NEW IN CANSHIP WS:

-New charge value: Carbon Surcharge **carbon_surcharge** returned in rateShipment, processShipment operations

-**Signature** element introduced for processShipment and rateShipment operations

-**schedulePickupV2** replaces schedulePickup as an enhancement

-Delivery Photo images now available in all tracking operations in response element **image_url**

-Signature image has a secondary element **signature_url** as an alternative to Base 64 signature element for all tracking operations

LEGAL:

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INTRODUCTION

Canpar Express Web Services (Canship) is an API that allows developers to apply Canpar Express architecture in an integrated environment. From shopping carts to supply chain, Canship delivers the needed results quickly and simply.

XML STANDARDS:

SOAP version 1.2 support. For more information on the SOAP protocol, visit the following link: http://www.w3.org/TR/soap/
REST support is also available. Contact the Canpar Servicedesk for more information on REST protocols or examples.

SANDBOX CREDENTIALS:

Contact servicedesk@canpar.com for Sandbox Credentials.

SUPPORT:

Support can be requested by emailing **Servicedesk@canpar.com** & providing the following information:

Name:
Company Name:
Canpar Express Account Number: (if applicable)
Email Address:
Telephone Number:
Intent of use *(Example: Shopping Cart on Website, Warehouse Shipping Integration, etc)*

SECURITY AUTHENTICATION:

CANPAR EXPRESS uses mutual authentication requiring both server-side and client-side authentication, in addition to Secure Socket Layer (SSL). CANPAR EXPRESS requires the secure implementation of Web Services, i.e. data transferred must be safe from interception, tampering and unauthorized access.

TESTING & CERTIFICATION:

Upon completion of Web Services development, contact the Canpar Express **Service Desk** to obtain test cases if applicable. Test cases are provided to validate communication with Canship, & the values produced to the end-user interface. When testing is complete, the following must be provided to ServiceDesk:

HARDCOPY:
Label Samples from a production printer or a model comparable to a production printer.
The print method (PNG, TPCL or ZPL) to be determined by Servicedesk and Client
Manifest containing all the test cases.

VIRTUAL: (emailed to a ServiceDesk contact)

PNG files of Label Samples
TXT files containing ZPL code for Label Samples
PDF copy of Manifest
Test Case Document

Within five (5) business days, you will receive a response from a ServiceDesk contact providing a letter of confirmation containing live credentials and URL(s). If there are issues with label scanning or other inconsistencies from the test results, the ServiceDesk contact will provide feedback on the errors. In this scenario, the developer will rerun any test cases or provide additional physical materials until satisfactory results are achieved.

NOTE: All shipment labels in Sandbox have an identifier that says "**TEST SHIPMENT DO NOT PICKUP**" as a safeguard to prevent test shipments entering the Canpar Express network. This identifier is not present in production.

INTRODUCTION

SAMPLE REQUESTS AND RESPONSES:

The requests and responses are modified in this document. Element names have been omitted or renamed (such as NS1 tags) for limited document space. Operations in this guide have companion XML request & response files that are identically named to the operations in this document. Contact Canpar Express Service Desk to obtain these files if they were not provided with this development guide.

NOTE: The User ID, Password and Shipper number must be replaced in the Sample requests with the credentials supplied by ServiceDesk. Otherwise, the sample requests will not work.

REQUEST ELEMENT LEGEND:

The tables in this document describe the elements & their respective properties found in the Request & Response messages.

NOTE: Envelope & body tags have been omitted or modified in this document. Refer to the companion XML files for complete schemas.

ELEMENT OBJECT NAME	DESCRIPTION
1. Element Name	Element's name within the XML document.
2. Type of Element	**T**- Denotes the type of value found in the given element. Below are the codes in this field: **ARR – Array** **STR – String** **INT – Integer** **DTE – Date Time** **BOL – Boolean** **DEC – Decimal**
3. Requirements	**R**- The requirements of a given element. Below are the codes in this field: **Mandatory** **Optional:** If not used, omit the element from the request. **Conditional:** Dependent upon other Elements **Internal** or response use only. Omit the element from the request.
4. Definition	Description of the data element.
5. Valid Values	Required values, if any.

i. OPERATIONS:

Below is the operation **USSBusiness** web service affected b this update. Note: this is a supplemental guide for new charges from Canpar Express. Only affected operations will be described in this document.

OPERATION NAME	DESCRIPTION
1. processShipment	Process a shipment that will provide back a valid Canpar Express shipment number.

ii. ALIAS: **USSBusinessService**

iii. TARGET NAMESPACE: **http://ws.business.canshipws.canpar.com**

iv. SANDBOX URL: **https://sandbox.canpar.com/canshipws/services/CanshipBusinessService?wsdl**

OVERVIEW:

processShipment is used to generate valid Canpar Express shipment numbers. The request schema is in two parts: Shipment level information and Package level information. Both must be present in the request.

1a. REQUEST ELEMENT DEFINITION: SHIPMENT

There are elements in the USSBusiness WSDL file that are either Respons- based or not currently relevant to processShipment. Those elements are not included in the below Element Definition. New element(s) in yellow.

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
password	STR	M	As described	Assigned by Canpar Express
user_id	STR	M	As described	Assigned by Canpar Express
cod_type	STR	C	Cash on Delivery Type	**R** = Regular Cheque **C** = Cash **P** = Post-Dated **S** = Certified **N** = None
collect_shipper_num	STR	O	Collect Account Number	Shipment billed to another account. **Requires Canpar approval**
cos	BOL	O	Chain of Signature Service	**True** = Chain of Signature **False** = No Chain of Signature
dg	BOL	O	Dangerous Goods	**True** = Dangerous Goods **False** = No Dangerous Goods
delivery_address	ARR	M	Delivery address information	
address_id	STR	O	Address Book Record ID	Address Book ID stored in **saveAddressBook**
attention	STR	O	Attention	**Max:** 40 characters
delivery_address_line_1	STR	M	Delivery Address Line 1	**Max:** 40 characters
delivery_address_line_2	STR	O	Delivery Address Line 2	**Max:** 40 characters
delivery_address_line_3	STR	O	Delivery Address Line 3	**Max:** 40 characters
delivery_city	STR	M	Delivery City	**Max:** 40 characters
delivery_country	STR	M	Delivery Country	**ISO 3166** Country Codes. **CA** = Canada
delivery_email	STR	O	Recipient Email Address	Valid Email Address
delivery_extension	STR	O	Delivery Telephone Extension	**Max:** 10 digits
delivery_name	STR	M	Delivery Company Name	**Max:** 40 characters
delivery_phone	STR	M	Delivery Telephone Number	**Max**: 11 digits. **Example:** 9056661212
delivery_postal_code	STR	M	Delivery Postal Code	6 alpha-numeric. **Example**: A1A1A1
delivery_province	STR	M	Delivery Province	Province ISO 3166-2
delivery_residential	BOL	O	Residential Delivery	**TRUE:** Is Residential **FALSE:** Not Residential. **NOTE:** If omitted, Canship will determine Residential charge based on declared postal code and **delivery_name.**
pickup_address	ARR	M	Pickup address information	
address_id	S		Address Book Record ID	Address Book ID stored in **saveAddressBook**
attention	S		Attention	**Max:** 40 characters
pickup_address_line_1	S		Pickup Address Line 1	**Max:** 40 characters
pickup_address_line_2	S		Pickup Address Line 2	**Max:** 40 characters
pickup_address_line_3	S		Pickup Address Line 3	**Max:** 40 characters
pickup_city	S		Pickup City	**Max:** 40 characters
pickup_country	S		Pickup Country	**ISO 3166** Country Codes. **CA** = Canada
pickup_email	S		Shipper Email Address	Valid Email Address
pickup_extension	S		Pickup Telephone Extension	**Max:** 10 digits
pickup_name	S		Pickup Company Name	**Max:** 40 characters
pickup_phone	S		Pickup Telephone Number	**Example**: 9056661212
pickup_postal_code	S		Pickup Postal Code	6 alpha-numeric. **Example**: A1A1A1
pickup_province	S		Pickup Province	Province ISO 3166-2
packages	ARR	M	Packages Array	**See 1b Request Element Definition - Packages**
dimention_unit	STR	M	Unit of Measure package dimensions	**I** = Inches **C** = cm
instruction	STR	O	Instructions associated to the	**Max Length:** 40 Characters
premium	STR	O	Premium Service	**A =** 10am **B** = Noon **N** = None **S** = Saturday
reported_weight_unit	STR	M	Unit of Measure Shipment weight	**L** = Pounds **K** = Kilograms
send_email_to_delivery	BOL	O	Send notification email to recipient	**True** = Sends email to recipient on file **False** = No
send_email_to_pickup	BOL	O	Send notification email to shipper	**True** = Sends email to shipper on file **False** = No
shipper_num	STR	M	Canpar Express Account Number	Shipper/user's Canpar Express account number
shipping_date	DTE	M	Shipping date (current or future date)	**ISO 8601** format. **Example**: 2023-08-21T12:00:00.000Z
service_type	STR	M	Canpar Express Service	See **Appendix A: Canpar Express Service Codes**
signature	STR	O	Signature Service	**SR** = Signature Required **SA** = Adult Signature Required **NSR** = No Signature Required ***null*** = No preference

1b. REQUEST ELEMENT DEFINITION: PACKAGES

The package array is required to produce a shipment. Each package requires its own array. Example: If there are ten packages in a shipment, then there needs to be ten package arrays

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
alternative_reference	STR	O	As described	**Max:** 40 characters
cost_centre	STR	O	As described	**Max:** 40 characters
declared_value	INT	O	Declared Value of package	**Min-Max:** $0-5000.00 **per package**
height	INT	O	Height of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
length	INT	O	Length of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
width	INT	O	Width of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
package_num	INT	0	Package number	Assign a numeric value ID to a package. **Max**: 10 digits
package_reference	INT	O	Package Reference	**Max:** 19 digits. Reference per package.
reference	STR	O	Shipment Reference	**Max:** 40 characters.
reported_weight	INT	M	Weight per package	**Min Max**: 0.1 – 999.9
store_num	STR	O	Store or Site Location	**Max:** 10 char
xc	BOL	O	Extra Care	**True** = Extra Care **False** = No Extra Care

1c. REQUEST ELEMENT DEFINITION: PROFORMA

Proforma is used for exclusively for international shipments and is a commercial invoice form. It is not required to produce an international shipment and is used for customs brokerage requirements, if applicable.

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
broker_address	ARR	M	Broker Address information	As described
address_id	STR	O	Address Book Record ID	Address Book ID stored in **saveAddressBook**
address_line_1	STR	O	Pickup Address Line 1	**Max:** 40 characters
address_line_2	STR	O	Pickup Address Line 2	**Max:** 40 characters
address_line_3	STR	O	Pickup Address Line 3	**Max:** 40 characters
attention	STR	O	Attention	**Max:** 40 characters
city	STR	O	Pickup City	**Max:** 40 characters
email	STR	O	Shipper Email Address	Valid Email Address
extension	STR	O	Pickup Telephone Extension	**Max:** 10 digits
name	STR	O	Pickup Company Name	**Max:** 40 characters
phone	STR	O	Pickup Telephone Number	**Example**: 9056661212
postal_code	STR	O	Pickup Postal Code	6 alpha-numeric. **Example**: A1A1A1
province	STR	O	Pickup Province	Province ISO 3166-2
residential	BOL	M	Residential	**True** = Residential **False** = Not Residential
business_num	STR	O	Business Number	Free Form field
currency_of_declared_value	STR	O	Currency of declared value	Free Form field
extension	STR	O	Business Number	Free Form field
name	STR	O	Name	Free Form field
permit_num	STR	O	Permit Number	Free Form field
phone	STR	O	Phone Number	Free form field
reason_for_export	STR	O	Reason for export	Free form field
reference	STR	O	Reference	Free Form Field
status	STR	O	Status of shipment	Free Form field
proforma_items	ARR	M	Proforma Items	Array for product information
quantity	INT	M	Quantity	As described
commodity_info	ARR	M	Commodity Information	Commodity Information Array
country_of_origin	STR	O	Country of origin	Free Form field
description	STR	O	Description of contents	Free Form field
hs_code	INTO	O	HS Code	Free Form numeric field
province_of_origin	STR	O	Province of origin	Free Form field
value	INT	M	Value	Value of shipment

1d. RESPONSE ELEMENT DEFINITION: SHIPMENT

This definition table specifies the values returned in the shipment response and omits the elements already present in the request. New elements highlighted in yellow.

ELEMENT NAME	T	DEFINITION	VALID VALUES
airport_code	STR	IATA Airport Code	Not used
billed_weight	INT	Billed weight of shipment	**Min - Max** 0.1 - 999.9
billed_weight_unit	STR	Unit of Measure for weight	**L** = Pounds **K** = Kilograms
carbon_surcharge	INT	Carbon Surcharge	Currency CAD
cod_charge	INT	COD Charge	Currency CAD
collect_charge	INT	Collect Service Charge	Currency CAD
cos_charge	INT	Chain of Signature Charge	Currency CAD
dg	INT	Dangerous Goods Charge	Currency CAD
dv_charge	INT	Declared Value Surcharge	Currency CAD
ea_charge	INT	Extended Area Charge	Currency CAD
ea_zone	INT	Extended Area Zone	Zone number for Extended Area
estimated_delivery_date	DTE	Estimated Delivery Date	ISO8601
freight_charge	INT	Freight Charge	Currency CAD
id	INT	ID Number for shipment	The ID number needed to produce shipment labels in **getLabelsAdvancedV2**
handling	INT	Handling Charge	Currency CAD
handling_type	STR	Handling Type	**$** = Fee **%** = Percent
lg_charge	INT	Large Package Charge	Currency CAD
over_length_charge	INT	Overlength Charge	Currency CAD
over_size_charge	INT	Oversize Charge	Currency CAD
over_weight_charge	INT	Overweight Charge	Currency CAD
premium_charge	INT	Premium Charge	Currency CAD
ra_charge	INT	Remote Area Charge	Currency CAD
sa_charge	INT	Adult Signature Required Charge	Currency CAD
sr_charge	INT	Signature Required Charge	Currency CAD
subtotal	INT	Subtotal	Currency CAD
subtotal_with_handling	INT	Subtotal with handling	Currency CAD
tax_charge_1	INT	Tax Charge	Currency CAD
tax_charge_2	INT	Tax Charge	Currency CAD
tax_code_1	STR	Tax Code	See **Appendix B: Tax Codes**
tax_code_2	STR	Tax Code	See **Appendix B: Tax Codes**
total	INT	Total Charge	Currency CAD
total_with_handling	INT	Total with Handling	Currency CAD
transit_time	INT	Number of days in transit for service	As described
transit_time_guaranteed	BOL	Transit Time Guaranteed	**True** = Guaranteed **False** = Not guaranteed
xc_charge	INT	Extra Care Charge	Currency CAD
zone	INT	Price Zone of shipment	1-2 digit Numeric

1e. RESPONSE ELEMENT DEFINITION: PACKAGES

This definition table specifies the values returned in the response in the **packages** array

ELEMENT NAME	T	DEFINITION	VALID VALUES
Barcode	STR	Canpar Barcode	Barcode associated to each package in shipment
billed_weight	INT	Billed weight of shipment	**Min - Max** 0.1 - 999.9
dim_weight	INT	Dim Weight	Dimensional weight of package if dims present
dim_weight_flag	BOL	Dim Weight Flag	**True** = Dim weight used for billing **False** = Reported weight
Lg	BOL	LG Charge flag	**True** = LG charge is applied **False** = LG charge not applied
min_weight_flag	BOL	Minimum Weight Flag	**True** = Minimum weight applied **False** = Not applied
over_length	BOL	Overlength Flag	**True** = Overlength charge applied **False** = Not applied
over_size	BOL	Oversize Flag	**True** = Oversize charge applied **False** = Not applied
over_weight	BOL	Overweight Flag	**True** = Overweight charge applied **False** = Not applied

1f. REQUEST:

Below is a sample processShipment request with Adult Signature Required service enabled (Signature = SA). The shipment has two packages each 12 lbs with dims of 20x20x20." Each piece has a declared value of $500.00, Extra Care enabled, and is going from L6T0G8 to L5R3R3 via Canpar Ground (Service Type =1).

```
<ws:processShipment>
   <ws:request>
      <xsd:password>XXXXXXX</xsd:password>
      <xsd:shipment>
         <xsd1:delivery_address>
            <xsd1:address_line_1>1 test st</xsd1:address_line_1>
            <xsd1:city>MISSISSAUGA</xsd1:city>
            <xsd1:country>CA</xsd1:country>
            <xsd1:name>test</xsd1:name>
            <xsd1:phone>9055551212</xsd1:phone>
            <xsd1:postal_code>L5R3R3</xsd1:postal_code>
            <xsd1:province>ON</xsd1:province>
         </xsd1:delivery_address>
         <xsd1:packages>
            <xsd1:height>20</xsd1:height>
            <xsd1:length>20</xsd1:length>
            <xsd1:width>20</xsd1:width>
            <xsd1:reported_weight>12</xsd1:reported_weight>
            <xsd1:xc>true</xsd1:xc>
            <xsd1:declared_value>500</xsd1:declared_value>
         </xsd1:packages>
         <xsd1:packages>
            <xsd1:height>20</xsd1:height>
            <xsd1:length>20</xsd1:length>
            <xsd1:width>20</xsd1:width>
            <xsd1:reported_weight>12</xsd1:reported_weight>
            <xsd1:xc>true</xsd1:xc>
            <xsd1:declared_value>500</xsd1:declared_value>
         </xsd1:packages>
         <xsd1:pickup_address>
            <xsd1:address_line_1>1 test st</xsd1:address_line_1>
            <xsd1:city>BRAMPTON</xsd1:city>
            <xsd1:country>CA</xsd1:country>
            <xsd1:name>test</xsd1:name>
            <xsd1:phone>9999999999</xsd1:phone>
            <xsd1:postal_code>L6T0G8</xsd1:postal_code>
            <xsd1:province>ON</xsd1:province>
         </xsd1:pickup_address>
         <xsd1:reported_weight_unit>I</xsd1:reported_weight_unit>
         <xsd1:service_type>1</xsd1:service_type>
         <xsd1:shipper_num>XXXXXXXX</xsd1:shipper_num>
         <xsd1:shipping_date>2023-08-21T12:00:00.000Z</xsd1:shipping_date>
         <xsd1:signature>SA</xsd1:signature>
      </xsd:shipment>
      <xsd:user_id>XXXXXXXXXXXXX</xsd:user_id>
   </ws:request>
</ws:processShipment>
```

1g. RESPONSE:

Several response elements are removed from this sample for visual purposes. A typical response will also include price values along with transit time. Details on price & transit elements can be found in **Section II USSRating**

The response provides the shipment number along with the label image number that will be used for the **getLabelsAdvancedV2** request. The shipment label image ID number is highlighted in yellow, the barcode numbers in turquoise. The first barcode/package in this shipment response (D999999990000014203001) is also the Shipment Number and all packages in this shipment are billed or tracked under this shipment number.

```
<ax29:processShipmentResult xsi:type="ax211:ProcessShipmentResult">
   <ax211:messages>Dimensional weight has been applied</ax211:messages>
   <ax211:shipment xsi:type="ax211:Shipment">
      <ax211:billed_weight>116.0</ax211:billed_weight>
      <ax211:billed_weight_unit>L</ax211:billed_weight_unit>
      <ax211:carbon_surcharge>4.46</ax211:carbon_surcharge>
      <ax211:dimention_unit>I</ax211:dimention_unit>
      <ax211:dv_charge>27.0</ax211:dv_charge>
      <ax211:estimated_delivery_date>2023-08-22T04:00:00.000Z</ax211:estim
      <ax211:freight_charge>84.88</ax211:freight_charge>
      <ax211:fuel_surcharge>11.61</ax211:fuel_surcharge>
      <ax211:id>35572601</ax211:id>
      <ax211:lg_charge>0.0</ax211:lg_charge>
      <ax211:over_length_charge>0.0</ax211:over_length_charge>
      <ax211:over_size_charge>0.0</ax211:over_size_charge>
      <ax211:over_weight_charge>0.0</ax211:over_weight_charge>
      <ax211:packages xsi:type="ax211:Package">
         <ax211:barcode>D999999990000014203001</ax211:barcode>
         <ax211:billed_weight>58.0</ax211:billed_weight>
         <ax211:declared_value>500.0</ax211:declared_value>
         <ax211:dim_weight>58.0</ax211:dim_weight>
         <ax211:dim_weight_flag>true</ax211:dim_weight_flag>
         <ax211:reported_weight>12.0</ax211:reported_weight>
      </ax211:packages>
      <ax211:packages xsi:type="ax211:Package">
         <ax211:barcode>D999999990000014203002</ax211:barcode>
         <ax211:billed_weight>58.0</ax211:billed_weight>
         <ax211:declared_value>500.0</ax211:declared_value>
         <ax211:dim_weight>58.0</ax211:dim_weight>
         <ax211:dim_weight_flag>true</ax211:dim_weight_flag>
         <ax211:reported_weight>12.0</ax211:reported_weight>
      </ax211:packages>
      <ax211:reported_weight_unit>L</ax211:reported_weight_unit>
      <ax211:sa_charge>7.0</ax211:sa_charge>
      <ax211:service_type>1</ax211:service_type>
      <ax211:shipper_num>99999999</ax211:shipper_num>
      <ax211:shipping_date>2023-08-21T04:00:00.000Z</ax211:shipping_date>
      <ax211:signature>SA</ax211:signature>
      <ax211:sr_charge>0.0</ax211:sr_charge>
      <ax211:subtotal>174.95</ax211:subtotal>
      <ax211:subtotal_with_handling>174.95</ax211:subtotal_with_handling>
      <ax211:tax_charge_1>22.74</ax211:tax_charge_1>
      <ax211:tax_charge_2>0.0</ax211:tax_charge_2>
      <ax211:tax_code_1>ONHST</ax211:tax_code_1>
      <ax211:tax_code_2/>
      <ax211:total>197.69</ax211:total>
      <ax211:transit_time>1</ax211:transit_time>
      <ax211:transit_time_guaranteed>false</ax211:transit_time_guaranteed>
      <ax211:xc_charge>40.0</ax211:xc_charge>
      <ax211:zone>1</ax211:zone>
   </ax211:shipment>
</ax29:processShipmentResult>
```

i. OPERATIONS:

Below is the operation **CanparRatingService** web service affected b this update. Note: this is a supplemental guide for new charges from Canpar Express. Only affected operations will be described in this document.

OPERATION NAME	DESCRIPTION
1. rateShipment	Provides Canpar Express contract rates for a given shipping scenario

ii. ALIAS: **CanparRatingService**

iii. TARGET NAMESPACE: **http://ws.onlinerating.canshipws.canpar.com**

iv. SANDBOX URL: **https://sandbox.canpar.com/canshipws/services/CanparRatingService?wsdl**

OVERVIEW:

rateShipment is used to determine valid Canpar Express rates. The request schema is in two parts: Shipment level information and Package level information. Both must be present in the request.

2a. REQUEST ELEMENT DEFINITION: SHIPMENT

There are elements in the CanparRatingService WSDL file that are either response- based or not currently relevant to rateShipment. Those elements are not included in the below Element Definition. New element(s) in yellow.

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
password	STR	M	As described	Assigned by Canpar Express
user_id	STR	M	As described	Assigned by Canpar Express
cod_type	STR	C	Cash on Delivery Type	**R** = Regular Cheque **C** = Cash **P** = Post-Dated **S** = Certified **N** = None
collect_shipper_num	STR	O	Collect Account Number	Shipment billed to another account. **Requires Canpar approval**
cos	BOL	O	Chain of Signature Service	**True** = Chain of Signature **False** = No Chain of Signature
dg	BOL	O	Dangerous Goods	**True** = Dangerous Goods **False** = No Dangerous Goods
delivery_address	ARR	M	Delivery address information	
address_id	STR	O	Address Book Record ID	Address Book ID stored in **saveAddressBook**
attention	STR	O	Attention	**Max:** 40 characters
delivery_address_line_1	STR	M	Delivery Address Line 1	**Max:** 40 characters
delivery_address_line_2	STR	O	Delivery Address Line 2	**Max:** 40 characters
delivery_address_line_3	STR	O	Delivery Address Line 3	**Max:** 40 characters
delivery_city	STR	M	Delivery City	**Max:** 40 characters
delivery_country	STR	M	Delivery Country	**ISO 3166** Country Codes. **CA** = Canada
delivery_email	STR	O	Recipient Email Address	Valid Email Address
delivery_extension	STR	O	Delivery Telephone Extension	**Max:** 10 digits
delivery_name	STR	M	Delivery Company Name	**Max:** 40 characters
delivery_phone	STR	M	Delivery Telephone Number	**Max**: 11 digits. **Example:** 9056661212
delivery_postal_code	STR	M	Delivery Postal Code	6 alpha-numeric. **Example**: A1A1A1
delivery_province	STR	M	Delivery Province	Province ISO 3166-2
delivery_residential	BOL	O	Residential Delivery	**TRUE:** Is Residential **FALSE:** Not Residential. **NOTE:** If omitted, Canship will determine Residential charge based on declared postal code and **delivery_name.**
pickup_address	ARR	M	Pickup address information	
address_id	S		Address Book Record ID	Address Book ID stored in **saveAddressBook**
attention	S		Attention	**Max:** 40 characters
pickup_address_line_1	S		Pickup Address Line 1	**Max:** 40 characters
pickup_address_line_2	S		Pickup Address Line 2	**Max:** 40 characters
pickup_address_line_3	S		Pickup Address Line 3	**Max:** 40 characters
pickup_city	S		Pickup City	**Max:** 40 characters
pickup_country	S		Pickup Country	**ISO 3166** Country Codes. **CA** = Canada
pickup_email	S		Shipper Email Address	Valid Email Address
pickup_extension	S		Pickup Telephone Extension	**Max:** 10 digits
pickup_name	S		Pickup Company Name	**Max:** 40 characters
pickup_phone	S		Pickup Telephone Number	**Example**: 9056661212
pickup_postal_code	S		Pickup Postal Code	6 alpha-numeric. **Example**: A1A1A1
pickup_province	S		Pickup Province	Province ISO 3166-2
packages	ARR	M	Packages Array	**See 1b Request Element Definition - Packages**
dimention_unit	STR	M	Unit of Measure package dimensions	**I** = Inches **C** = cm
instruction	STR	O	Instructions associated to the	**Max Length:** 40 Characters
premium	STR	O	Premium Service	**A =** 10am **B** = Noon **N** = None **S** = Saturday
reported_weight_unit	STR	M	Unit of Measure Shipment weight	**L** = Pounds **K** = Kilograms
send_email_to_delivery	BOL	O	Send notification email to recipient	**True** = Sends email to recipient on file **False** = No
send_email_to_pickup	BOL	O	Send notification email to shipper	**True** = Sends email to shipper on file **False** = No
shipper_num	STR	M	Canpar Express Account Number	Shipper/user's Canpar Express account number
shipping_date	DTE	M	Shipping date (current or future date)	**ISO 8601** format. **Example**: 2023-08-21T12:00:00.000Z
service_type	STR	M	Canpar Express Service	See **Appendix A: Canpar Express Service Codes**
signature	STR	O	Signature Service	**SR** = Signature Required **SA** = Adult Signature Required **NSR** = No Signature Required ***null*** = No preference

2b. REQUEST ELEMENT DEFINITION: PACKAGES

The package array is required to produce a shipment. Each package requires its own array. Example: If there are ten packages in a shipment, then there needs to be ten package arrays

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
alternative_reference	STR	O	As described	**Max:** 40 characters
cost_centre	STR	O	As described	**Max:** 40 characters
declared_value	INT	O	Declared Value of package	**Min-Max:** $0-5000.00 **per package**
height	INT	O	Height of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
length	INT	O	Length of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
width	INT	O	Width of package	**Min Max:** 0-999.9 (dimensional restrictions may apply)
package_num	INT	0	Package number	Assign a numeric value ID to a package. **Max**: 10 digits
package_reference	INT	O	Package Reference	**Max:** 19 digits. Reference per package.
reference	STR	O	Shipment Reference	**Max:** 40 characters.
reported_weight	INT	M	Weight per package	**Min Max**: 0.1 – 999.9
store_num	STR	O	Store or Site Location	**Max:** 10 char
xc	BOL	O	Extra Care	**True** = Extra Care **False** = No Extra Care

2c. REQUEST:

Below is a sample rateShipment request with Adult Signature Required service enabled (Signature = SA). The shipment has two packages each 12 lbs with dims of 20x20x20." Each piece has a declared value of $500.00, Extra Care enabled, and is going from L6T0G8 to L5R3R3 via Canpar Ground (Service Type =1).

```
<ws:rateShipment>
   <ws:request>
      <xsd:password>XXXXXXX</xsd:password>
      <xsd:shipment>
         <xsd1:delivery_address>
            <xsd1:address_line_1>1 test st</xsd1:address_line_1>
            <xsd1:city>MISSISSAUGA</xsd1:city>
            <xsd1:country>CA</xsd1:country>
            <xsd1:name>test</xsd1:name>
            <xsd1:phone>9055551212</xsd1:phone>
            <xsd1:postal_code>L5R3R3</xsd1:postal_code>
            <xsd1:province>ON</xsd1:province>
         </xsd1:delivery_address>
         <xsd1:packages>
            <xsd1:height>20</xsd1:height>
            <xsd1:length>20</xsd1:length>
            <xsd1:width>20</xsd1:width>
            <xsd1:reported_weight>12</xsd1:reported_weight>
            <xsd1:xc>true</xsd1:xc>
            <xsd1:declared_value>500</xsd1:declared_value>
         </xsd1:packages>
         <xsd1:packages>
            <xsd1:height>20</xsd1:height>
            <xsd1:length>20</xsd1:length>
            <xsd1:width>20</xsd1:width>
            <xsd1:reported_weight>12</xsd1:reported_weight>
            <xsd1:xc>true</xsd1:xc>
            <xsd1:declared_value>500</xsd1:declared_value>
         </xsd1:packages>
         <xsd1:pickup_address>
            <xsd1:address_line_1>1 test st</xsd1:address_line_1>
            <xsd1:city>BRAMPTON</xsd1:city>
            <xsd1:country>CA</xsd1:country>
            <xsd1:name>test</xsd1:name>
            <xsd1:phone>9999999999</xsd1:phone>
            <xsd1:postal_code>L6T0G8</xsd1:postal_code>
            <xsd1:province>ON</xsd1:province>
         </xsd1:pickup_address>
         <xsd1:reported_weight_unit>I</xsd1:reported_weight_unit>
         <xsd1:service_type>1</xsd1:service_type>
         <xsd1:shipper_num>XXXXXXXX</xsd1:shipper_num>
         <xsd1:shipping_date>2023-08-21T12:00:00.000Z</xsd1:shipping_date>
         <xsd1:signature>SA</xsd1:signature>
      </xsd:shipment>
      <xsd:user_id>XXXXXXXXXXXXX</xsd:user_id>
   </ws:request>
</ws:rateShipment>
```

2d. COST BREAKDOWN & RESPONSE:

The response provides back the sent values as well as the price for the shipment. For display purposes, the internal and shipment information has been omitted from this sample. The price result is as follows:

Billed Weight:	116 lbs. The example declared 12 lbs per package, but the dimensional weight of each package (20”x20”x20”) exceeded the declared weight by being 58 lbs per package. Canpar Express bills whichever is the higher value. The confirmation of this condition is in the dim_weight_flag set to True in this instance.
Transit Time:	1 business day
Zone:	1
Freight Charge:	$84.88
Fuel Surcharge:	$11.61
Carbon Surcharge:	$ 4.46
Declared Value:	$27.00 (dv_charge)
Adult Signature:	$ 7.00 (sa_charge)
Extra Care:	$40.00 (xc_charge)
Tax ON HST:	$22.74
Total Charge:	$197.69

```
<ns:rateShipmentResponse xmlns:ns="http://ws.onlinerating.canshipws.canpar.com">
         <ax27:messages>Dimensional weight has been applied</ax27:messages>
            <ax27:billed_weight>116.0</ax27:billed_weight>
            <ax27:billed_weight_unit>L</ax27:billed_weight_unit>
            <ax27:carbon_surcharge>4.46</ax27:carbon_surcharge>
            <ax27:dimention_unit>I</ax27:dimention_unit>
            <ax27:dv_charge>27.0</ax27:dv_charge>
            <ax27:freight_charge>84.88</ax27:freight_charge>
            <ax27:fuel_surcharge>11.61</ax27:fuel_surcharge>
            <ax27:packages xsi:type="ax27:Package">
               <ax27:billed_weight>58.0</ax27:billed_weight>
               <ax27:declared_value>500.0</ax27:declared_value>
               <ax27:dim_weight>58.0</ax27:dim_weight>
               <ax27:dim_weight_flag>true</ax27:dim_weight_flag>
               <ax27:reported_weight>12.0</ax27:reported_weight>
               <ax27:xc>true</ax27:xc>
            </ax27:packages>
            <ax27:packages xsi:type="ax27:Package">
               <ax27:billed_weight>58.0</ax27:billed_weight>
               <ax27:declared_value>500.0</ax27:declared_value>
               <ax27:dim_weight>58.0</ax27:dim_weight>
               <ax27:dim_weight_flag>true</ax27:dim_weight_flag>
               <ax27:reported_weight>12.0</ax27:reported_weight>
               <ax27:xc>true</ax27:xc>
            </ax27:packages>
            <ax27:sa_charge>7.0</ax27:sa_charge>
            <ax27:service_type>1</ax27:service_type>
            <ax27:xc_charge>40.0</ax27:xc_charge>
            <ax27:subtotal>174.95</ax27:subtotal>
            <ax27:tax_charge_1>22.74</ax27:tax_charge_1>
            <ax27:tax_charge_2>0.0</ax27:tax_charge_2>
            <ax27:tax_code_1>ONHST</ax27:tax_code_1>
            <ax27:total>197.69</ax27:total>
            <ax27:zone>1</ax27:zone>
         </ax27:shipment>
</ns:rateShipmentResponse>
```

i. OPERATIONS:

Below are the operations in **CanparAddOnService** web service affected b this update. Note: this is a supplemental guide for new changes from Canpar Express. Only affected operations will be described in this document.

OPERATION NAME	DESCRIPTION
1. schedulePickupV2	Schedule a pickup request
2. cancelPickUp	Cancel a pickup request
3. trackByBarcodeV2	Track shipments by Barcode number
18. trackByDate	Track shipments based on shipping date. Response provides all statuses and shipment information.
19. trackByDateLite	Track shipments based on shipping date. Response provides just the statuses and no shipment information.
20. trackByReference	Track shipments by reference number with shipper number or postal code

ii. ALIAS: **CanparAddOnService**

iii. TARGET NAMESPACE: **http://ws.canparaddons.canpar.com**

iv. SANDBOX URL: **https://sandbox.canpar.com/canshipws/services/CanparAddonsService?wsdl**

OVERVIEW:

This operation schedules a pickup through the Canpar API. This operation replaces schedulePickup which is deprecated

3a. REQUEST ELEMENT DEFINITION:

The request element definition contains only the values relevant for producing a successful API call. Response and legacy elements have been omitted below.

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
user_id	STR	M	Canship User ID	As described
password	STR	M	Canship Password	As described
comments	STR	O	Pickup Instructions	Element used if additional pickup instructions are required
pickup_date	DTE	M	Pickup Date	**ISO 8601:** YYYY-MM-DDTHH:MM:SS.000Z
pickup_location	STR	O	Pickup Location	Location of the pickup
pickup_phone	STR	M	Pickup Location Phone Number	As described
ready_time	INT	M	Ready Time	24-hour clock. **Example** 0800
shipper_num	STR	M	Canpar Account Number	As described
pickup_address	ARR	M	Pickup Address Array	
address_line_1	STR	M	Address Line 1	As described
address_line_2	STR	O	Address Line 2	As described
address_line_3	STR	O	Address Line 3	As described
attention	STR	O	Attention	Pickup Attention Name
city	STR	M	Pickup City	Pickup City
closing_time	INT	M	Closing time of pickup location	24-hour clock. **Example** 0800
country	STR	M	Pickup Country	CA = Canada
email	STR	O	Pickup Email	Pickup Email address
extension	STR	O	Pickup Extension	**Max:** 10 digits
name	STR	M	Pickup Name	Company Name **Max:** 40 characters
phone	STR	M	Pickup Phone	**Max**: 11 digits. **Example:** 9056661212
postal_code	STR	M	Pickup Postal Code	6 alpha-numeric no spaces. **Example:** A1A1A1
province	STR	M	Pickup Province	Province ISO 3166-2
residential	BOL	O	Residential Flag	True = Pickup location is residential False = Not residential

3b. RESPONSE ELEMENT DEFINITION:

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
collect	STR	M	Collect Pickup	**True** =API determines it is a collect Pickup **False** = API determines it is a prepaid pickup
created_by	STR	M	Created By	Displays the Canship username creating the pickup
created_on	DTE	O	Created On	Timestamp of when the pickup request was placed
id	STR	O	Pickup ID	Pickup ID Number

3c. REQUEST:

The request example shows a pickup request where the ready time is 13:15 and the location closes at 17:00. The package is located at the front office and it is a one package 10 lbs shipment.

```
<ws:schedulePickupV2>
   <ws:request>
      <xsd:password>xxxxxxxxx</xsd:password>
      <xsd:pickup>
         <xsd1:closing_time>1700</xsd1:closing_time>
         <xsd1:comments>Test do not dispatch</xsd1:comments>
         <xsd1:number_of_packages>1</xsd1:number_of_packages>
         <xsd1:pickup_address>
            <xsd1:address_line_1>201 Westcreek Blvd</xsd1:address_line_1>
            <xsd1:address_line_2>STE 200</xsd1:address_line_2>
            <xsd1:address_line_3>UNIT 3</xsd1:address_line_3>
            <xsd1:attention>TEST USER</xsd1:attention>
            <xsd1:city>Brampton</xsd1:city>
            <xsd1:country>CAN</xsd1:country>
            <xsd1:email>pickup@canpar.com</xsd1:email>
            <xsd1:extension>123</xsd1:extension>
            <xsd1:name>Canpar</xsd1:name>
            <xsd1:phone>9999999999</xsd1:phone>
            <xsd1:postal_code>L6T0G8</xsd1:postal_code>
            <xsd1:province>ON</xsd1:province>
         </xsd1:pickup_address>
         <xsd1:pickup_date>2023-08-22T13:00:00</xsd1:pickup_date>
         <xsd1:pickup_location>front office</xsd1:pickup_location>
         <xsd1:pickup_phone>9999999999</xsd1:pickup_phone>
         <xsd1:ready_time>1315</xsd1:ready_time>
         <xsd1:shipper_num>xxxxxxxxx</xsd1:shipper_num>
         <xsd1:unit_of_measure>L</xsd1:unit_of_measure>
         <xsd1:weight>10</xsd1:weight>
      </xsd:pickup>
      <xsd:user_id>xxxxxxxxx</xsd:user_id>
   </ws:request>
</ws:schedulePickupV2>
```

3d. RESPONSE:

Successful response below shows a confirmation number of 6095009 which is the pickup ID number

```
<ns:schedulePickupV2Response xmlns:ns="http://ws.canparaddons.canpar.com">
      <ax21:pickup xsi:type="ax23:PickupV2">
         <ax23:canceled_by/>
         <ax23:canceled_on xsi:nil="true"/>
         <ax23:closing_time>1700</ax23:closing_time>
         <ax23:collect>false</ax23:collect>
         <ax23:comments>TEST DO NOT DISPATCH</ax23:comments>
         <ax23:created_by>xxxxxxxxxxxxx</ax23:created_by>
         <ax23:created_on>2023-08-22T13:34:36.624Z</ax23:created_on>
         <ax23:id>6095009</ax23:id>
         <ax23:number_of_packages>1</ax23:number_of_packages>
         <ax23:picked_up_on xsi:nil="true"/>
         <ax23:pickup_date>2023-08-23T04:00:00.000Z</ax23:pickup_date>
         <ax23:pickup_location>FRONT OFFICE</ax23:pickup_location>
         <ax23:pickup_phone>9999999999</ax23:pickup_phone>
         <ax23:ready_time>1315</ax23:ready_time>
         <ax23:shipper_num>xxxxxxxx</ax23:shipper_num>
         <ax23:unit_of_measure>L</ax23:unit_of_measure>
         <ax23:weight>10.0</ax23:weight>
      </ax21:pickup>
</ns:schedulePickupV2Response>
```

OVERVIEW:

This operation cancels Pickup requests originally created in schedulePickupV2

4a. REQUEST ELEMENT DEFINITION:

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
Id	STR	M	Pickup ID	As described. See **Operation schedulePickupV2**
user_id	STR	M	Canship User ID	As described
password	STR	M	Canship Password	As described

4b. REQUEST:

In this request Pickup ID 6095009 which was created in schedulePickupV2 will be cancelled.

```
<ws:cancelPickup>
   <ws:request>
      <xsd:id>6095009</xsd:id>
      <xsd:password>xxxxxxx</xsd:password>
      <xsd:user_id>xxxxxxxxxxx</xsd:user_id>
   </ws:request>
</ws:cancelPickup>
```

4c. RESPONSE TYPES: SUCCESSFULLY CANCELLED

```
<ns:cancelPickupResponse xmlns:ns="http://ws.canparaddons.canpar.com">
   <ns:return xsi:type="ax21:CancelPickupRs">
      <ax21:error xsi:nil="true"/>
   </ns:return>
</ns:cancelPickupResponse>
```

RESPONSE TYPES: PREVIOUSLY CANCELLED PICKUP RESPONSE

```
<ax21:error>Pickup has been already cancelled</ax21:error>
```

RESPONSE TYPES: FAILED CANCELLATION PICKUP RESPONSE

```
<ax21:error>Pickup attempt has been already made</ax21:error>
```

OVERVIEW:

trackByBarcodeV2 is a tracking operation that returns tracking statuses for a specific barcode or shipment. **Note**: all other tracking operations (trackByReference, trackByShortBarcodeAndPostalCode etc) use **postal_code** as the postal code element name instead of **delivery_postal_code**. Expected behaviour is the same.

5a. TRACKING CONDITIONS AND REQUIREMENTS:

For all the below conditions, it is optional to input track_shipment parameter and if it is set to **True** or **False**.

1. To obtain tracking information: Input barcode value.
2. To obtain Delivery Photo: Input barcode value and postal code manifested to Canpar in **delivery_postal_code**
3. To obtain Signature Image: Recommended to Input barcode value and postal code manifested to Canpar in **delivery_postal_code** element.

Note: it is highly recommended to obtain the Signature URL in jpeg format instead of Base64 from signature element.

5b. REQUEST ELEMENT DEFINITION:

ELEMENT NAME	T	R	DEFINITION	VALID VALUES
barcode	STR	M	Canpar Barcode	Canpar 21-22 character tracking number
delivery_postal_code	STR	C	Delivery Postal Code	Mandatory only if retrieving delivery image
filter	STR	O	Internal Use	Internal Use Only
track_shipment	BOL	O	Track Shipment	**True =** Returns tracking events for all packages within shipment if manifested. Null response if shipment has not been manifested. **False=** Returns tracking events for the barcode only.

5c. RESPONSE ELEMENT DEFINITION:

ELEMENT NAME	T	DEFINITION	VALID VALUES
barcode	STR	Canpar Barcode	Canpar tracking number.
delivered	BOL	Delivery Status	**True:** Delivered **False:** Not delivered yet
estimated_delivery_date	DTE	Estimated Delivery Date	Big Endian **YYYYMMDD**
consignee_address	ARR	Consignee Address Array	Delivery Address Array
address_id	STR	Address ID	As described
address_line_1	STR	Delivery Address Line 1	As described
address_line_2	STR	Delivery Address Line 2	As described
address_line_3	STR	Delivery Address Line 3	As described
attention	STR	Delivery Attention	As described
city	STR	Delivery City	As described
country	STR	Delivery Country	**CA** = Canada
email	STR	Delivery Email	Delivery email address
extension	STR	Delivery Extension	Phone Extension
name	STR	Delivery Name	Delivery Name
phone	INT	Delivery Phone	Delivery Phone
postal_code	STR	Delivery Postal Code	6 alpha-numeric no spaces. **Example:** A1A1A1
province	STR	Delivery Province	Province ISO 3166-2
residential	BOL	Residential	**TRUE:** Is Residential **FALSE:** Not Residential.
event	ARR	Event Array	Each event array has location information. Multiple loops
code	STR	Tracking Event Status Code	As described
code_description_en	STR	Tracking Event Status Code Description	Code Description in English
code_description_fr	STR	Tracking Event Status Code Description	Code Description in French
comment	STR	Comment	As described
employee_num	STR	Scanner ID Number	Internal Use
image_url	STR	Delivery Photo URL	URL for delivery image (jpeg format.) URL populates when **code** = '**NSR**' and some instances of '**DEL**'. The URL only populates Event array with **DEL** or **NSR** code
local_date_time	DTE	Date and Time of Event	Date Format: **YYYYMMDD HHMMSS**
route_num	STR	Route Number	Internal Use
time_shift	STR	Time Shift	Time Shift based on UTC offset
web_description_en	STR	Scan Description	Alternative scan description in English
web_description_fr	STR	Scan Description	Alternative scan description in French
address	ARR	Address Array	Address array within each Event array
address_id	STR	Address ID	As described
address_line_1	STR	Delivery Address Line 1	As described
address_line_2	STR	Delivery Address Line 2	As described
address_line_3	STR	Delivery Address Line 3	As described
attention	STR	Delivery Attention	As described
city	STR	Delivery City	As described
country	STR	Delivery Country	**CA** = Canada
email	STR	Delivery Email	Delivery email address
extension	STR	Delivery Extension	Phone Extension
name	STR	Delivery Name	Delivery Name
phone	INT	Delivery Phone	Delivery Phone
postal_code	STR	Delivery Postal Code	6 alpha-numeric no spaces. **Example:** A1A1A1
province	STR	Delivery Province	Province ISO 3166-2
residential	BOL	Residential	**TRUE:** Is Residential **FALSE:** Not Residential.
reference_num	STR	Customer Reference Number	Customer supplied. Blank if barcode not manifested
service_description_en	STR	Canpar Service Description	Service Description in English
service_description_en	STR	Canpar Service Description	Service Description in French
shipping_date	DTE	Shipping Date	Big Endian **YYYYMMDD**. Blank if barcode not manifested
signature	STR	Delivery Signature	Base 64 encoded response containing signature
signature_url	STR	Signature URL	URL of signature (jpeg format) appears in this element if shipment was delivered and a delivery code is present.

5d. RESPONSE ELEMENT DEFINITION (continued)

ELEMENT NAME	T	DEFINITION	VALID VALUES
signed_by	STR	Signature Name	Signature Name
status	STR	Status	Code for shipment status
status_description_en	STR	Status Description English	Description of Status Code
status_description_fr	STR	Status Description French	Description of Status Code
tracking_url_en	STR	Tracking URL English	Canpar website tracking link
tracking_url_fr	STR	Tracking URL French	Canpar website tracking link

5e. DELIVERY PHOTO URL RETRIEVAL REQUEST:

Obtaining a jpeg formatted image of a delivery photo (when available) requires the use of the **delivery_postal_code** element. The postal code entered in that element must match the original shipment record submitted to Canpar Express.

Example, if a user created a shipment in processShipment and the destination postal code for that shipment was K2P1W3, then K2P1W3 must be entered into the delivery_postal_code element to obtain the URL for the image.

The below request is for tracking number **D999999990000000458001** with delivery postal code of **K2P1W3**

```
<ws:trackByBarcodeV2>
   <ws:request>
      <xsd:barcode>D999999990000000458001</xsd:barcode>
      <xsd:delivery_postal_code>K2P1W3</xsd:delivery_postal_code>
      <xsd:track_shipment>true</xsd:track_shipment>
   </ws:request>
</ws:trackByBarcodeV2>
```

5f. DELIVERY PHOTO URL RETRIEVAL RESPONSE:

In the tracking response, the **image_url** element displays the URL path to the jpeg formatted image of the photo. The **image_url** element populates when the **code** (delivery event) **NSR,** or some instances of **DEL**, are present in the **events** array. **Image_url** does not populate unless there is a delivery event. The URLs in this response and other events have been modified or omitted for display purposes only.

```
<ns:trackByBarcodeV2Response xmlns:ns="http://ws.canparaddons.canpar.com">
       <ax21:result xsi:type="ax23:TrackingResultV2">
          <ax23:barcode>D999999990000000458001</ax23:barcode>
          <ax23:delivered>true</ax23:delivered>
          <ax23:events xsi:type="ax23:TrackingEventV2">
             <ax23:address xsi:type="ax23:Address">
                <ax23:address_line_1>123 MAIN ST</ax23:address_line_1>
                <ax23:city>OTTAWA</ax23:city>
                <ax23:postal_code>K2P1W3</ax23:postal_code>
                <ax23:province>ON</ax23:province>
             </ax23:address>
             <ax23:code>NSR</ax23:code>
             <ax23:code_description_en>DELIVERED NSR</ax23:code_description_en>
             <ax23:comment>Left in Mailbox</ax23:comment>
             <ax23:image_url>https://images.canpar.com/-1c3e87b5705c.jpeg</ax23:image_url>
             <ax23:local_date_time>20230425 105056</ax23:local_date_time>
          </ax23:events>
          <ax23:service_description_en>GROUND</ax23:service_description_en>
          <ax23:shipping_date>20230424</ax23:shipping_date>
          <ax23:signature xsi:nil="true"/>
          <ax23:signature_url xsi:nil="true"/>
          <ax23:signed_by xsi:nil="true"/>
          <ax23:status_description_en>Delivered</ax23:status_description_en>
        <ax23:tracking_url_en>http://www.canpar.com/D999999990000000458001</ax23:tracking_url_en>
       </ax21:result>
 </ns:trackByBarcodeV2Response>
```

5g. SIGNATURE URL RETRIEVAL REQUEST:

Obtaining a jpeg formatted image of a signature photo (when available) requires the use of the **delivery_postal_code** element. The postal code entered in that element must match the original shipment record submitted to Canpar Express.

Example, if a user created a shipment in processShipment and the destination postal code for that shipment was K2P1W3, then K2P1W3 must be entered into the delivery_postal_code element to obtain the URL for the image.

The below request is for tracking number **D999999990000000459001** with delivery postal code of **K2P1W3**

```
<ws:trackByBarcodeV2>
   <ws:request>
      <xsd:barcode>D999999990000000459001</xsd:barcode>
      <xsd:delivery_postal_code>K2P1W3</xsd:delivery_postal_code>
      <xsd:track_shipment>true</xsd:track_shipment>
   </ws:request>
</ws:trackByBarcodeV2>
```

5h. SIGNATURE URL RETRIEVAL RESPONSE:

In the tracking response, the **signature_url** element displays the URL path to the jpeg formatted image of the photo. The **signature_url** element populates when the **code** (delivery event) **DEL** is present in the **events** array. **signature_url** does not populate unless there is a delivery event. The URLs in this response and other events have been modified or omitted for display purposes only.

```
<ns:trackByBarcodeV2Response xmlns:ns="http://ws.canparaddons.canpar.com">
       <ax21:result xsi:type="ax23:TrackingResultV2">
          <ax23:barcode>D421669500000000459001</ax23:barcode>
          <ax23:delivered>true</ax23:delivered>
          <ax23:estimated_delivery_date>20230425</ax23:estimated_delivery_date>
          <ax23:events xsi:type="ax23:TrackingEventV2">
             <ax23:address xsi:type="ax23:Address">
                <ax23:address_line_1>123 MAIN ST</ax23:address_line_1>
                <ax23:city>OTTAWA</ax23:city>
                <ax23:postal_code>K2P1W3</ax23:postal_code>
                <ax23:province>ON</ax23:province>
             </ax23:address>
             <ax23:code>DEL</ax23:code>
             <ax23:code_description_en>DELIVERED</ax23:code_description_en>
             <ax23:code_description_fr>LIVRÉ</ax23:code_description_fr>
             <ax23:image_url></ax23:image_url>
             <ax23:local_date_time>20230425 105056</ax23:local_date_time>
             <ax23:route_num>25016</ax23:route_num>
             <ax23:time_shift>3</ax23:time_shift>
             <ax23:web_description_en>Your shipment has been delivered</ax23:web_description_en>
             <ax23:web_description_fr>Votre envoi a été livré</ax23:web_description_fr>
          </ax23:events>
          <ax23:service_description_en>GROUND</ax23:service_description_en>
          <ax23:service_description_fr>TERRESTRE</ax23:service_description_fr>
          <ax23:shipping_date>20230424</ax23:shipping_date>
          <ax23:signature>iVrs1nsfs8NdmaQiixxPPdmmmwFSGiMbskjkZZpisnfkjnkqpwonkFK</ax23:signature>
          <ax23:signature_url>https://images.canpar.com/6105f53c.jpeg</ax23:signature_url>
          <ax23:signed_by>SHELLEY</ax23:signed_by>
          <ax23:status>2</ax23:status>
          <ax23:status_description_en>Delivered</ax23:status_description_en>
          <ax23:status_description_fr>Livré</ax23:status_description_fr>
          <ax23:tracking_url_en>http://www.canpar.com/D421669500000000459001</ax23:tracking_url_en>
          <ax23:tracking_url_fr>http://www.canpar.com/D421669500000000459001</ax23:tracking_url_fr>
       </ax21:result>
    </ns:return>
 </ns:trackByBarcodeV2Response>
```