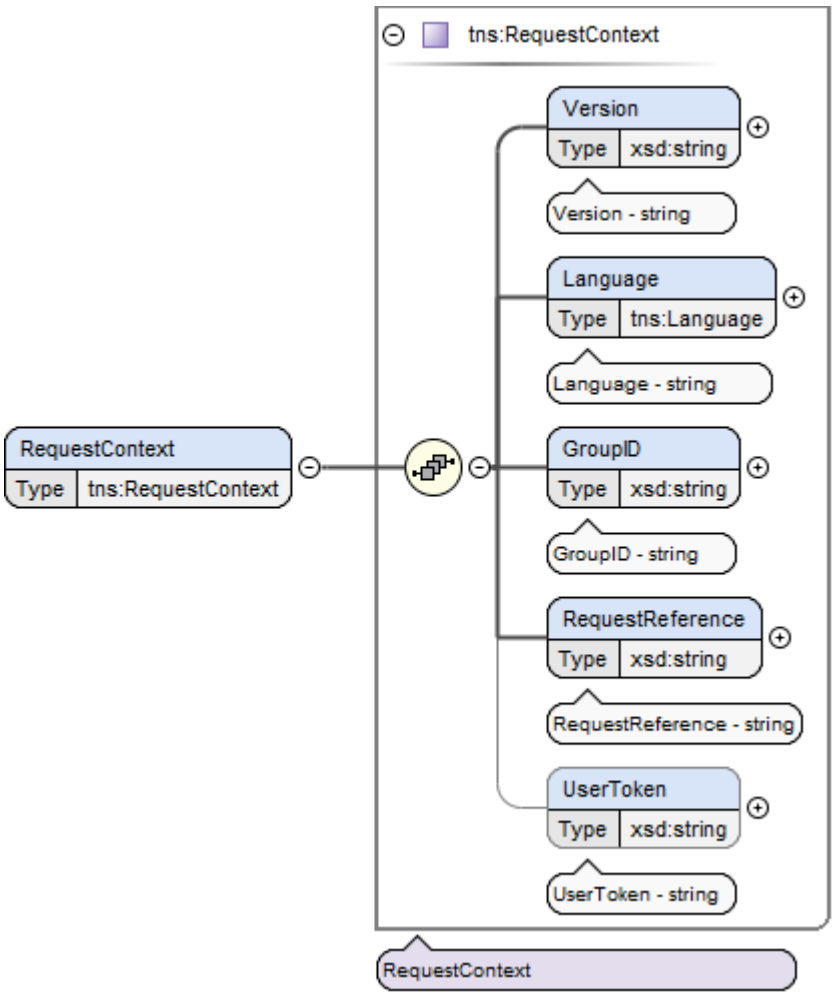
### 2.4.2 GetLocationsByCity

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.

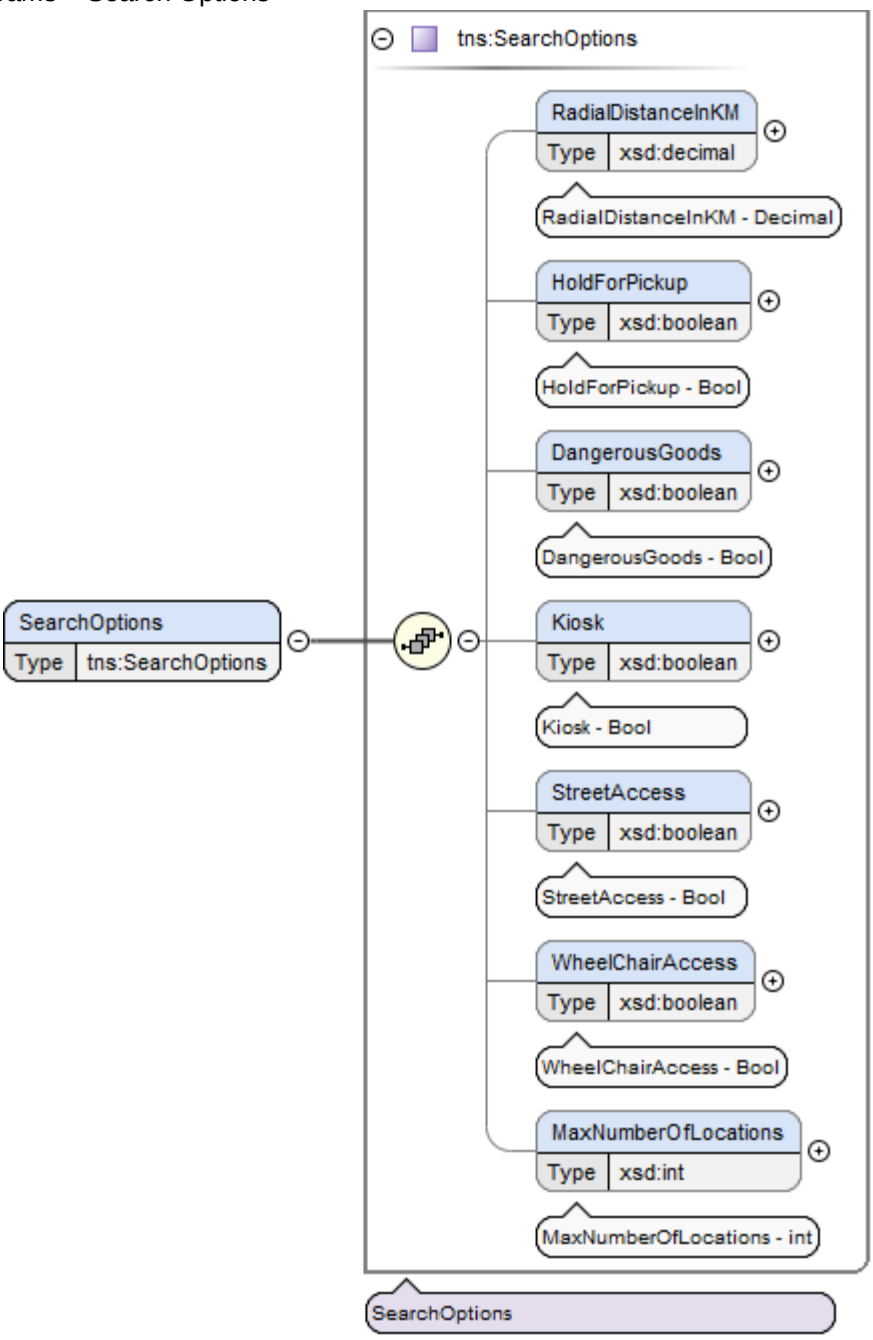
#### 2.4.2.1 Request Diagrams – GetLocationsByCity Request



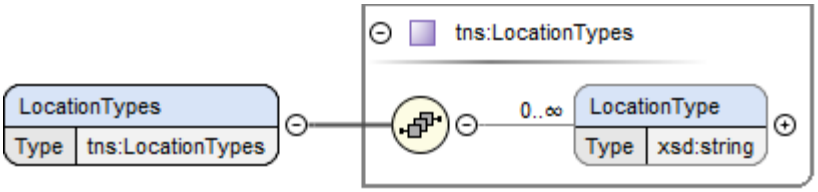
#### 2.4.2.2 Request Diagrams – Request Context



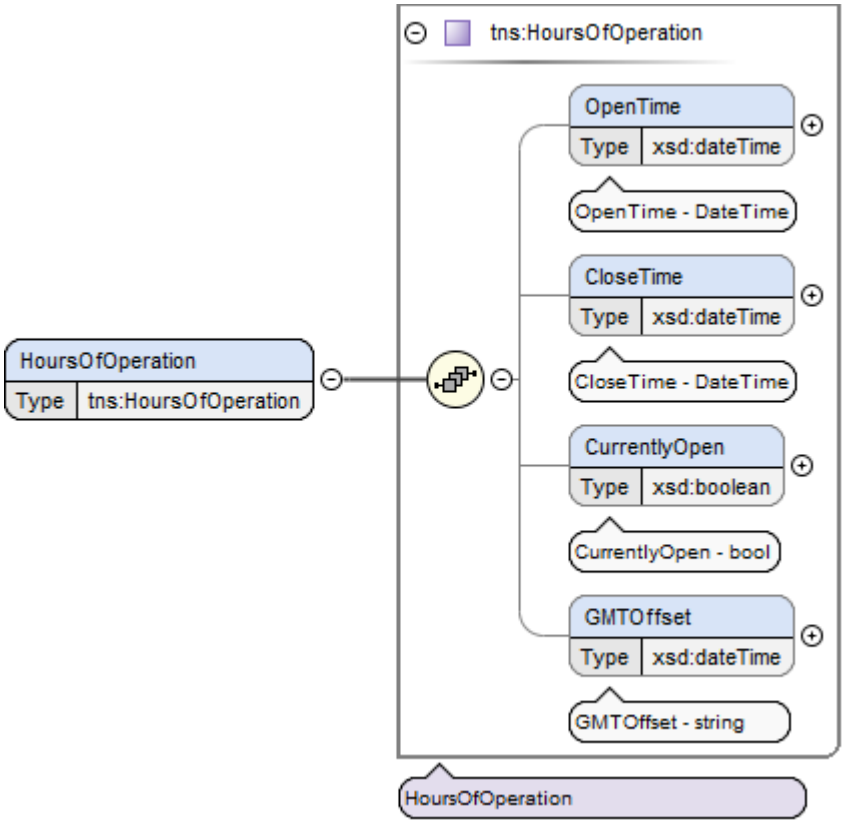
### 2.4.2.3 Request Diagrams – Search Options



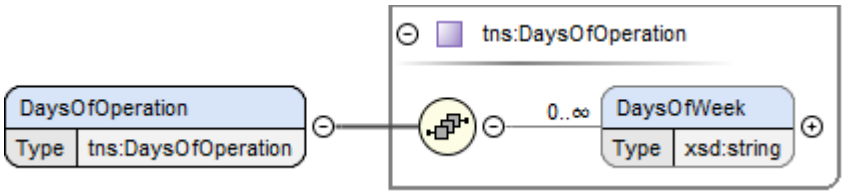

### 2.4.2.4 Request Diagrams – LocationTypes



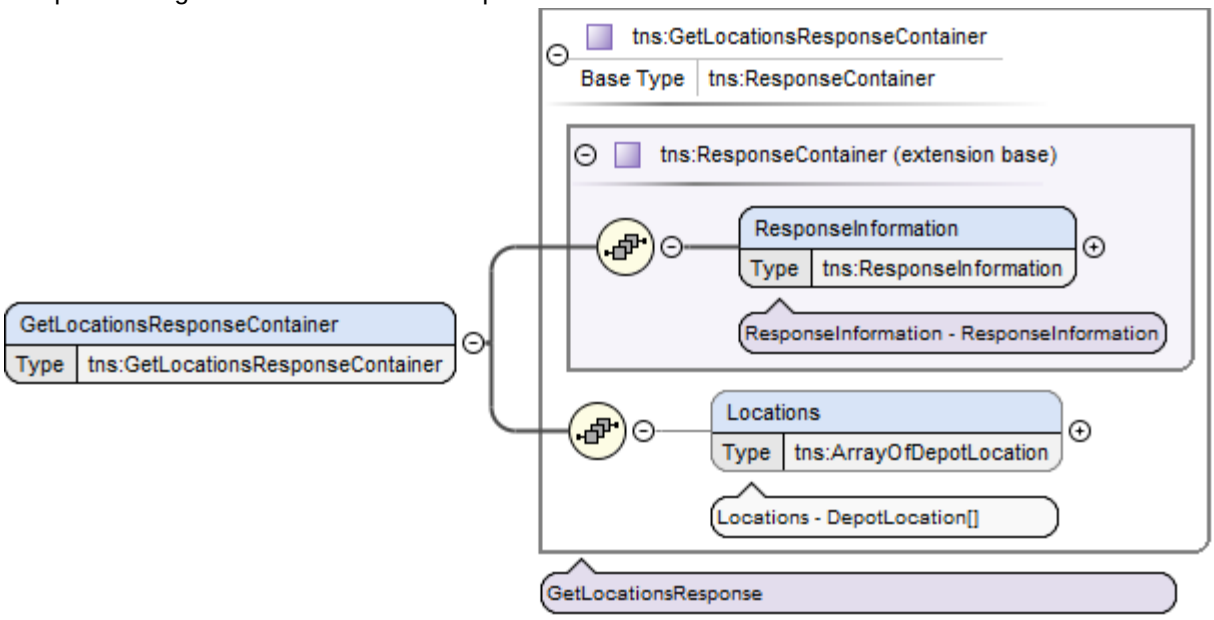
### 2.4.2.5 Request Diagrams – HoursOfOperation



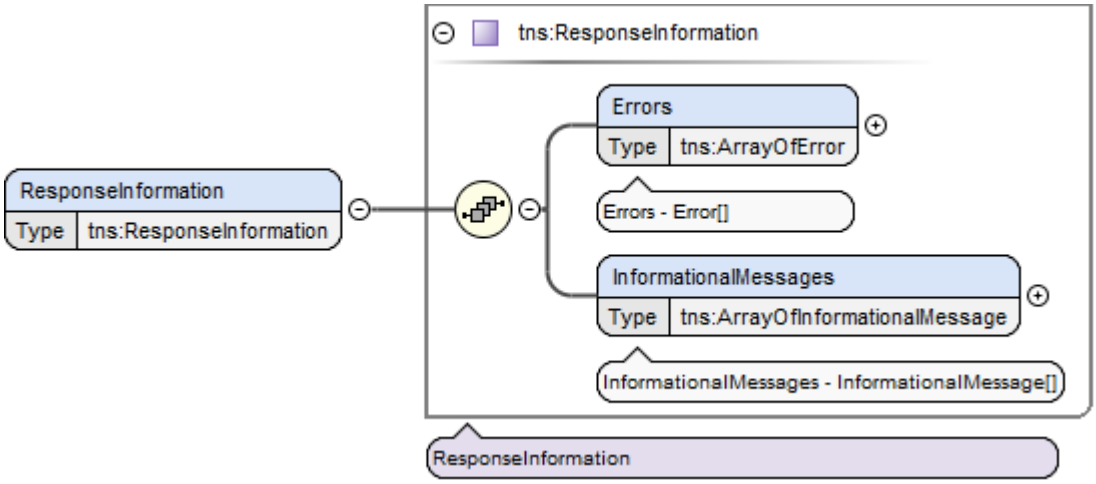

### 2.4.2.6 Request Diagrams – DaysOfOperation



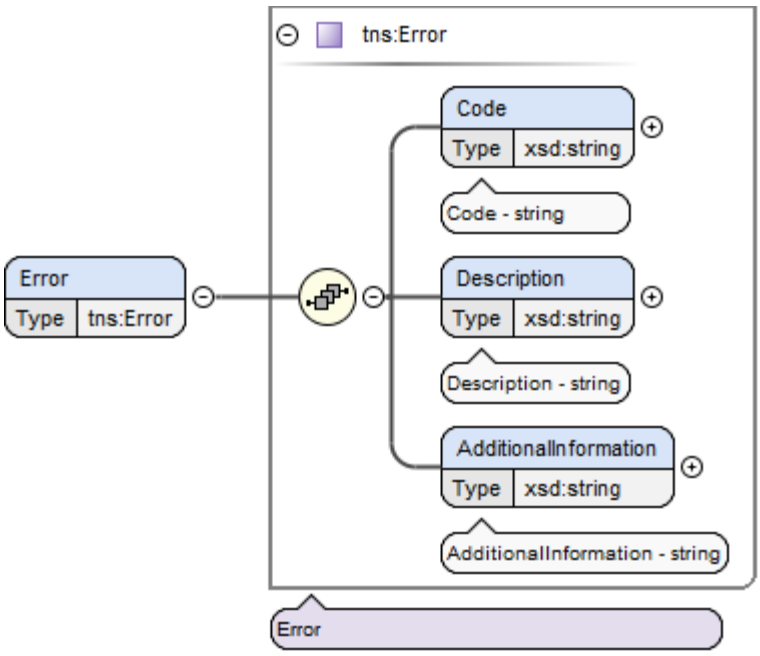
### 2.4.2.7 Response Diagrams – GetLocationsResponse



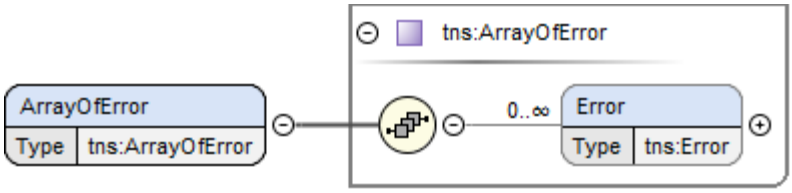

### 2.4.2.8 Response Diagrams – Response Information



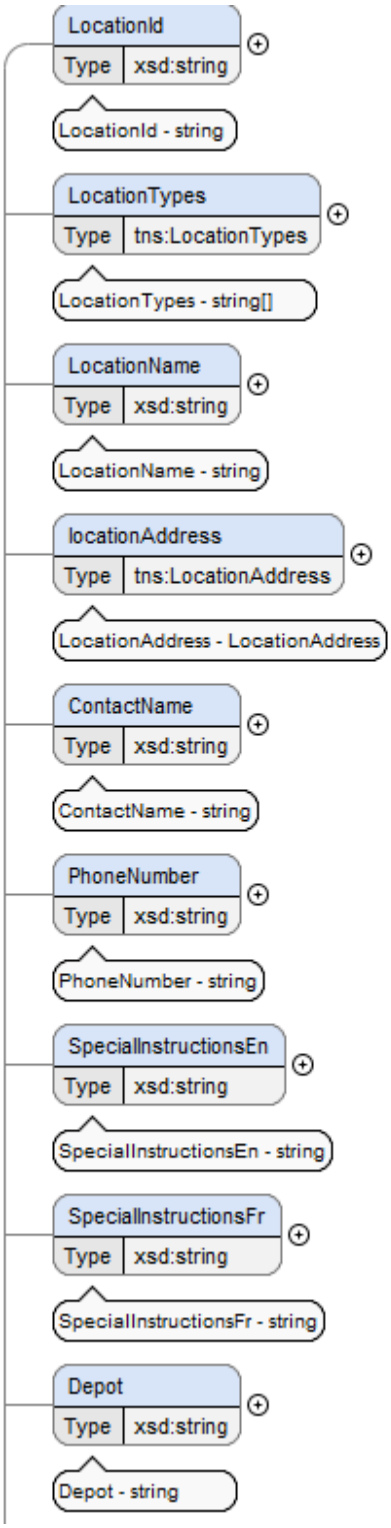
2.4.2.9 Response Diagrams – Error

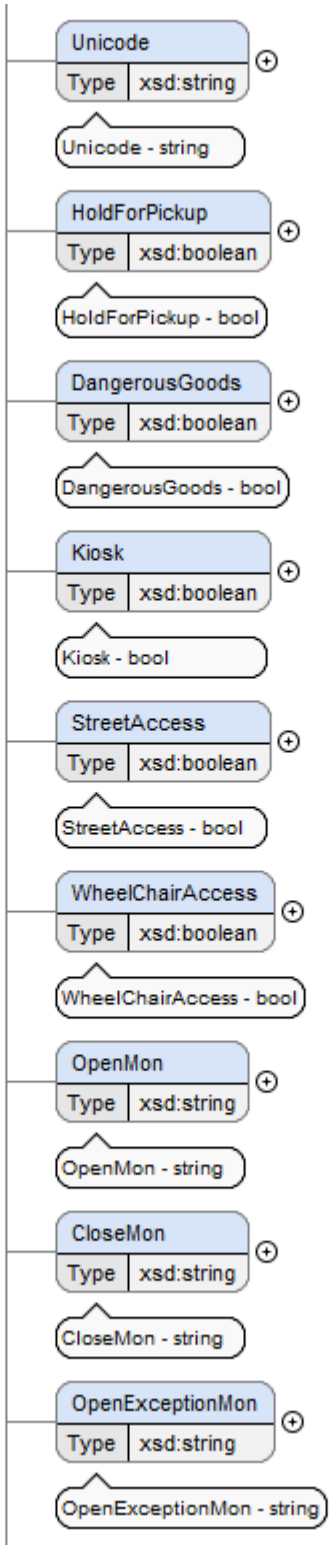



2.4.2.10 Response Diagrams – ArrayOfError



2.4.2.11 Response Diagrams – Depot Locations




Unicode
Type xsd:string
Unicode - string
HoldForPickup
Type xsd:boolean
HoldForPickup - bool
DangerousGoods
Type xsd:boolean
DangerousGoods - bool
Kiosk
Type xsd:boolean
Kiosk - bool
StreetAccess
Type xsd:boolean
StreetAccess - bool
WheelChairAccess
Type xsd:boolean
WheelChairAccess - bool
OpenMon
Type xsd:string
OpenMon - string
CloseMon
Type xsd:string
CloseMon - string
OpenExceptionMon
Type xsd:string
OpenExceptionMon - string


DepotLocation
DepotLocation
CloseExceptionMon
Type xsd:string
CloseExceptionMon - string
OpenTue
Type xsd:string
OpenTue - string
CloseTue
Type xsd:string
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OpenExceptionTue
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OpenExceptionTue - string
CloseExceptionTue
Type xsd:string
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Type xsd:string
OpenWed - string
CloseWed
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Type xsd:string
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OpenThu
Type xsd:string
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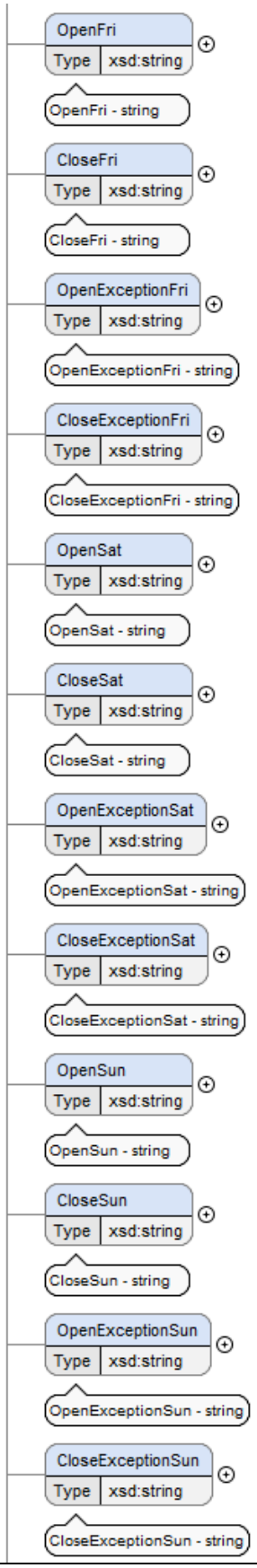
CloseExceptionThu
Type xsd:string
CloseExceptionThu - string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Type xsd:string
OpenFri - string
CloseFri
Type xsd:string
CloseFri - string
OpenExceptionFri
Type xsd:string
OpenExceptionFri - string
CloseExceptionFri
Type xsd:string
CloseExceptionFri - string
OpenSat
Type xsd:string
OpenSat - string
CloseSat
Type xsd:string
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OpenExceptionSat
Type xsd:string
OpenExceptionSat - string
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Type xsd:string
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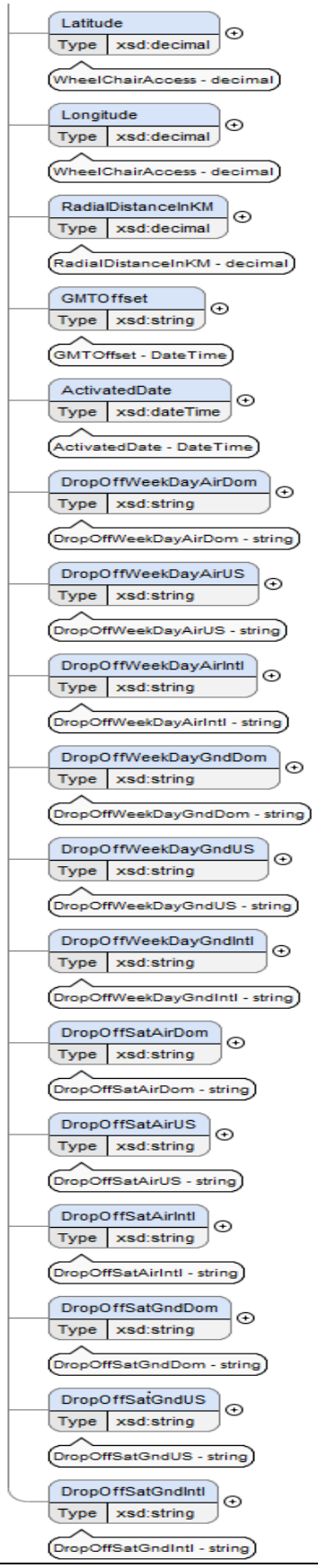
OpenSun
Type xsd:string
OpenSun - string
CloseSun
Type xsd:string
CloseSun - string
OpenExceptionSun
Type xsd:string
OpenExceptionSun - string
CloseExceptionSun
Type xsd:string
CloseExceptionSun - string


Latitude
Type xsd:decimal
WheelChairAccess - decimal
Longitude
Type xsd:decimal
WheelChairAccess - decimal
RadialDistanceInKM
Type xsd:decimal
RadialDistanceInKM - decimal
GMTOffset
Type xsd:string
GMTOffset - DateTime
ActivatedDate
Type xsd:dateTime
ActivatedDate - DateTime
DropOffWeekDayAirDom
Type xsd:string
DropOffWeekDayAirDom - string
DropOffWeekDayAirUS
Type xsd:string
DropOffWeekDayAirUS - string
DropOffWeekDayAirIntl
Type xsd:string
DropOffWeekDayAirIntl - string
DropOffWeekDayGndDom
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Type xsd:string
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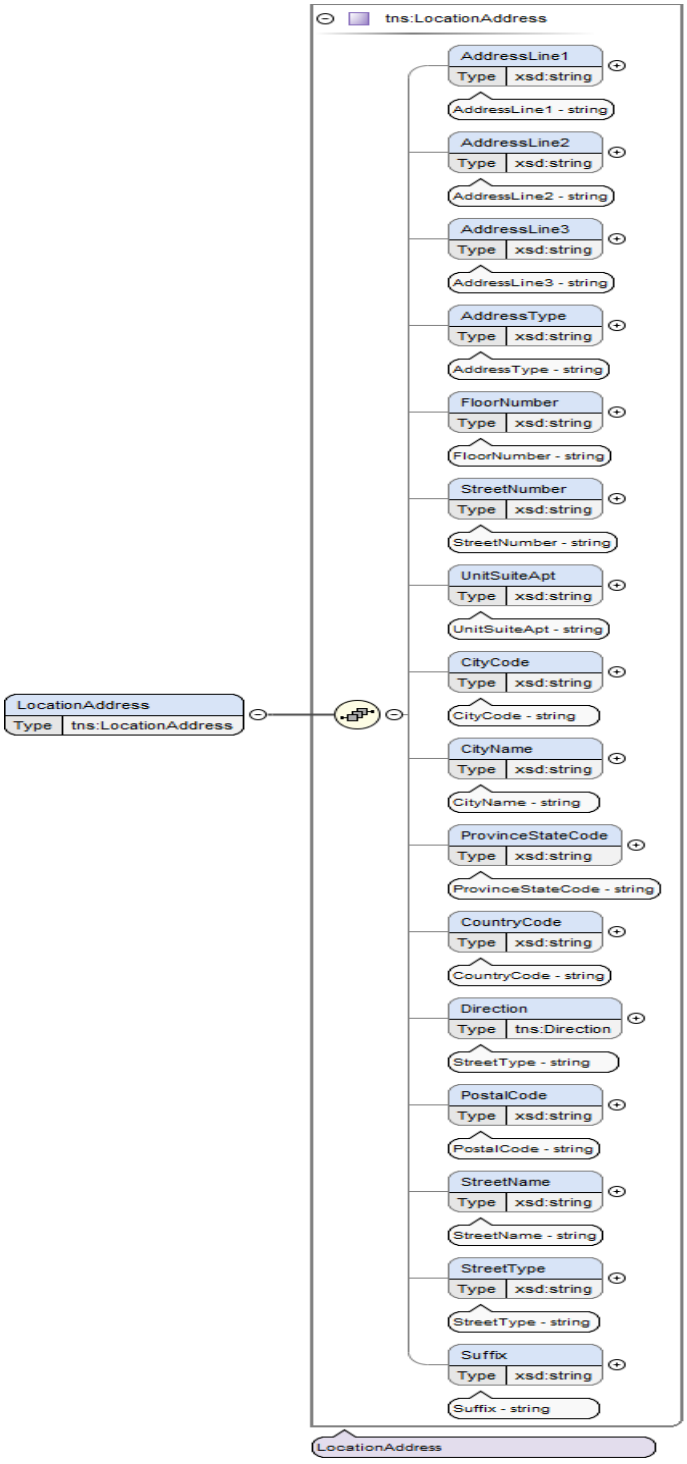
Type xsd:string
DropOffSatGndDom - string
DropOffSatGndUS
Type xsd:string
DropOffSatGndUS - string
DropOffSatGndIntl
Type xsd:string
DropOffSatGndIntl - string

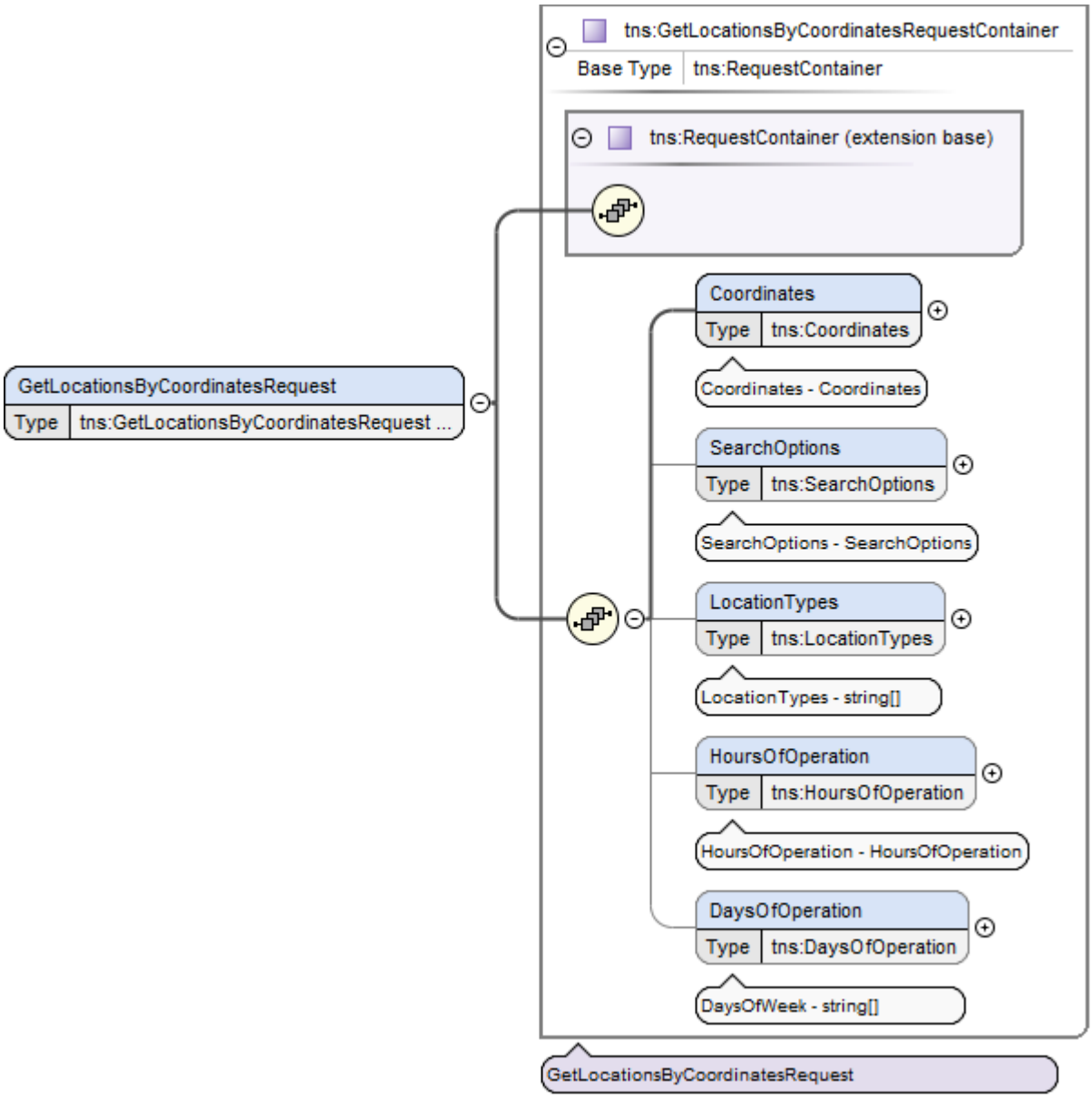
### 2.4.2.12 Response Diagrams – LocationAddress



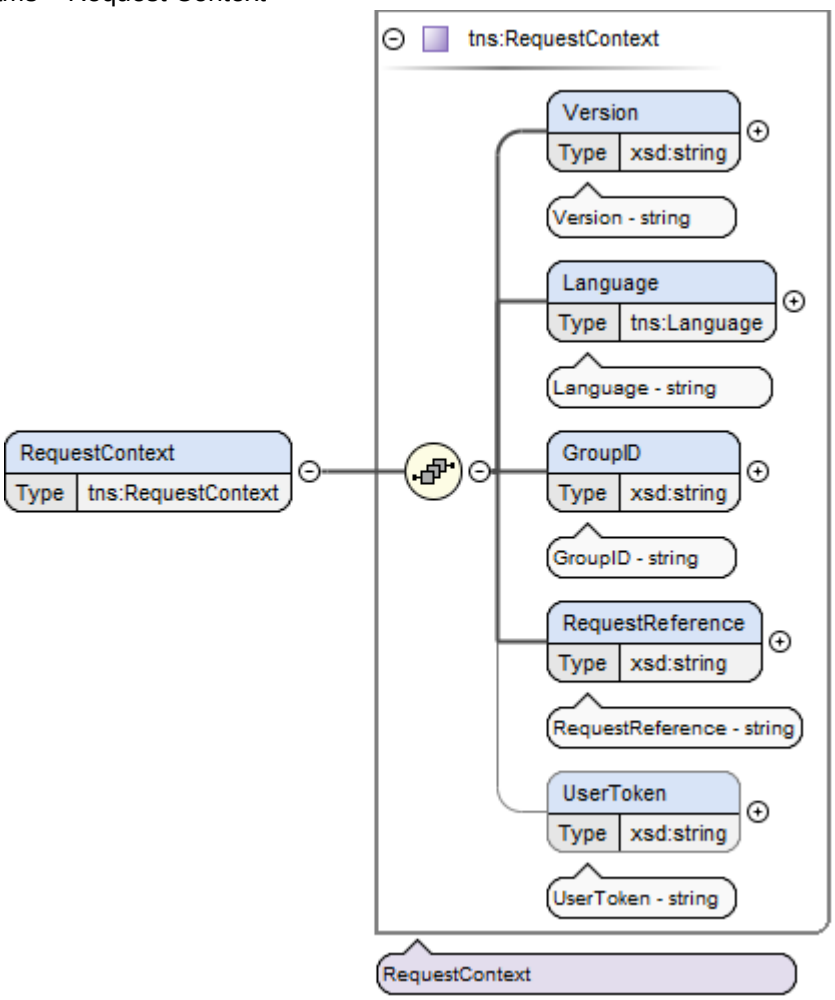
### 2.4.3 GetLocationsByCoordinates

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.

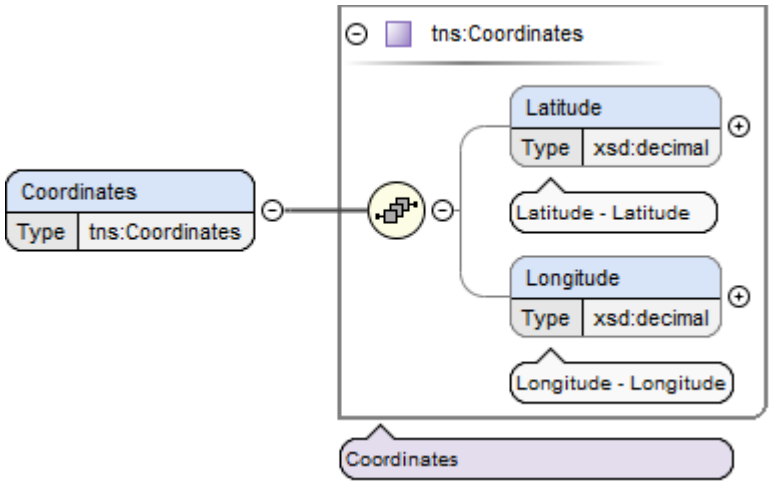
#### 2.4.3.1 Request Diagrams – GetLocationsByCoordinates Request



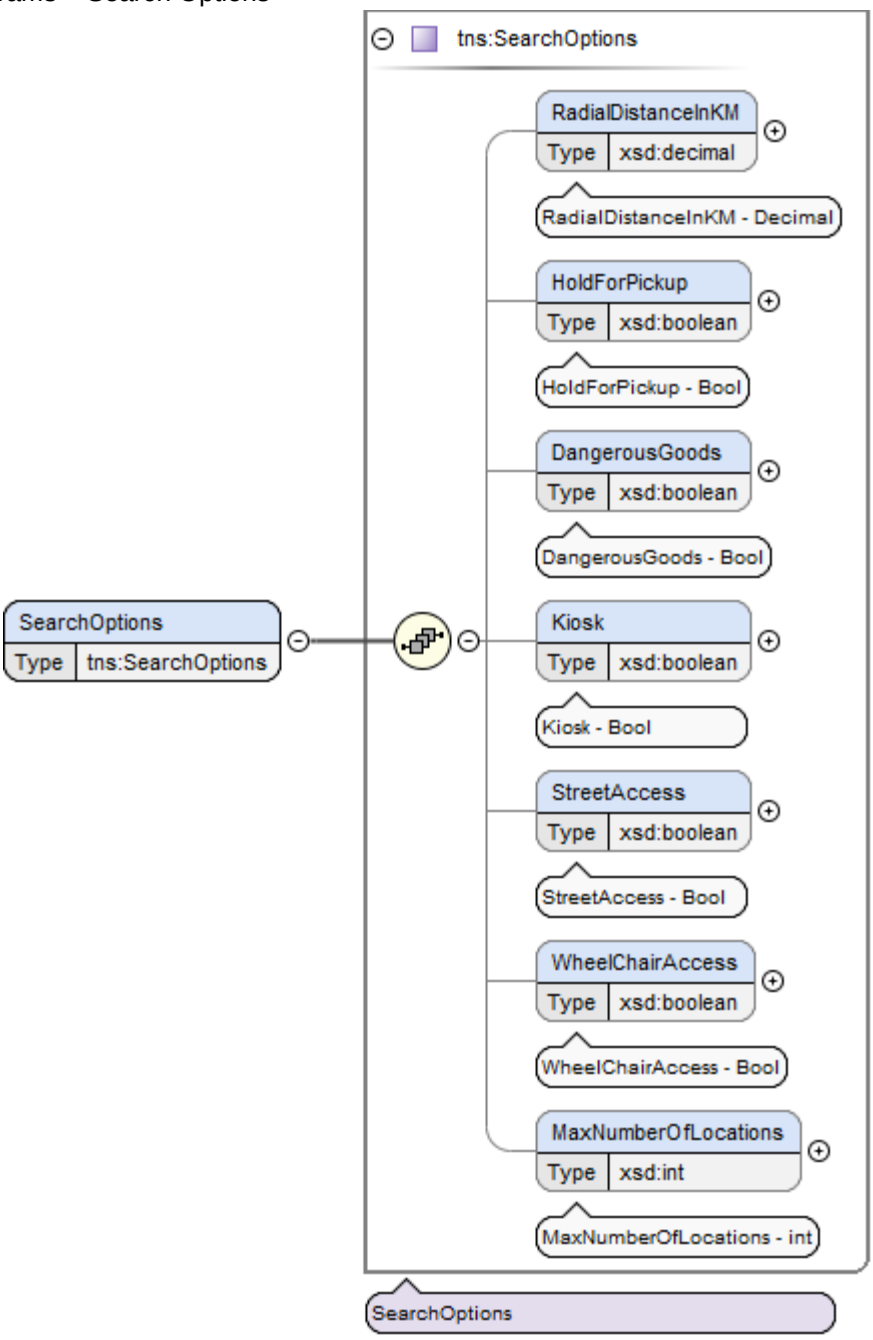
### 2.4.3.2 Request Diagrams – Request Context



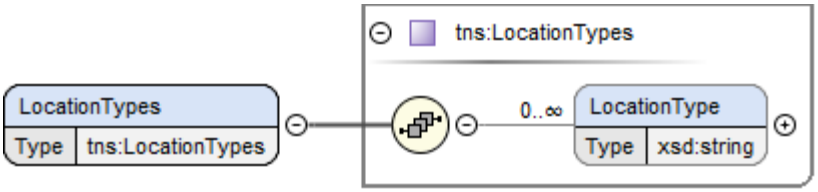

### 2.4.3.3 Request Diagrams – Coordinates



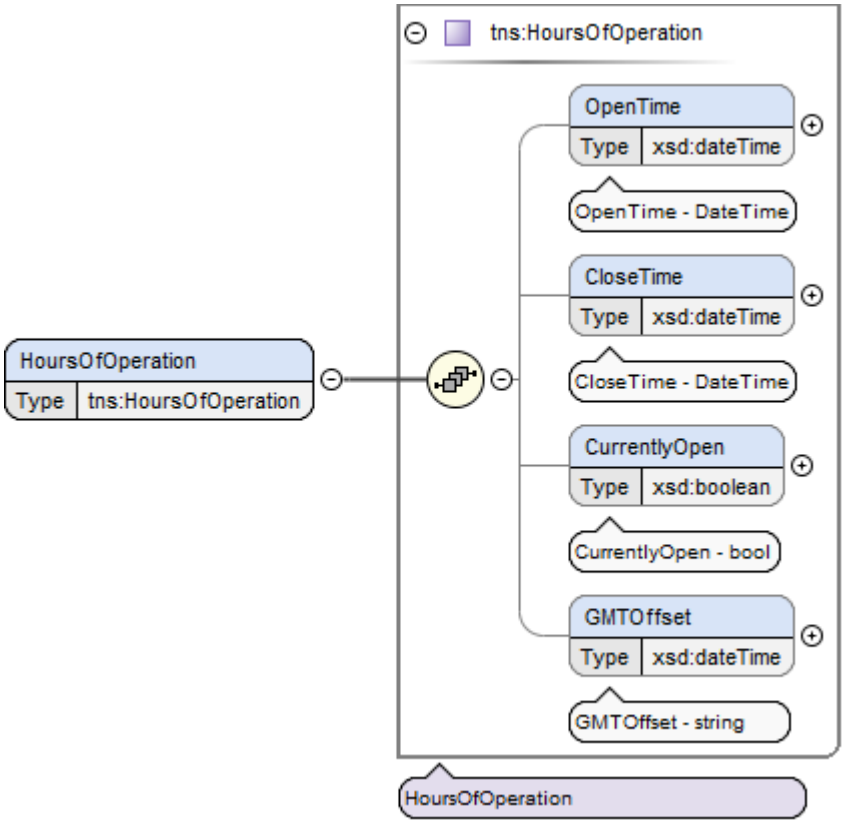
### 2.4.3.4 Request Diagrams – Search Options



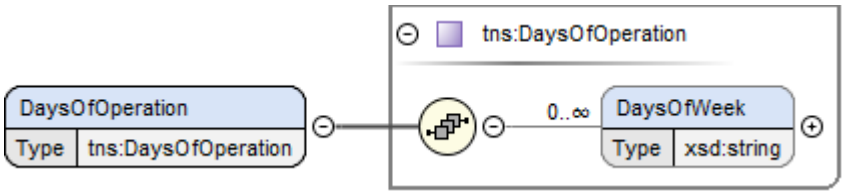

### 2.4.3.5 Request Diagrams – LocationTypes



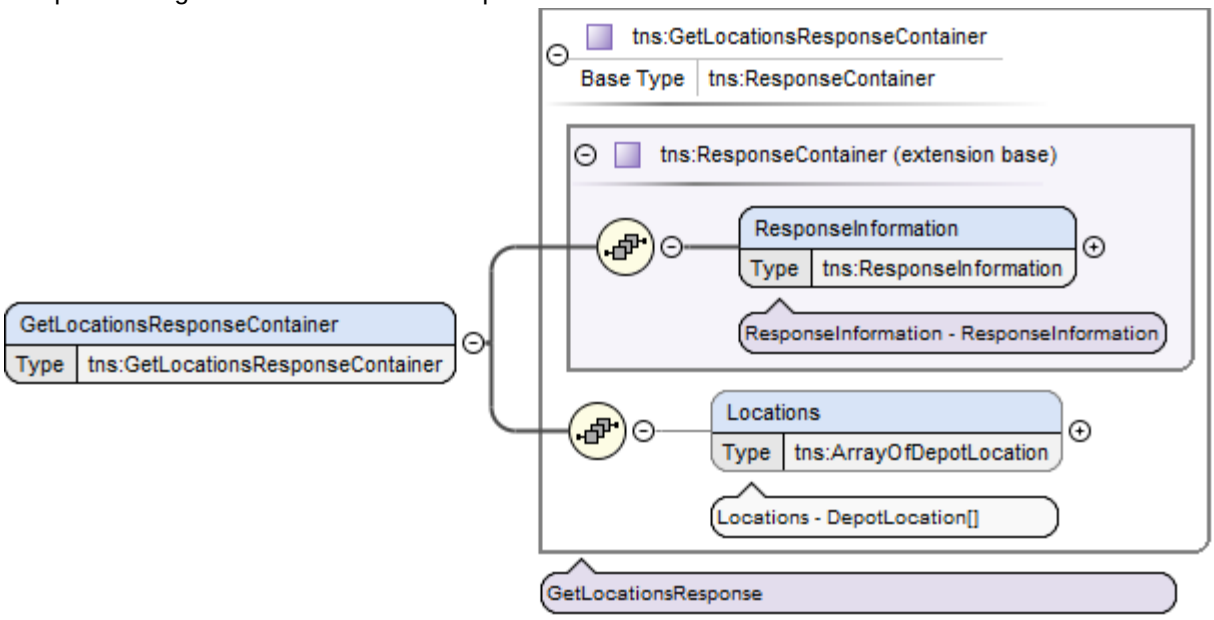
### 2.4.3.6 Request Diagrams – HoursOfOperation



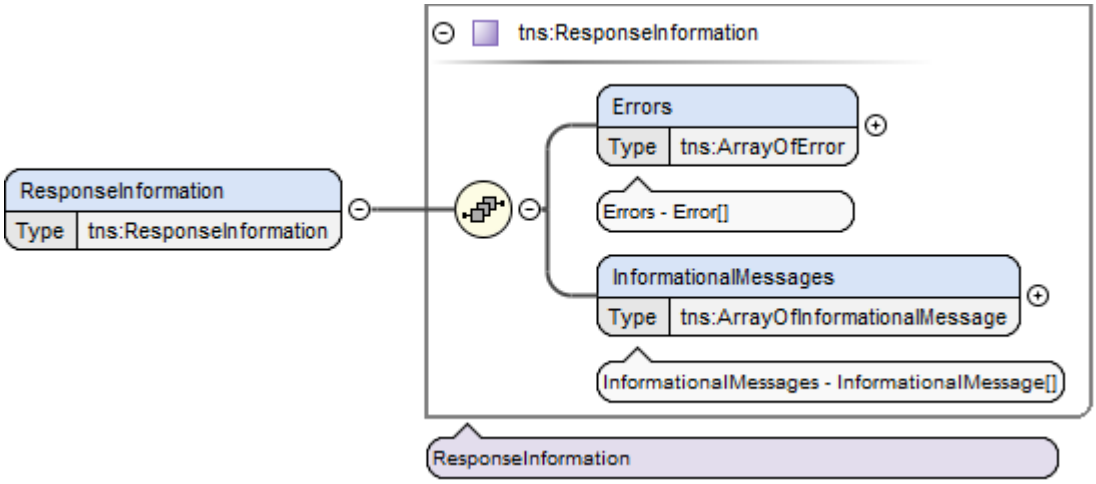

### 2.4.3.7 Request Diagrams – DaysOfOperation



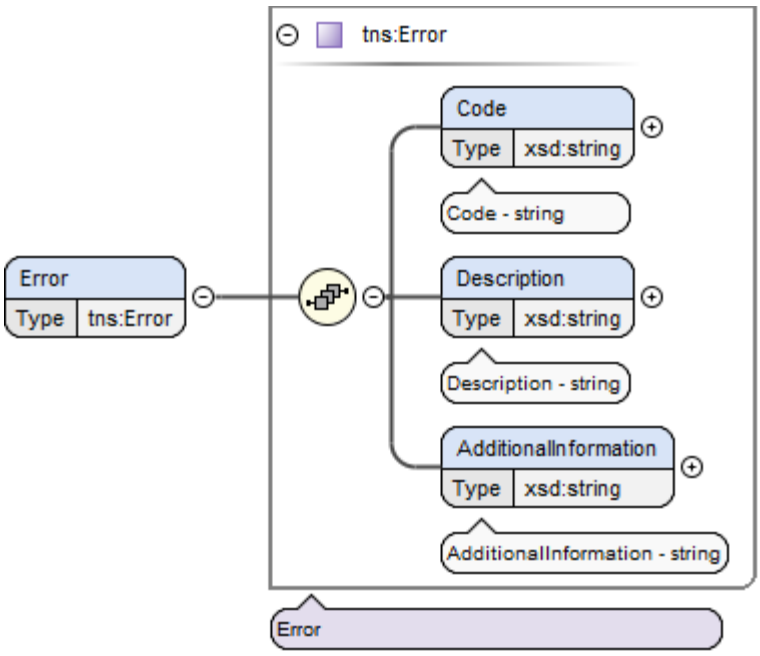
### 2.4.3.8 Response Diagrams – GetLocationsResponse



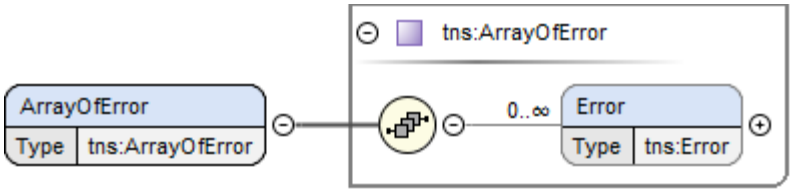

### 2.4.3.9 Response Diagrams – Response Information



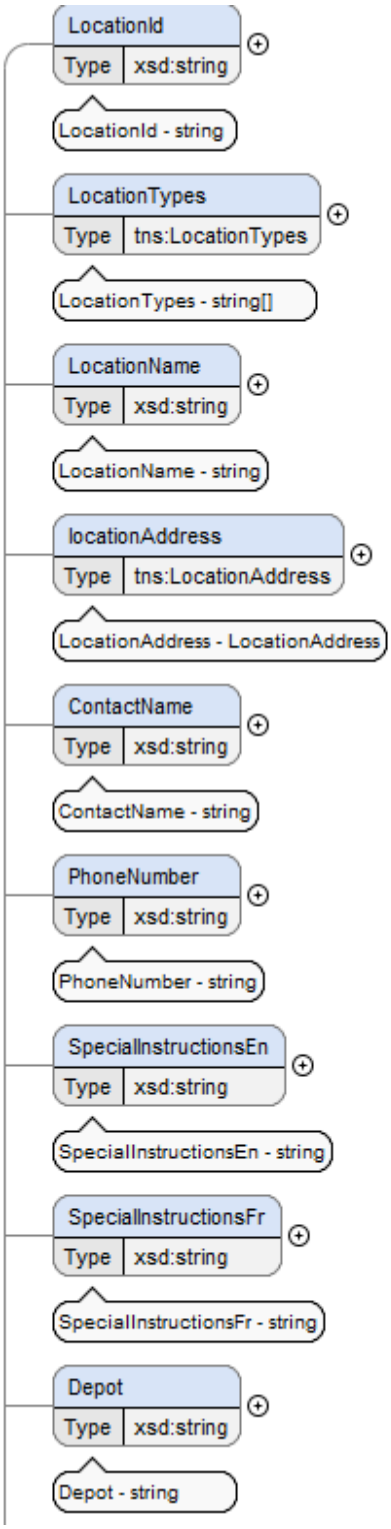
2.4.3.10 Response Diagrams – Error

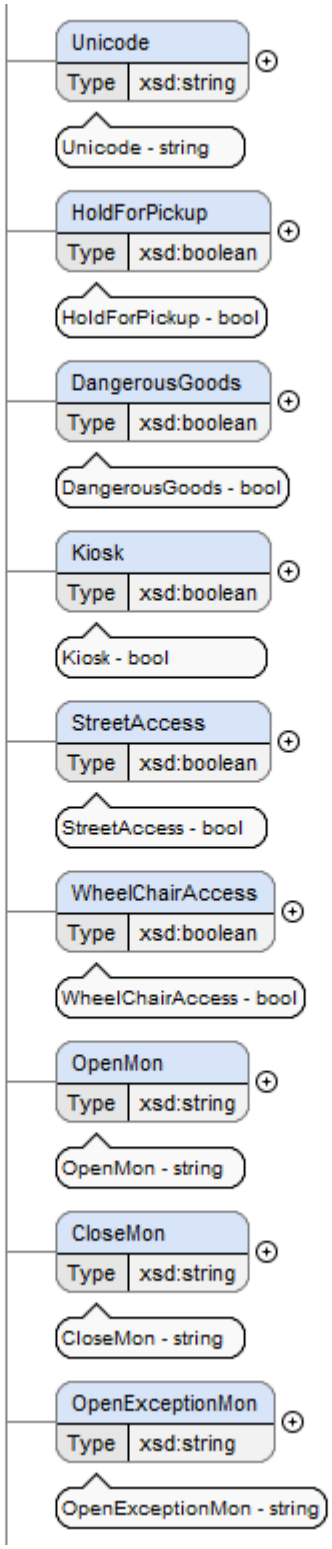



2.4.3.11 Response Diagrams – ArrayOfError



### 2.4.3.12 Response Diagrams – Depot Locations




Unicode
Type xsd:string
Unicode - string
HoldForPickup
Type xsd:boolean
HoldForPickup - bool
DangerousGoods
Type xsd:boolean
DangerousGoods - bool
Kiosk
Type xsd:boolean
Kiosk - bool
StreetAccess
Type xsd:boolean
StreetAccess - bool
WheelChairAccess
Type xsd:boolean
WheelChairAccess - bool
OpenMon
Type xsd:string
OpenMon - string
CloseMon
Type xsd:string
CloseMon - string
OpenExceptionMon
Type xsd:string
OpenExceptionMon - string


DepotLocation
DepotLocation
CloseExceptionMon
Type xsd:string
CloseExceptionMon - string
OpenTue
Type xsd:string
OpenTue - string
CloseTue
Type xsd:string
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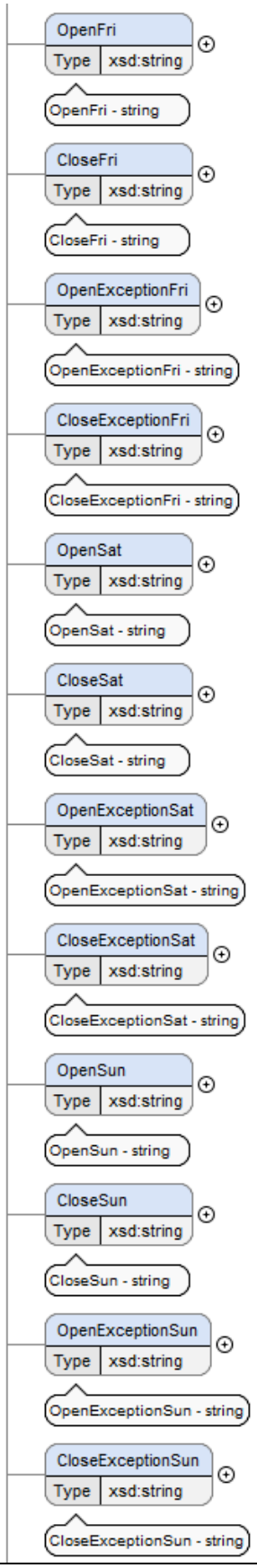
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Type xsd:string
OpenFri - string
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CloseFri - string
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Type xsd:string
OpenExceptionFri - string
CloseExceptionFri
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Type xsd:string
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OpenExceptionSun
Type xsd:string
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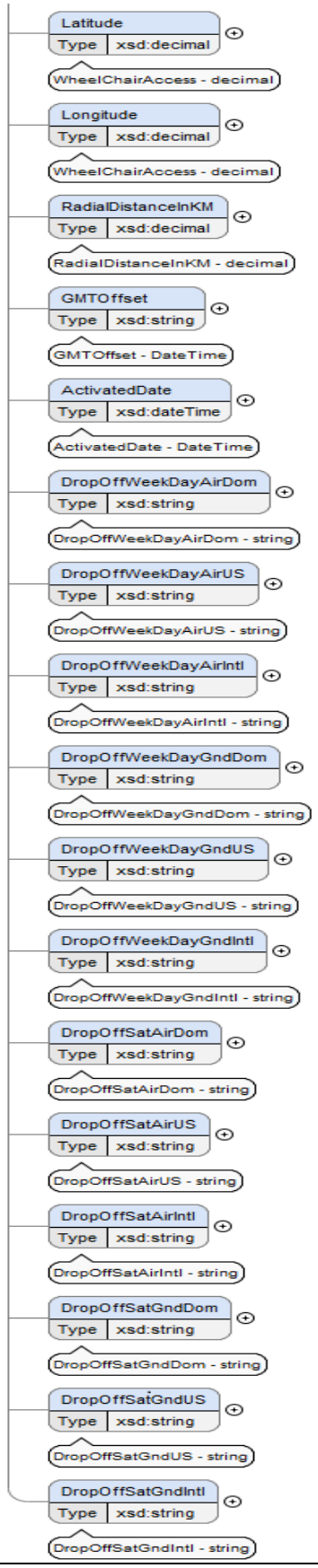
CloseExceptionSun
Type xsd:string
CloseExceptionSun - string


Latitude
Type xsd:decimal
WheelChairAccess - decimal
Longitude
Type xsd:decimal
WheelChairAccess - decimal
RadialDistanceInKM
Type xsd:decimal
RadialDistanceInKM - decimal
GMTOffset
Type xsd:string
GMTOffset - DateTime
ActivatedDate
Type xsd:dateTime
ActivatedDate - DateTime
DropOffWeekDayAirDom
Type xsd:string
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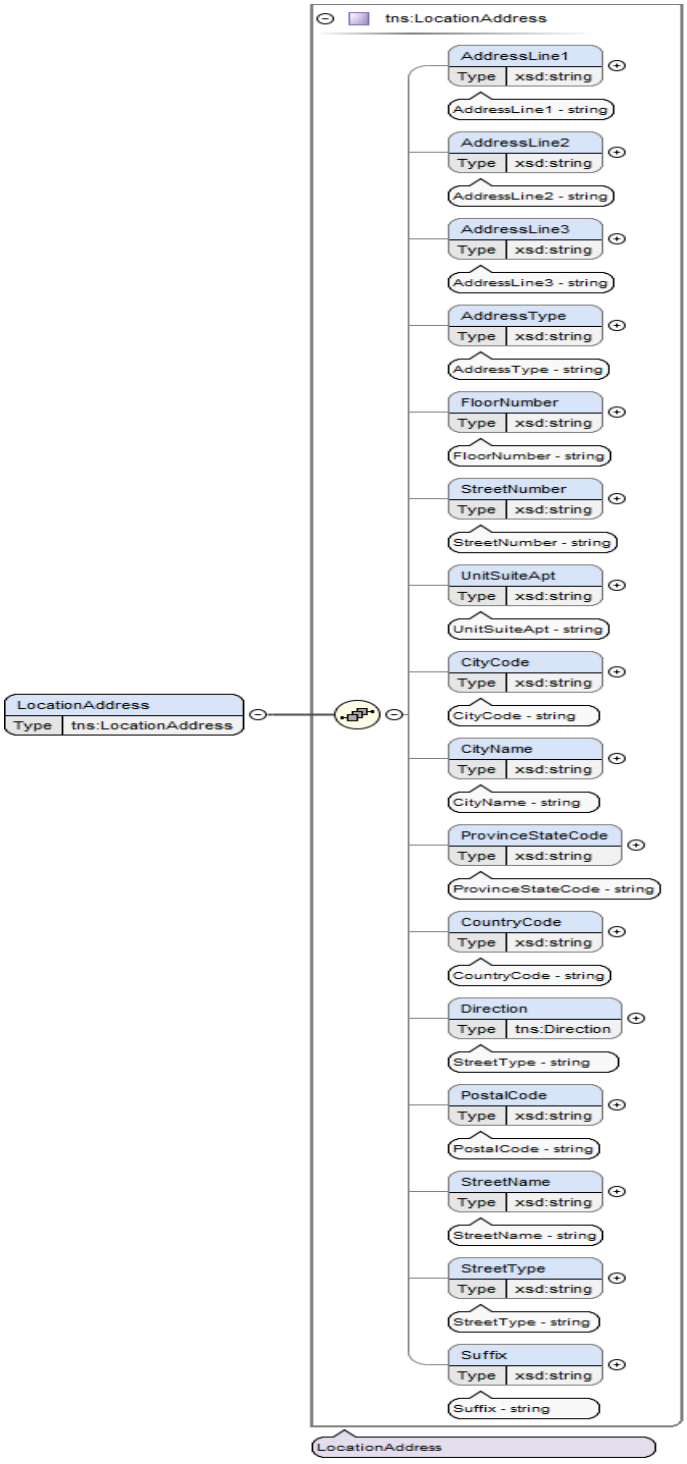
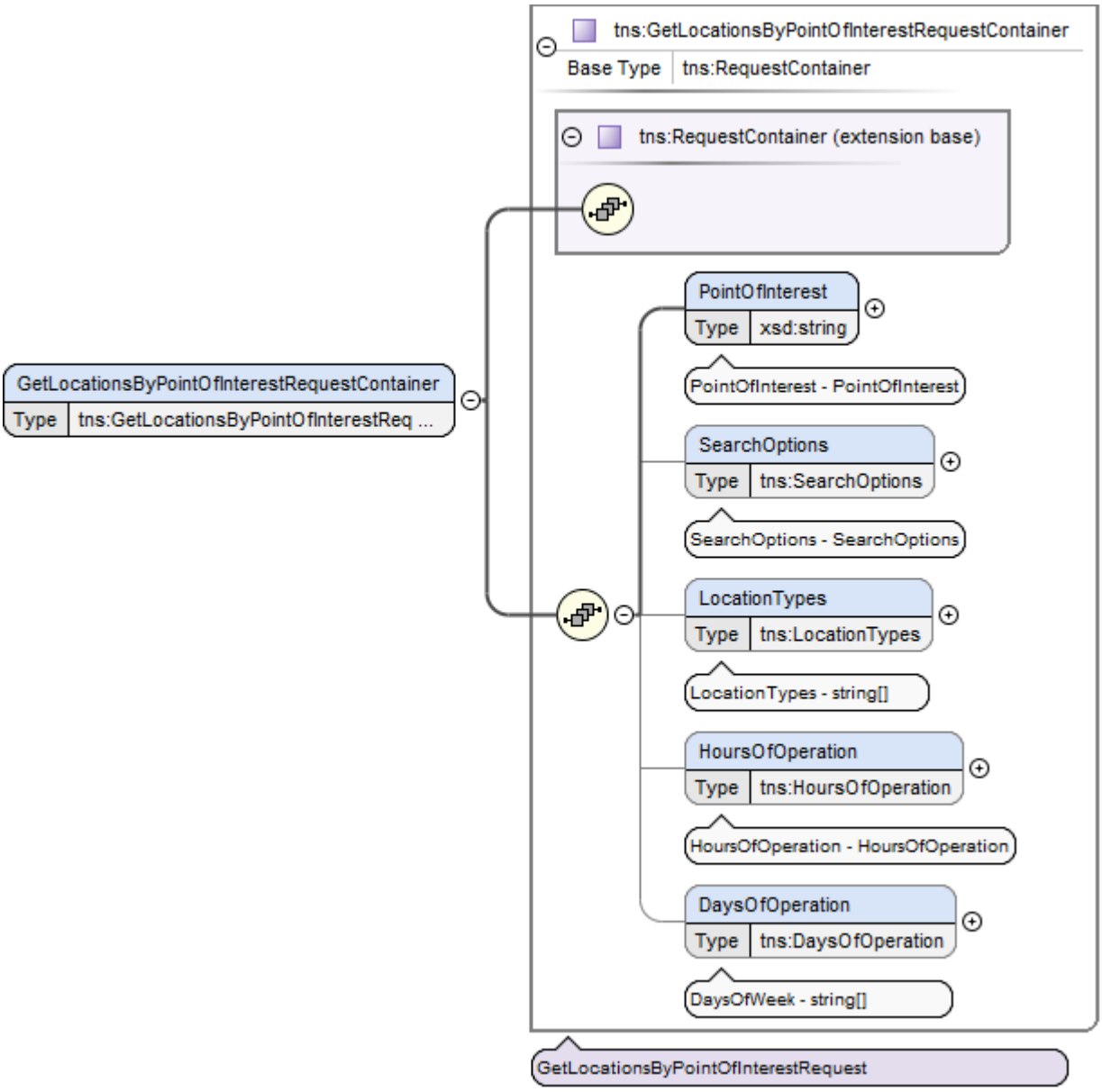
### 2.4.3.13 Response Diagrams – LocationAddress



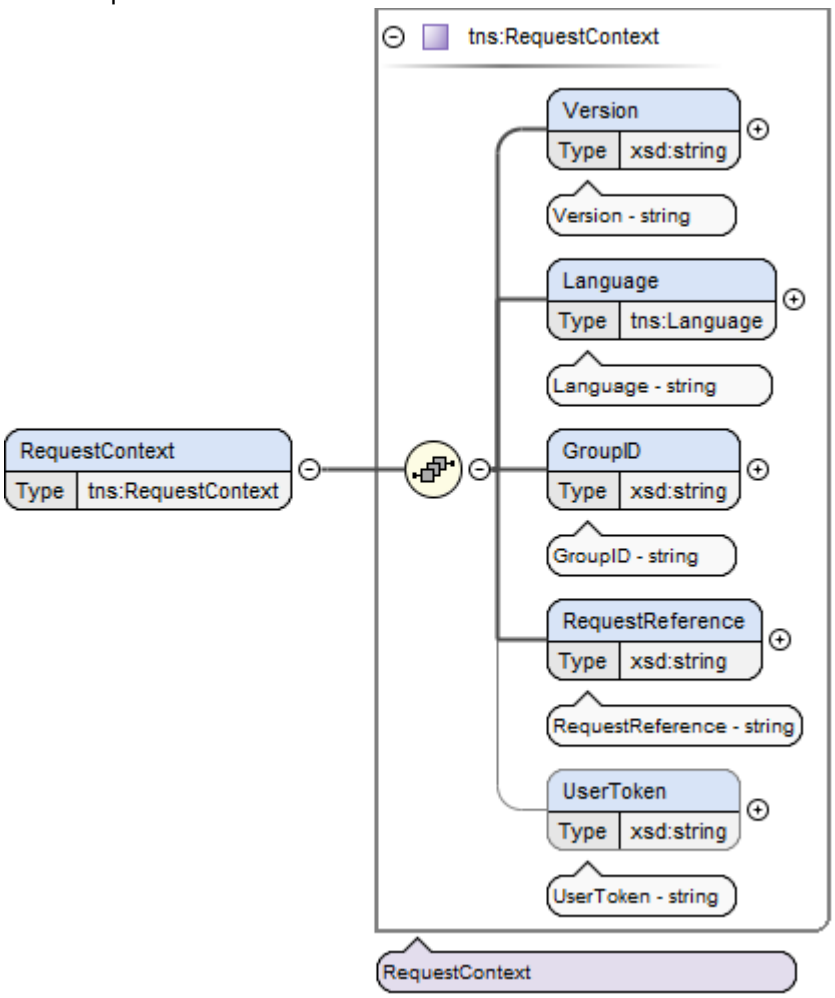
### 2.4.4 GetLocationsByPointOfInterest

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.

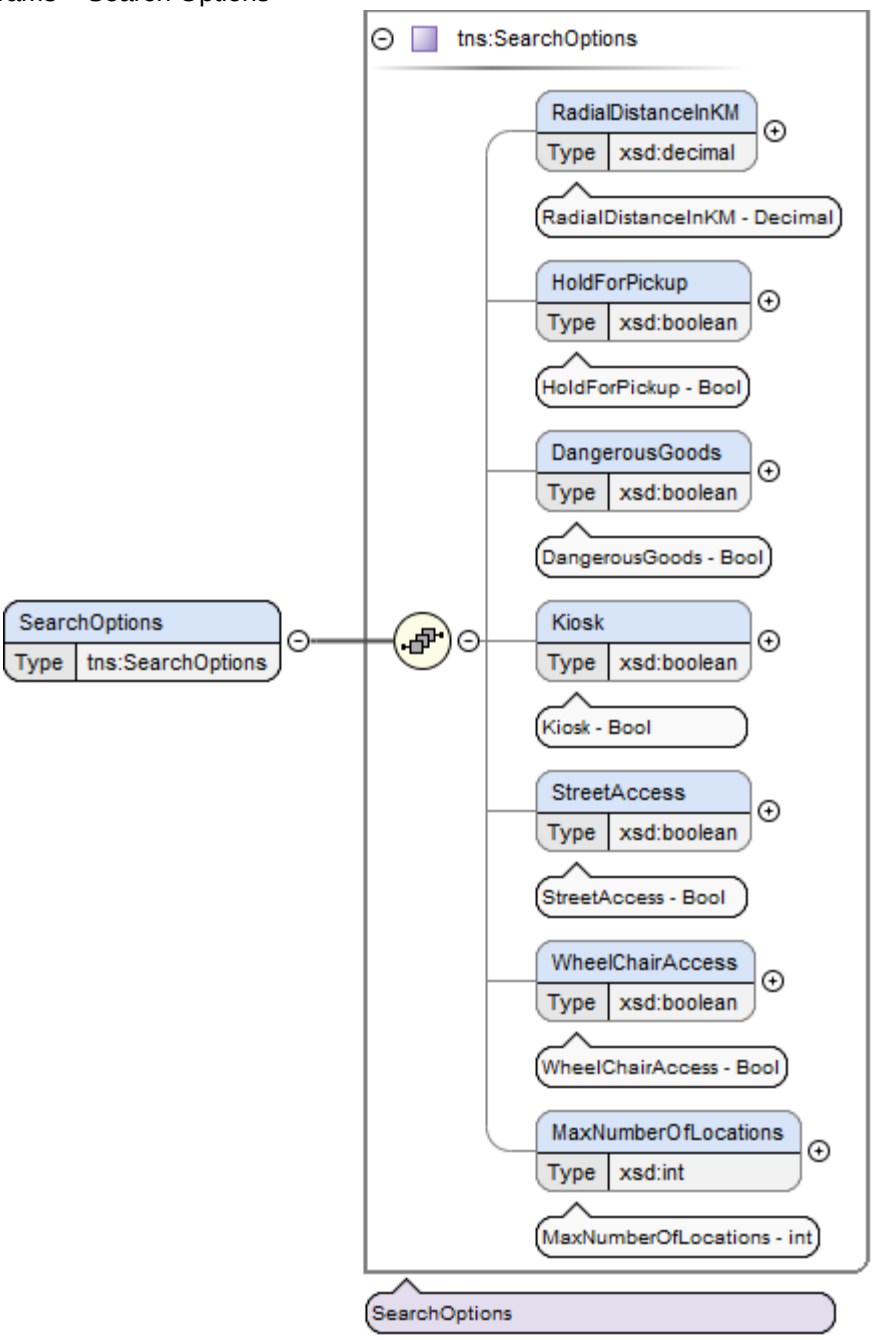
#### 2.4.4.1 Request Diagrams – GetLocationsByPointOfInterest Request



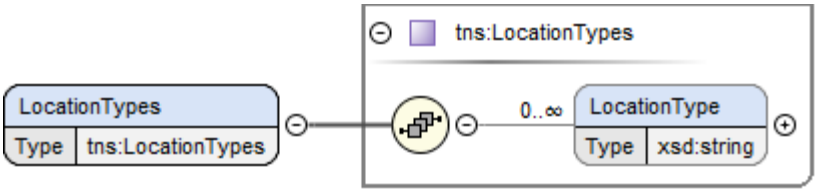
### 2.4.4.2 Request Diagrams – Request Context



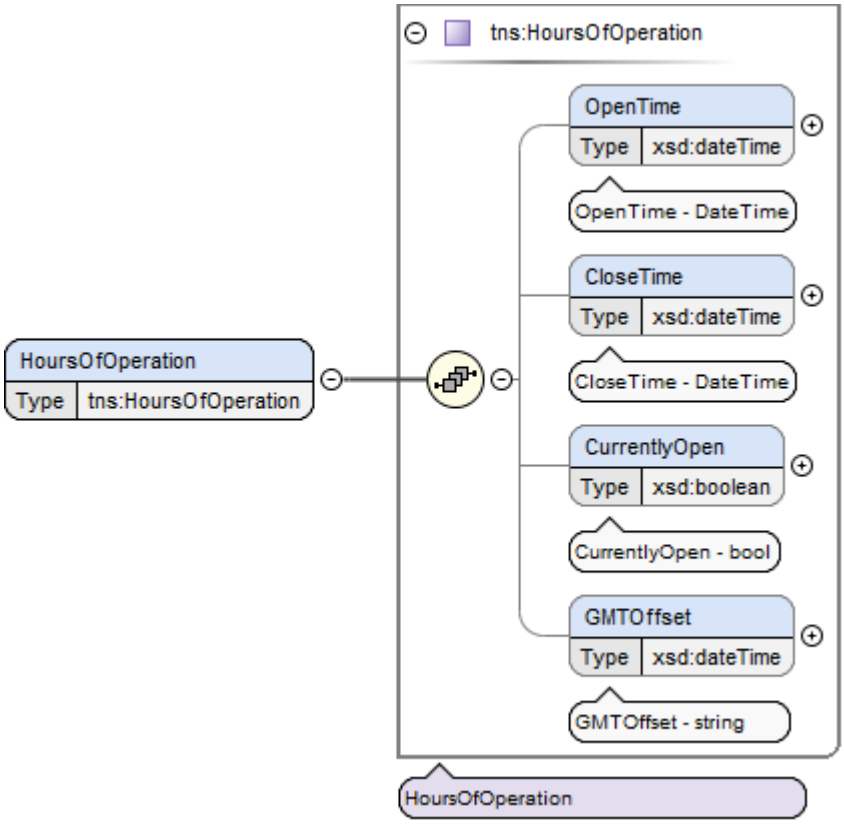
### 2.4.4.3 Request Diagrams – Search Options



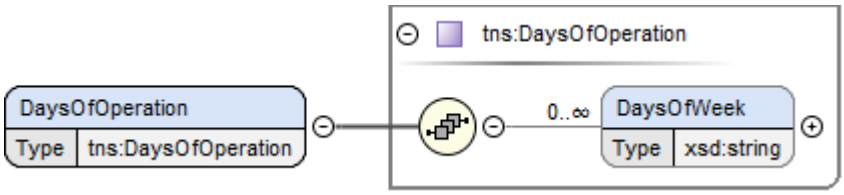

### 2.4.4.4 Request Diagrams – LocationTypes



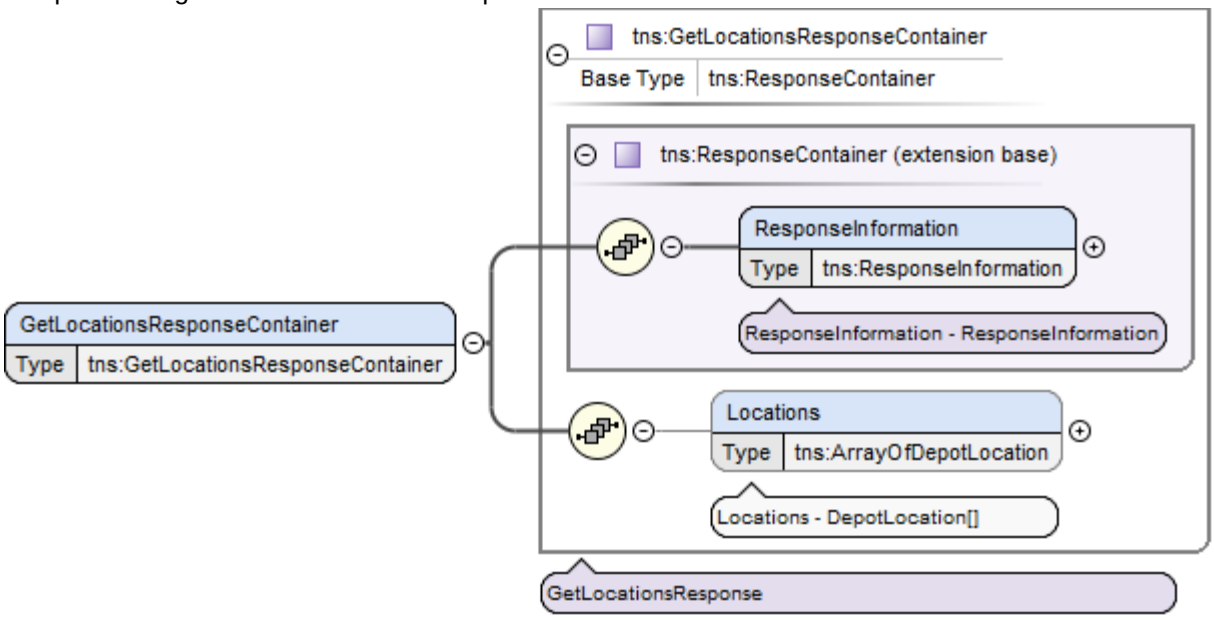
### 2.4.4.5 Request Diagrams – HoursOfOperation



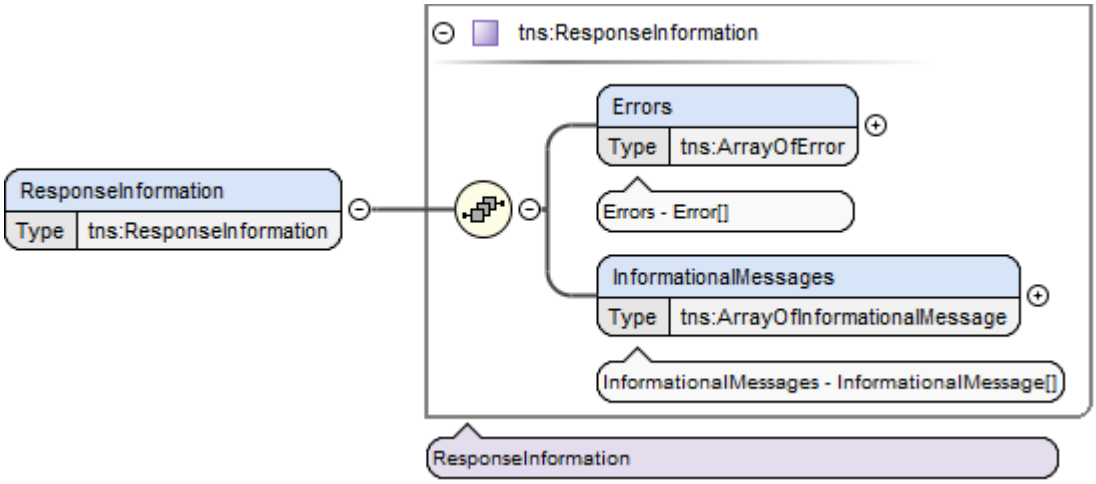

### 2.4.4.6 Request Diagrams – DaysOfOperation



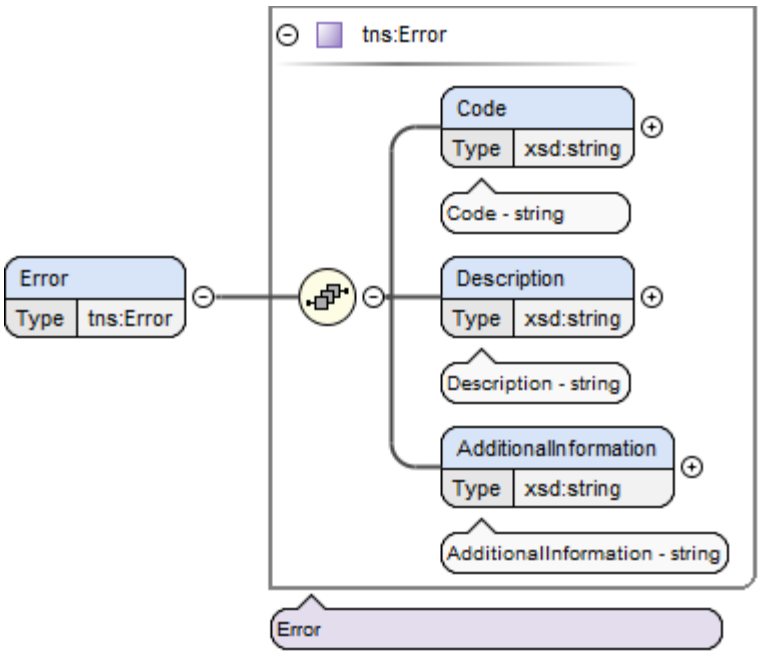
### 2.4.4.7 Response Diagrams – GetLocationsResponse



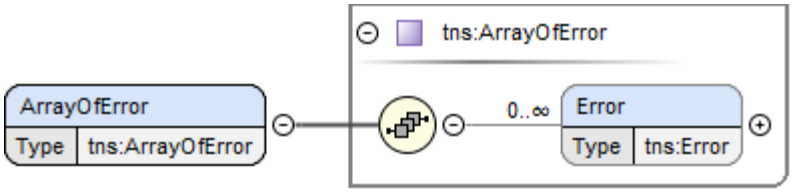

### 2.4.4.8 Response Diagrams – Response Information



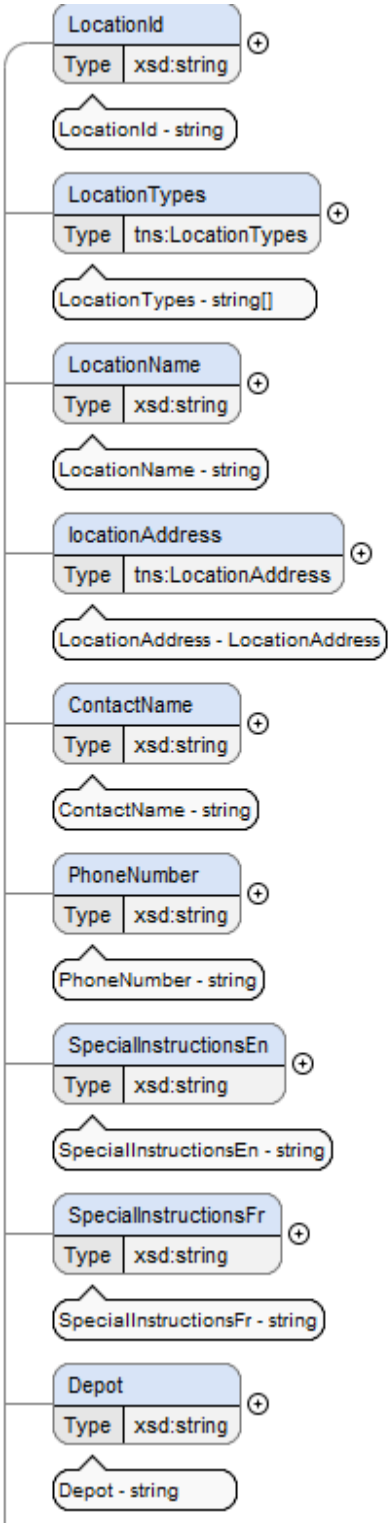
#### 2.4.4.9 Response Diagrams – Error

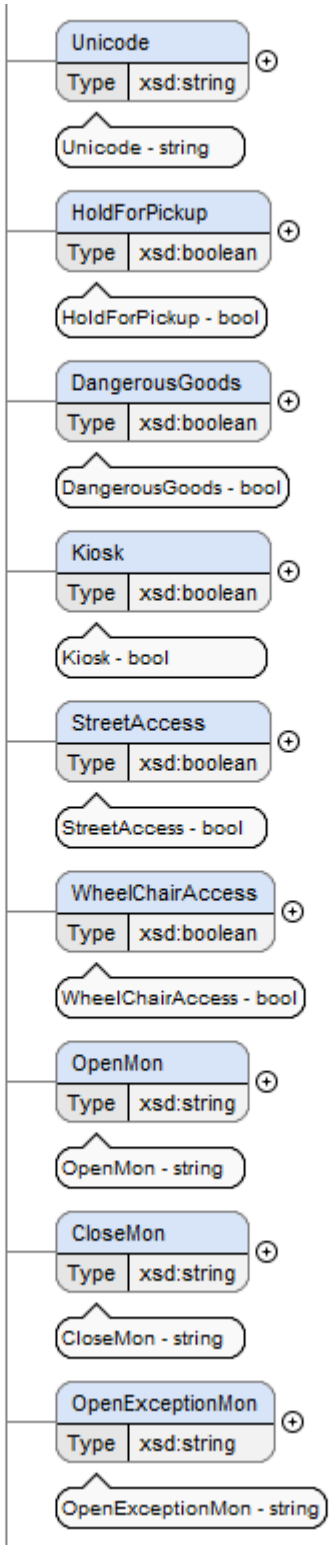



#### 2.4.4.10 Response Diagrams – ArrayOfError



2.4.4.11 Response Diagrams – Depot Locations




Unicode
Type xsd:string
Unicode - string
HoldForPickup
Type xsd:boolean
HoldForPickup - bool
DangerousGoods
Type xsd:boolean
DangerousGoods - bool
Kiosk
Type xsd:boolean
Kiosk - bool
StreetAccess
Type xsd:boolean
StreetAccess - bool
WheelChairAccess
Type xsd:boolean
WheelChairAccess - bool
OpenMon
Type xsd:string
OpenMon - string
CloseMon
Type xsd:string
CloseMon - string
OpenExceptionMon
Type xsd:string
OpenExceptionMon - string


DepotLocation
DepotLocation
CloseExceptionMon
Type xsd:string
CloseExceptionMon - string
OpenTue
Type xsd:string
OpenTue - string
CloseTue
Type xsd:string
CloseTue - string
OpenExceptionTue
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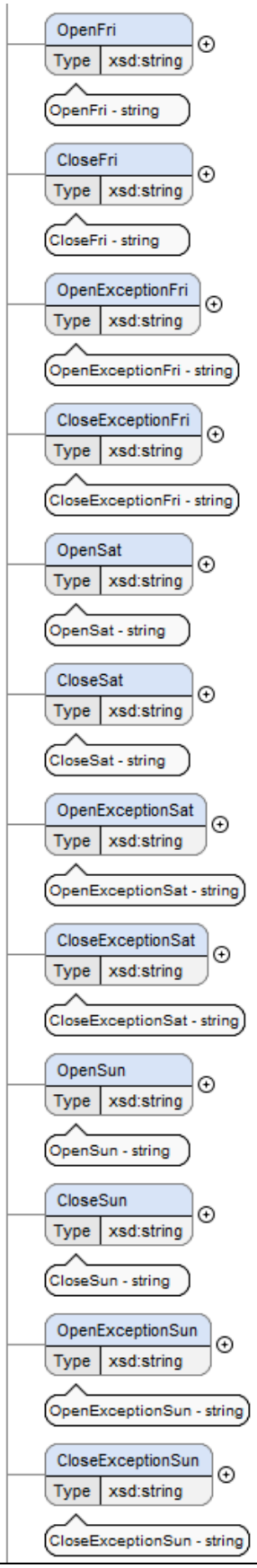
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OpenFri - string
CloseFri
Type xsd:string
CloseFri - string
OpenExceptionFri
Type xsd:string
OpenExceptionFri - string
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Type xsd:string
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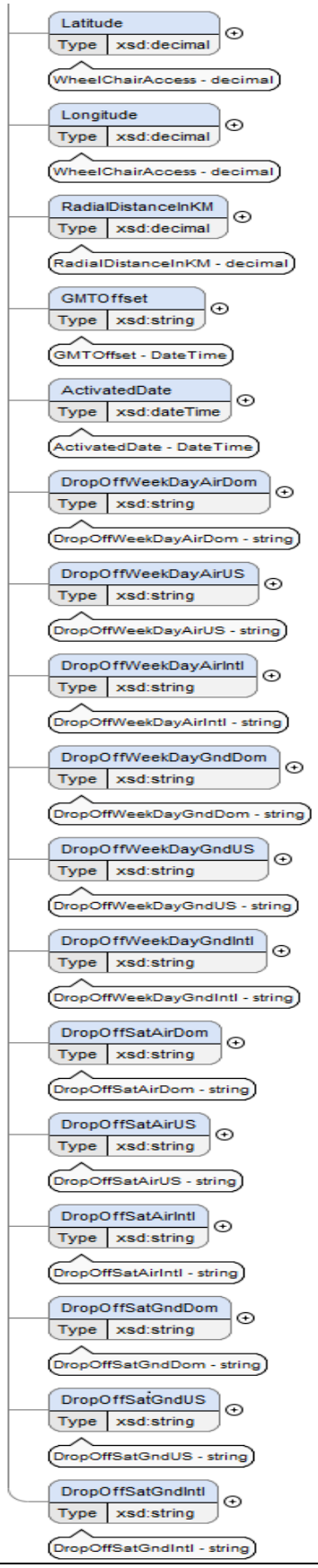
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Type xsd:decimal
WheelChairAccess - decimal
Longitude
Type xsd:decimal
WheelChairAccess - decimal
RadialDistanceInKM
Type xsd:decimal
RadialDistanceInKM - decimal
GMTOffset
Type xsd:string
GMTOffset - DateTime
ActivatedDate
Type xsd:dateTime
ActivatedDate - DateTime
DropOffWeekDayAirDom
Type xsd:string
DropOffWeekDayAirDom - string
DropOffWeekDayAirUS
Type xsd:string
DropOffWeekDayAirUS - string
DropOffWeekDayAirIntl
Type xsd:string
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Type xsd:string
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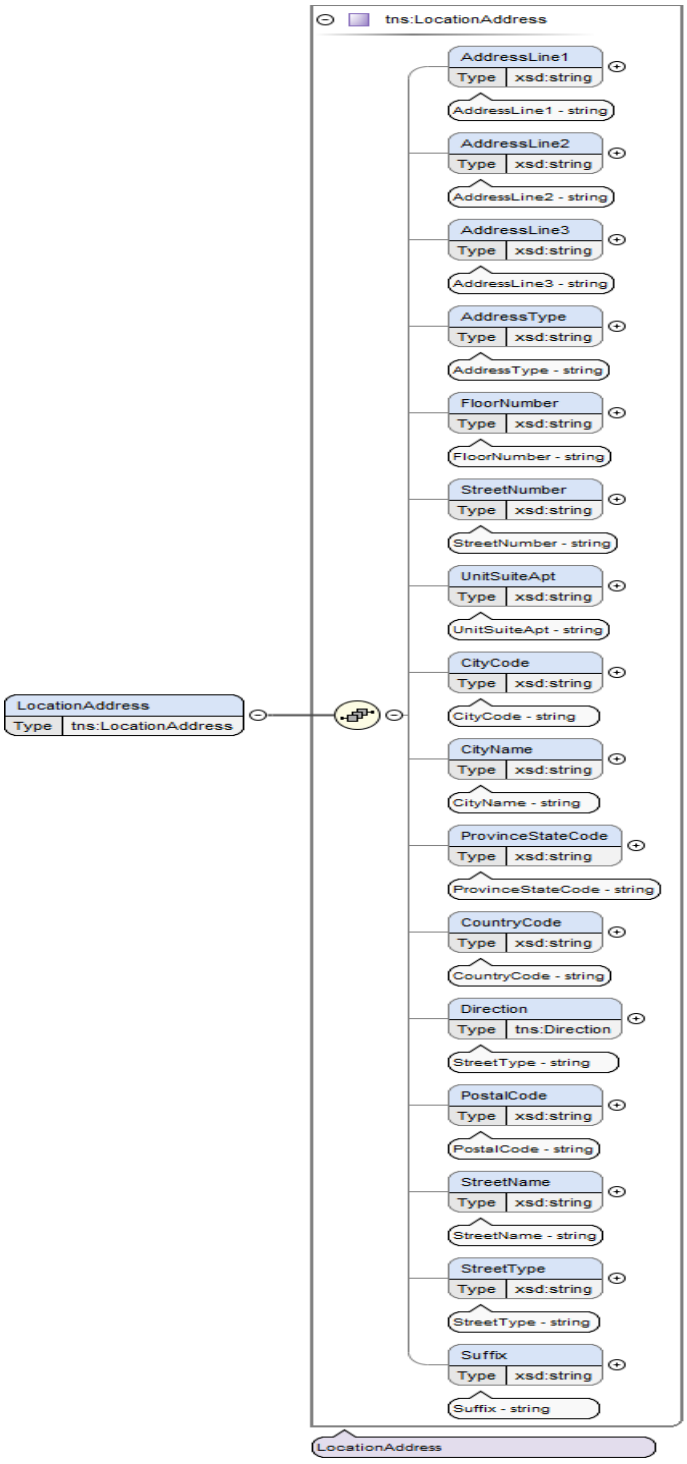
DropOffWeekDayGndUS
Type xsd:string
DropOffWeekDayGndUS - string
DropOffWeekDayGndIntl
Type xsd:string
DropOffWeekDayGndIntl - string
DropOffSatAirDom
Type xsd:string
DropOffSatAirDom - string
DropOffSatAirUS
Type xsd:string
DropOffSatAirUS - string
DropOffSatAirIntl
Type xsd:string
DropOffSatAirIntl - string
DropOffSatGndDom
Type xsd:string
DropOffSatGndDom - string
DropOffSatGndUS
Type xsd:string
DropOffSatGndUS - string
DropOffSatGndIntl
Type xsd:string
DropOffSatGndIntl - string

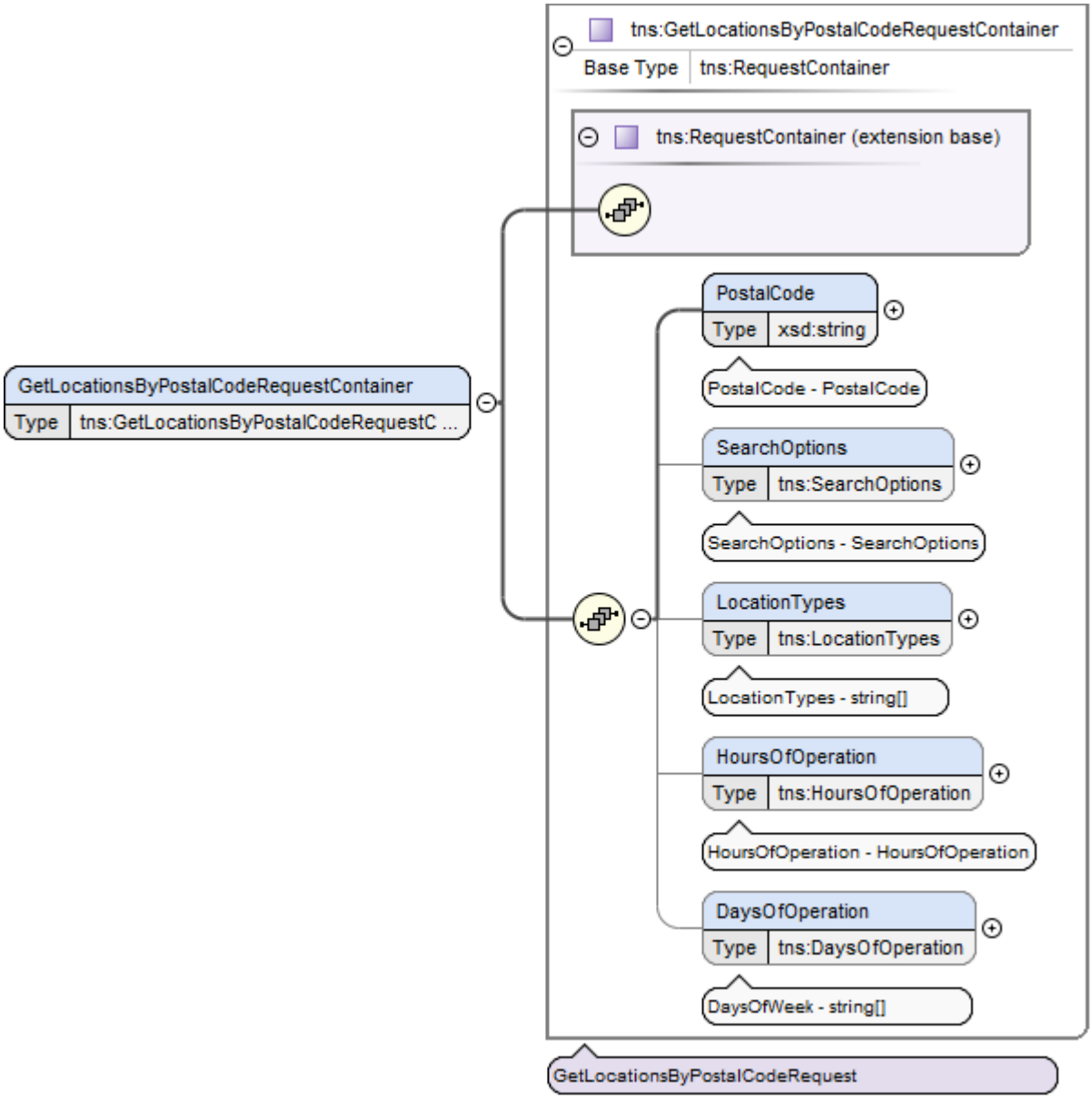
### 2.4.4.12 Response Diagrams – LocationAddress



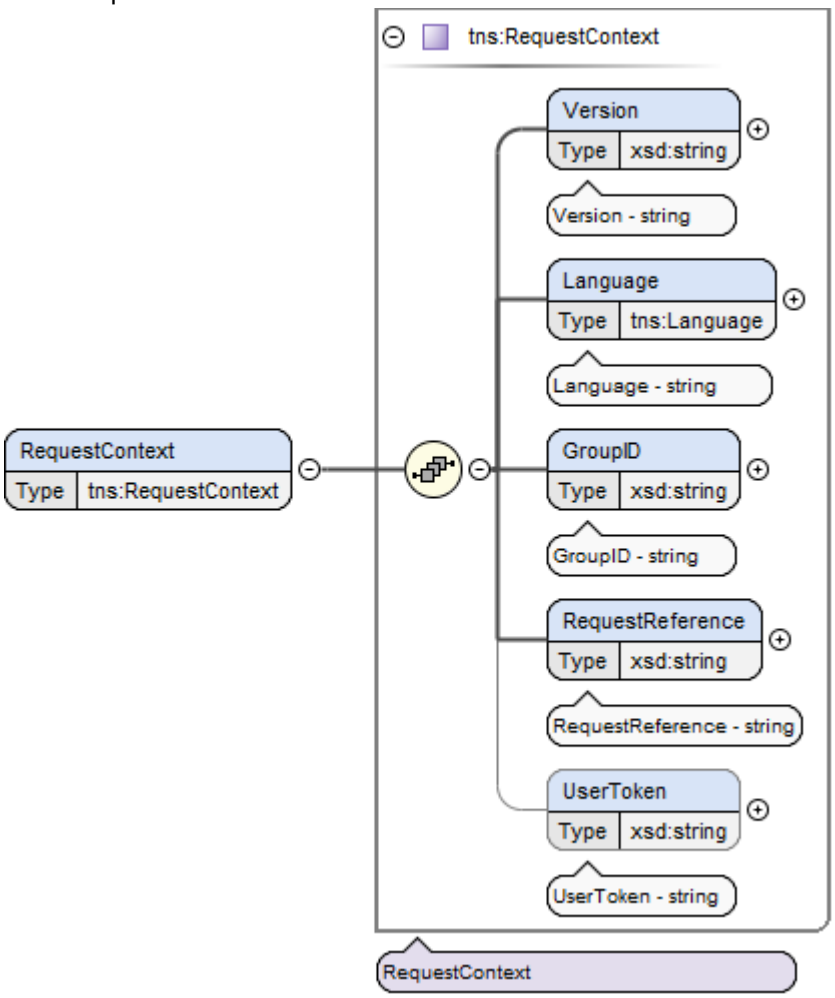
### 2.4.5 GetLocationsByPostalCode

The GetLocationsByPostalCode method is used to get the location of the shipments by providing the shipment postal code using Purolator EShip Web Services. The diagrams below show the objects contained within the location request.

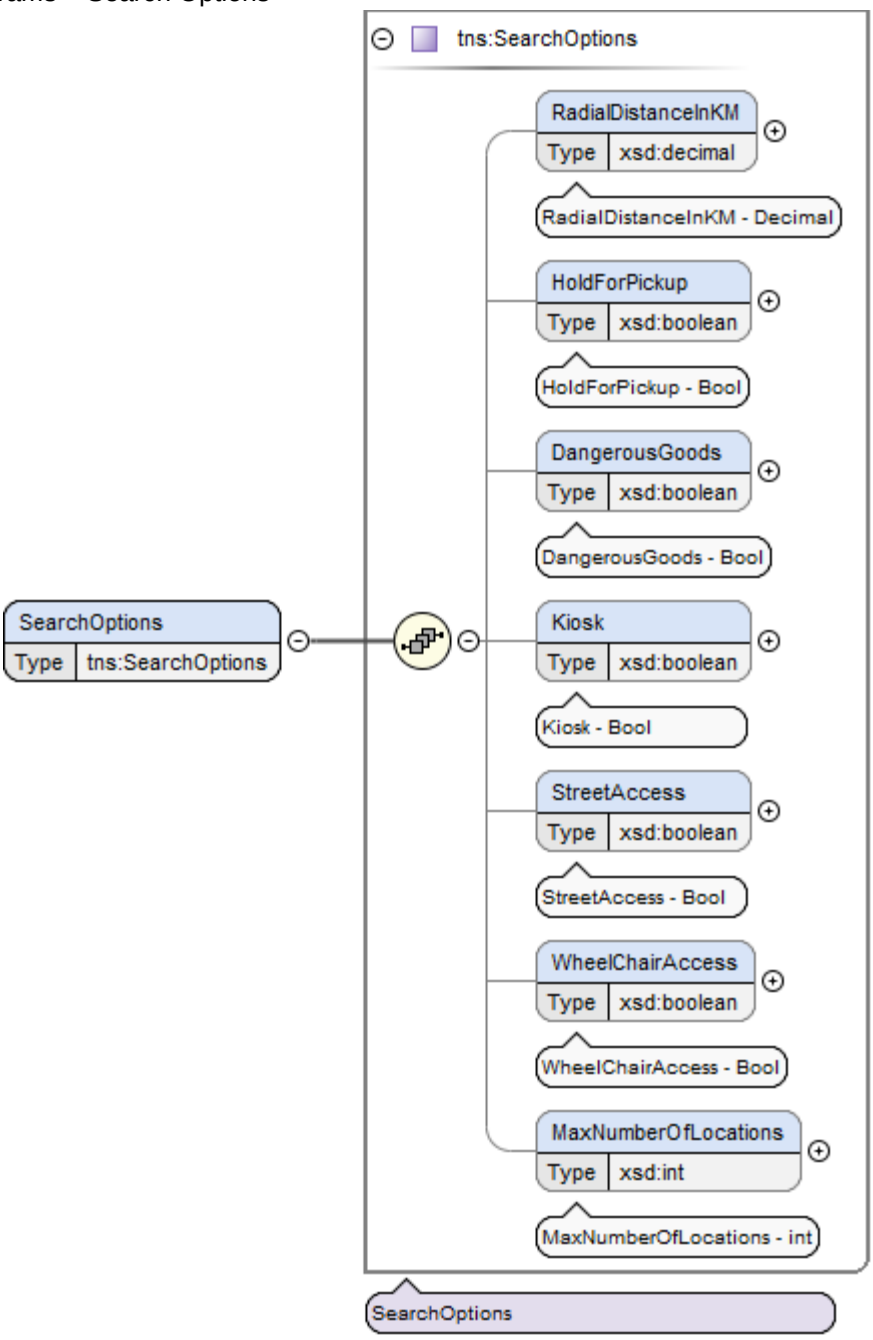
#### 2.4.5.1 Request Diagrams – GetLocationsByPostalCode Request



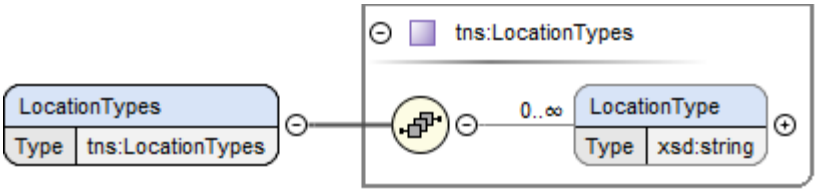
### 2.4.5.2 Request Diagrams – Request Context



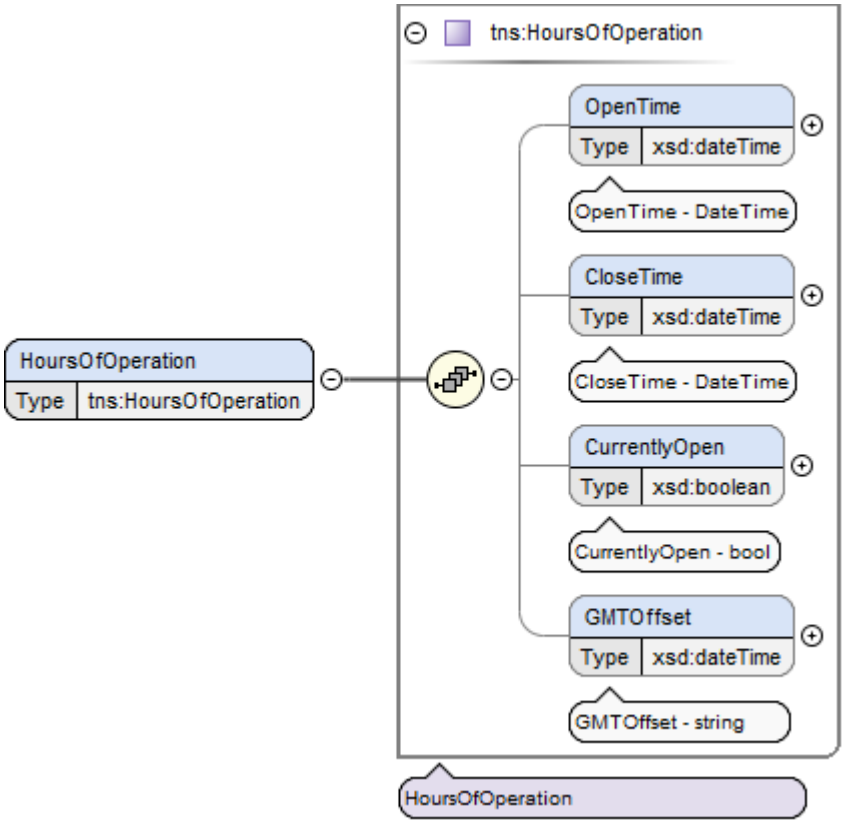
### 2.4.5.3 Request Diagrams – Search Options



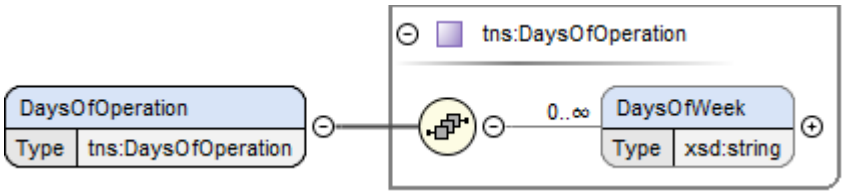

### 2.4.5.4 Request Diagrams – LocationTypes



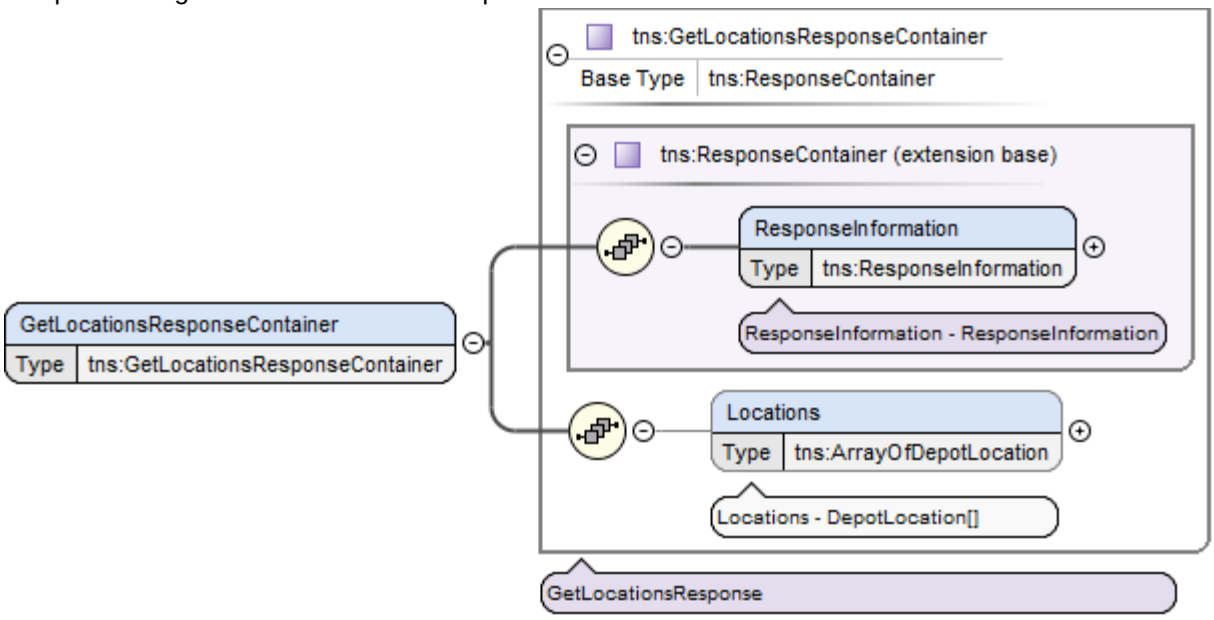
### 2.4.5.5 Request Diagrams – HoursOfOperation



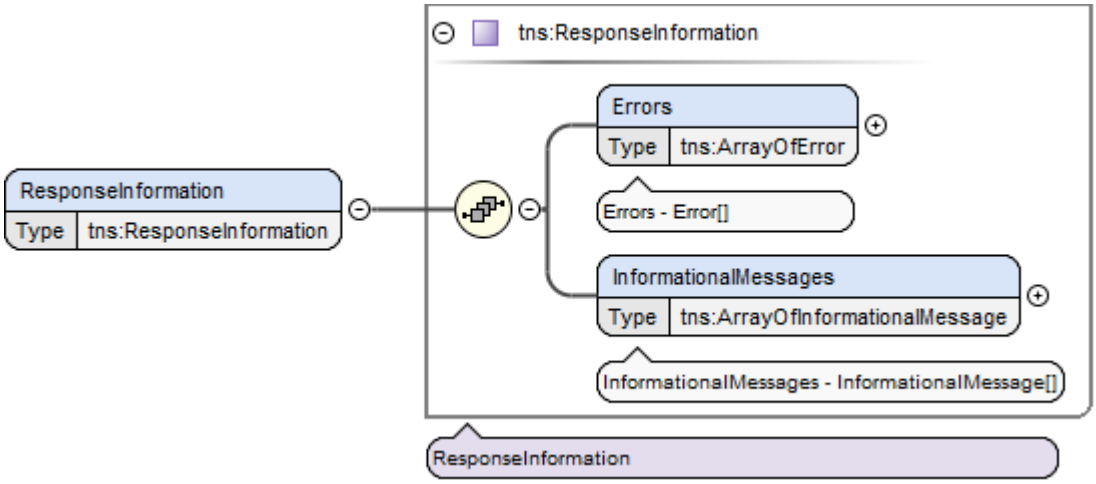

### 2.4.5.6 Request Diagrams – DaysOfOperation



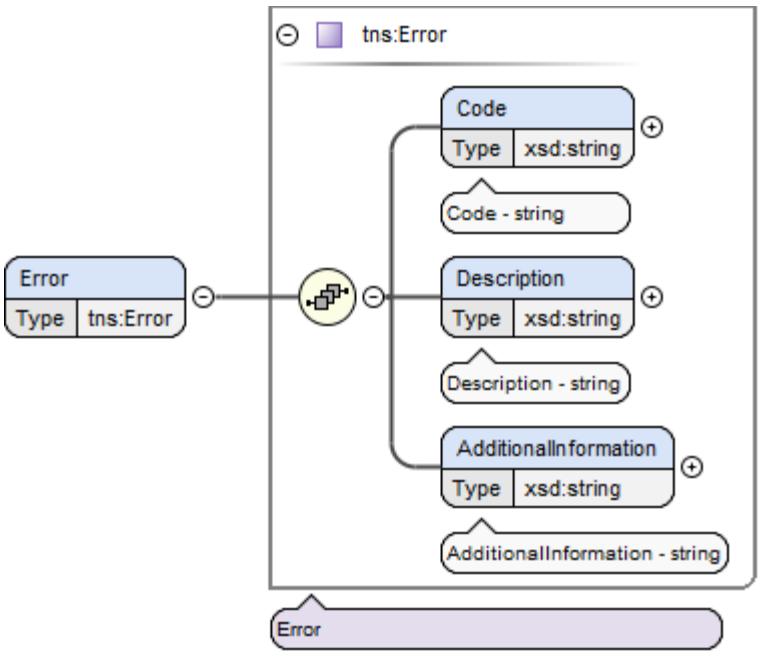
### 2.4.5.7 Response Diagrams – GetLocationsResponse



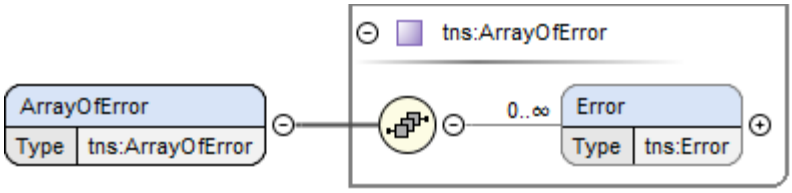

### 2.4.5.8 Response Diagrams – Response Information



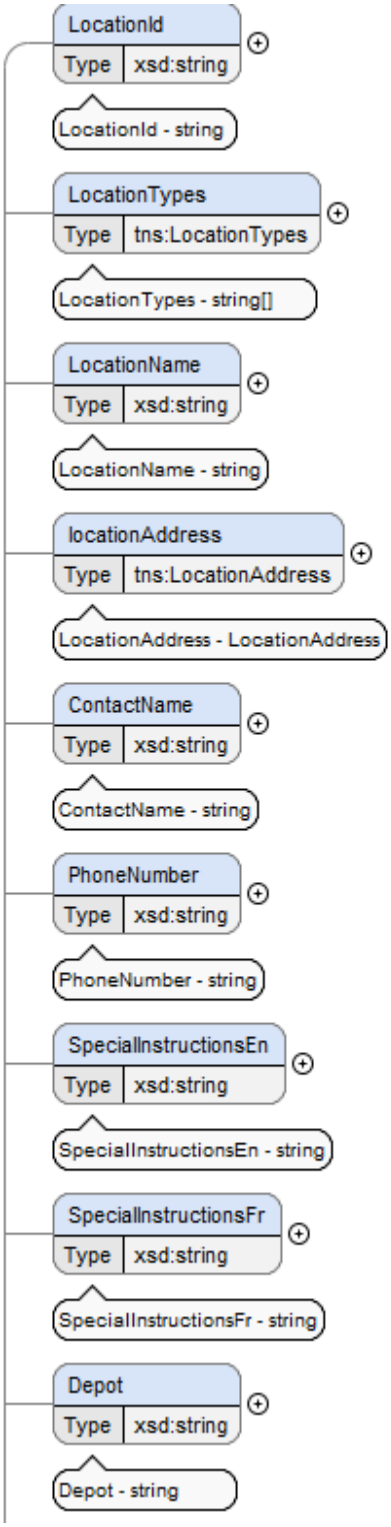
2.4.5.9 Response Diagrams – Error

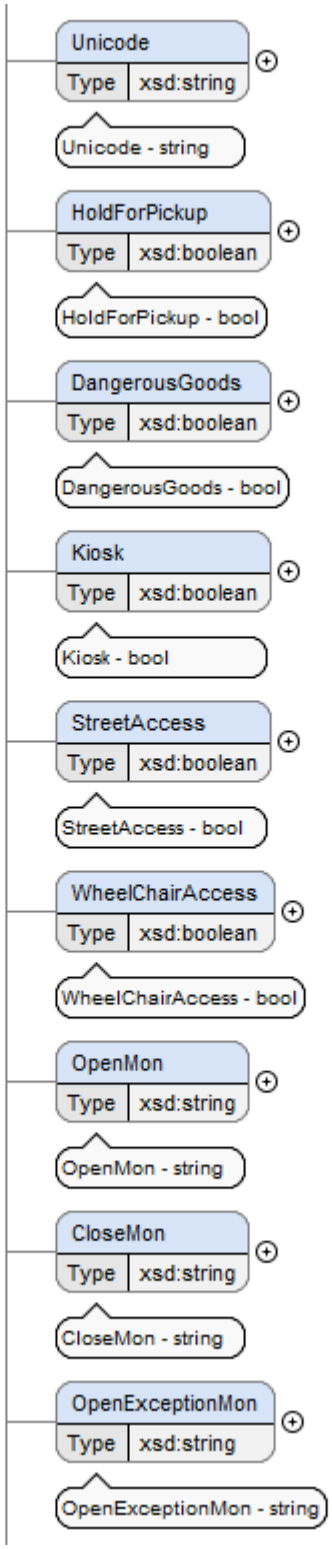



2.4.5.10 Response Diagrams – ArrayOfError

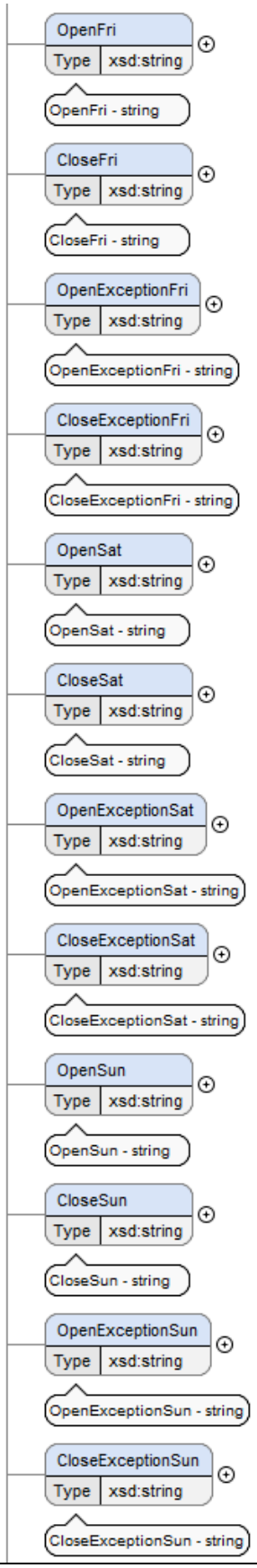


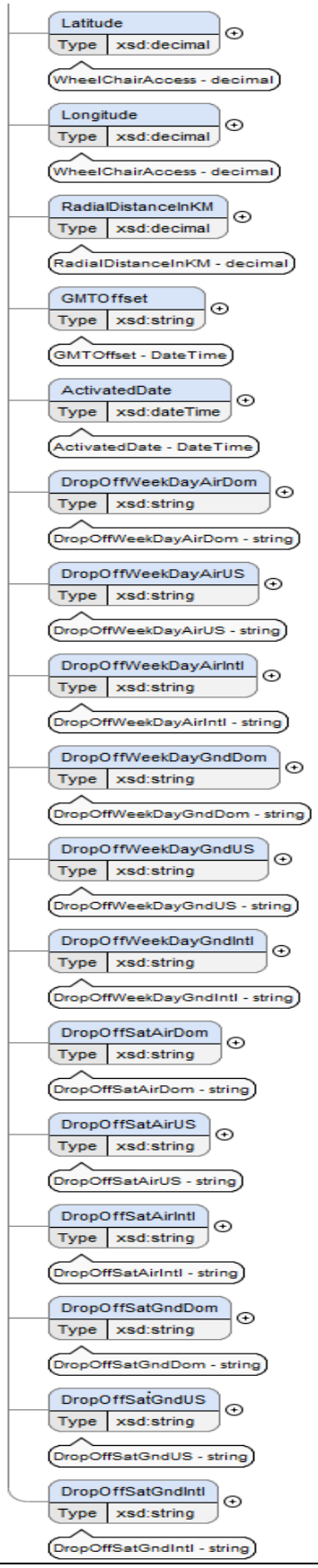
### 2.4.5.11 Response Diagrams – Depot Locations



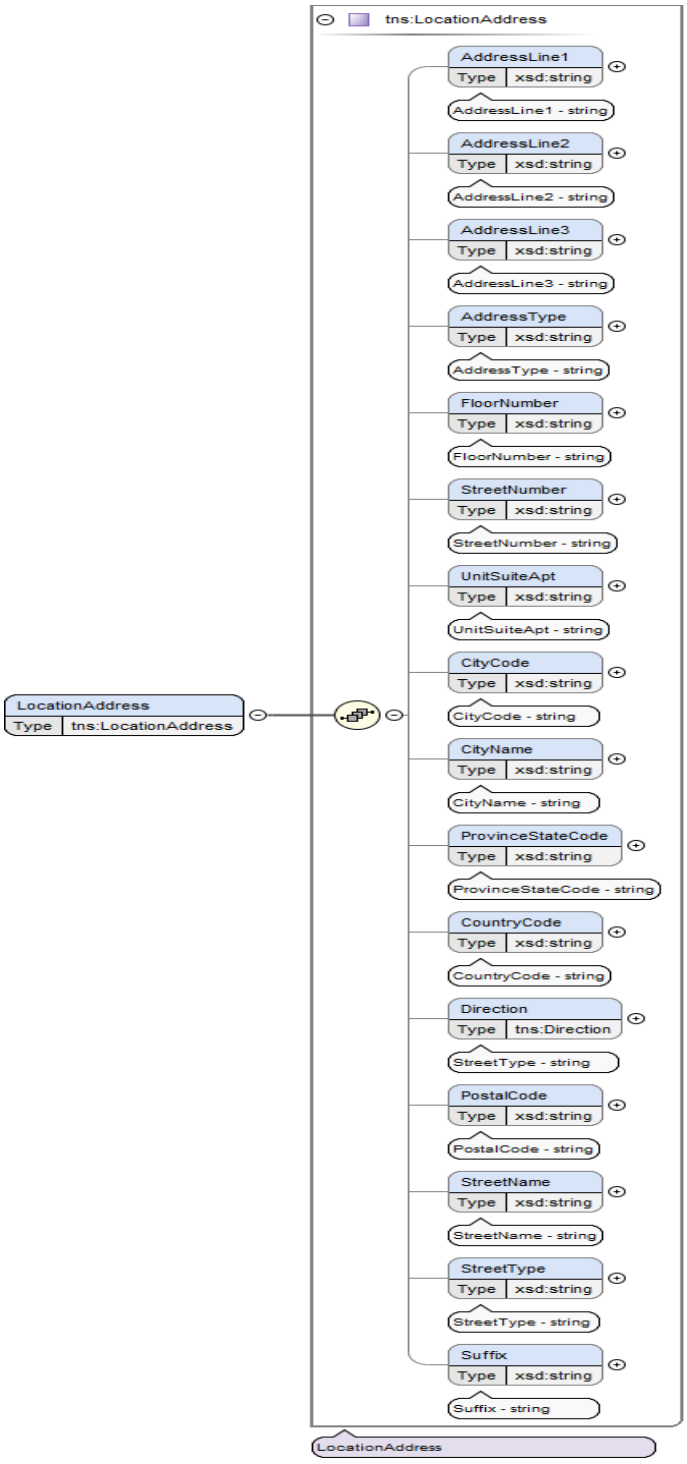

Unicode
Type xsd:string
Unicode - string
HoldForPickup
Type xsd:boolean
HoldForPickup - bool
DangerousGoods
Type xsd:boolean
DangerousGoods - bool
Kiosk
Type xsd:boolean
Kiosk - bool
StreetAccess
Type xsd:boolean
StreetAccess - bool
WheelChairAccess
Type xsd:boolean
WheelChairAccess - bool
OpenMon
Type xsd:string
OpenMon - string
CloseMon
Type xsd:string
CloseMon - string
OpenExceptionMon
Type xsd:string
OpenExceptionMon - string


DepotLocation
DepotLocation
CloseExceptionMon
Type xsd:string
CloseExceptionMon - string
OpenTue
Type xsd:string
OpenTue - string
CloseTue
Type xsd:string
CloseTue - string
OpenExceptionTue
Type xsd:string
OpenExceptionTue - string
CloseExceptionTue
Type xsd:string
CloseExceptionTue - string
OpenWed
Type xsd:string
OpenWed - string
CloseWed
Type xsd:string
CloseWed - string
OpenExceptionWed
Type xsd:string
OpenExceptionWed - string
CloseExceptionWed
Type xsd:string
CloseExceptionWed - string
OpenThu
Type xsd:string
OpenThu - string
CloseThu
Type xsd:string
CloseThu - string
OpenExceptionThu
Type xsd:string
OpenExceptionThu - string
CloseExceptionThu
Type xsd:string
CloseExceptionThu - string


OpenFri
Type xsd:string
OpenFri - string
CloseFri
Type xsd:string
CloseFri - string
OpenExceptionFri
Type xsd:string
OpenExceptionFri - string
CloseExceptionFri
Type xsd:string
CloseExceptionFri - string
OpenSat
Type xsd:string
OpenSat - string
CloseSat
Type xsd:string
CloseSat - string
OpenExceptionSat
Type xsd:string
OpenExceptionSat - string
CloseExceptionSat
Type xsd:string
CloseExceptionSat - string
OpenSun
Type xsd:string
OpenSun - string
CloseSun
Type xsd:string
CloseSun - string
OpenExceptionSun
Type xsd:string
OpenExceptionSun - string
CloseExceptionSun
Type xsd:string
CloseExceptionSun - string


Latitude
Type xsd:decimal
WheelChairAccess - decimal
Longitude
Type xsd:decimal
WheelChairAccess - decimal
RadialDistanceInKM
Type xsd:decimal
RadialDistanceInKM - decimal
GMTOffset
Type xsd:string
GMTOffset - DateTime
ActivatedDate
Type xsd:dateTime
ActivatedDate - DateTime
DropOffWeekDayAirDom
Type xsd:string
DropOffWeekDayAirDom - string
DropOffWeekDayAirUS
Type xsd:string
DropOffWeekDayAirUS - string
DropOffWeekDayAirIntl
Type xsd:string
DropOffWeekDayAirIntl - string
DropOffWeekDayGndDom
Type xsd:string
DropOffWeekDayGndDom - string
DropOffWeekDayGndUS
Type xsd:string
DropOffWeekDayGndUS - string
DropOffWeekDayGndIntl
Type xsd:string
DropOffWeekDayGndIntl - string
DropOffSatAirDom
Type xsd:string
DropOffSatAirDom - string
DropOffSatAirUS
Type xsd:string
DropOffSatAirUS - string
DropOffSatAirIntl
Type xsd:string
DropOffSatAirIntl - string
DropOffSatGndDom
Type xsd:string
DropOffSatGndDom - string
DropOffSatGndUS
Type xsd:string
DropOffSatGndUS - string
DropOffSatGndIntl
Type xsd:string
DropOffSatGndIntl - string

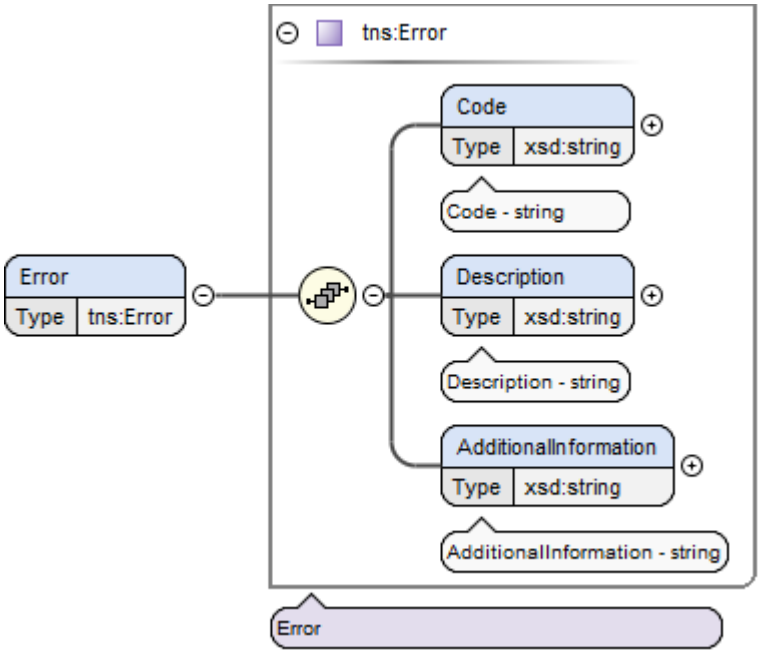
### 2.4.5.12 Response Diagrams – LocationAddress



## 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.



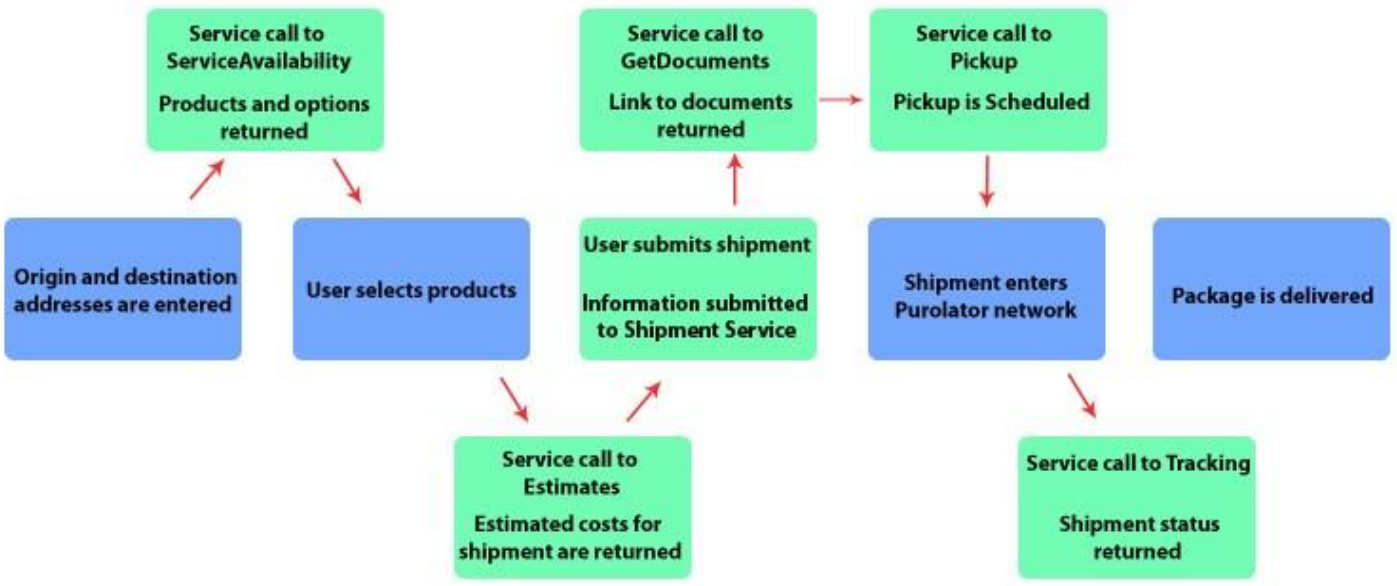
## 2.6 Implementation Considerations

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

Below is a list of all the error codes and descriptions.

**Web Service Error**

| Code | Message |
|---|---|
| 3002014 | Address is required |
| 3002015 | Latitude is required |
| 3002016 | Longitude is required |
| 3002017 | City is required |
| 3002018 | Country code is required |
| 3002019 | Province code is required |

| | |
|---|---|
| 3002021 | PointOfInterest is required |
| 3002022 | Postal code is required |
| 3002032 | Invalid LocationType 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 |

**APPENDIX A – 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 : GetLocationsByAddressRequestContainer** | **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 : GetLocationsByCoordinates RequestContainer** | **Used by: Locator Service** | |
| **GetLocationsByCoordinates Request** | Coordinate information for the shipment | |
| **ComplexType GetLocationByCoordinatesRequest** | **Used by: GetLocationByCoordinatesRequestContaine** | |
| **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<br>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 DepotLocation/GetLocationsResponse** | Used by 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 |
| | Exception friday open time information | DateTime |

| | | |
|---|---|---|
| **OpenExceptionFri** | Exception Friday close time information | DateTime |
| **CloseExceptionFri** | Open saturday time information | DateTime |
| **OpenSat** | Close saturday time information | DateTime |
| **CloseSat** | Exception saturday open time information | DateTime |
| **OpenExceptionSat** | Exception saturday close time information | DateTime |
| **CloseExceptionSat** | Open sunday time information | DateTime |
| **OpenSun** | Close sunday time information | DateTime |
| **CloseSun** | Exception sunday open time information | DateTime |
| **OpenExceptionSun** | Exception sunday close time information | DateTime |
| **CloseExceptionSun** | Latitude information | Decimal |
| **Latitude** | Longitude information | Decimal |
| **Longitude** | Radial distance in KM for the shipment | Integer |
| **RadialDistanceInKM** | GMT offset information | Integer |
| **GMTOffset** | Activated date information | DateTime |
| **ActivatedDate** | Drop off weekday information for air domestic | DateTime |
| **DropOffWeekDayAirDom** | Drop off weekday information for air US | DateTime |
| **DropOffWeekDayAirUS** | Drop off weekday information for air international | DateTime |
| **DropOffWeekDayAirIntl** | Drop off weekday information for ground domestic | DateTime |
| **DropOffWeekDayGndDom** | Drop off weekday information for ground US | DateTime |
| **DropOffWeekDayGndUS** | Drop off weekday information for ground international | DateTime |
| **DropOffWeekDayGndIntl** | Drop off saturday information for air domestic | DateTime |
| **DropOffSatAirDom** | Drop off saturday information for air US | DateTime |
| **DropOffSatAirUS** | Drop off saturday information for air international | DateTime |
| **DropOffSatAirIntl** | Drop off saturday information for ground domestic | DateTime |
| **DropOffSatGndDom** | Drop off saturday information for ground US | DateTime |
| **DropOffSatGndUS** | Drop off saturday information for ground international | DateTime |

| | | |
|---|---|---|
| **DropOffSatGndIntl**<br><br>**PointOfInterest** | Point of interest information | Integer |
| **Element**<br>**ResponseInformation** | **Used by:**<br>**ResponseInformation** | |
| ResponseReference | | |
| **Errors** | Array of errors | **Complex Type** ArrayOfError |
| **InformationalMessages** | Additional Information Messages regarding the response. | **Complex Type:**ArrayOfInformationalMessages |
| **ComplexType**<br>**ArrayOfError** | **Used by:**<br>**ArrayOfError, ResponseInformation/Errors** | |
| **Error** | Error information returned by the service call. | **Complex Type** Error |
| **ComplexType**<br>**Error** | **Used by:**<br>**Error, ArrayOfError/Error** | |
| Code | Error Code | String. Alpha Numeric. |
| Description | Error Description | String. Alpha Numeric. |
| AdditionalInformation | Additional error information | String. Alpha Numeric. |
| **ComplexType**<br>**ArrayOfInformationalMessage** | **Used by:**<br>**ArrayOfInformationalMessage, ResponseInformation/InformationalMessages** | |
| InformationalMessage | An array of Informational Messages as part of a response to a service | Array of Strings request |

| | | |
|---|---|---|
| **ComplexType**<br>**LocationAddress** | **Used by:**<br>**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 |

**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 | New Jersey |

**Piece level Characteristics**

| Characteristic Value (ID field) | Allowed Value (Value field) |
|---|---|
| SpecialHandling | Enumeration:<br>true false |

**Shipment level Characteristic**

| Characteristic Value (ID field) | Allowed Value (Value field) |
|---|---|
| SpecialHandling | Enumeration:<br>TRUE<br>FALSE |
| DangerousGoods | Enumeration:<br>TRUE<br>FALSE |
| DangerousGoodsClass<br>(required if sending Dangerous Goods) | Enumeration:<br>FullyRegulated<br>UN3373<br>UN1845<br>LessThan500kgExempt<br>LimitedQuantities |
| DangerousGoodsMode<br>(required if sending Dangerous Goods) | Enumeration:<br>Air<br>Ground |
| DeclaredValue | String<br>Numeric xxxxx.xx |
| ChainOfSignature | Enumeration:<br>TRUE<br>FALSE |
| SaturdayPickup | Enumeration:<br>TRUE<br>FALSE |
| SaturdayDelivery | Enumeration:<br>TRUE<br>FALSE |
| ExpressCheque | Enumeration:<br>TRUE<br>FALSE |

| | |
|---|---|
| HoldForPickup | Enumeration:<br>TRUE<br>FALSE |
| ExpressChequeMethodOfPayment | Enumeration:<br>Cheque<br>PostDatedCheque<br>CertifiedCheque<br>MoneyOrder<br>BankDraft |
| ExpressChequeAmount | String<br>Numeric xxxxx.xx |
| OriginSignatureNotRequired | Enumeration:<br>TRUE<br>FALSE |
| ResidentialSignatureDomestic | Enumeration:<br>TRUE<br>FALSE |
| ResidentialSignatureIntl | Enumeration:<br>TRUE<br>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 |
| | PurolatorExpressEnvelope12PM |
| | PurolatorExpressPack12PM |
| | PurolatorExpressBox12PM |

**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 | |

**Street Type**

| | | | |
|---|---|---|---|
| Abbey | End | Montéé | 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 |
| CK | Cook Islands | LK | Sri Lanka | TH | Thailand |
| **Country Code** | **Country Description** | **Country Code** | **Country Description** | **Country Code** | **Country Description** |
| 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 |

**Street Direction**

| | |
|---|---|
| E | S |
| N | SE |
| NE | SO |
| NO | SW |
| NW | W |
| O | |