**Canpar Tracking via Web Services**

**Web Service URL:** <https://canship.canpar.com/canshipws/services/CanparAddonsService?wsdl>

**Available Methods:**

* trackByBarcode
* trackByDate
* trackByDateLite

**trackByBarcode:**

**About:**

This method will return tracking results in relation to a single barcode being provided.

**Input:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| barcode | The barcode to track. |
| track\_shipment | A true or false flag to instruct trackByBarcode to either return tracking for all the parcels associated with the barcode’s shipment, or only the parcel itself. |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| error | Returns “null” if there is no error |
| barcode | The barcode of the current parcel whose tracking results are being shown |
| consignee\_address | The delivery address information for the package |
| delivered | True/False |
| estimated\_delivery\_date | Expected date that the package will be delivered |
| events | The scan events. It contains:   * Address of the event (generally the terminal address) * The event code (status) * A human readable description of the code * Comment from the scan event if applicable * Local date time of the scan |
| reference\_num | Shipper-entered reference identifier, if applicable |
| service\_description\_[en/fr] | The human readable description of the service through which the package was shipped |
| shipping\_date | The date that the package was shipped |
| signature | If the package has been delivered and a signature obtained, this will contain a base64-encoded PNG image of the signature |
| signed\_by | The name of the person who signed for the package |
| tracking\_url\_[en/fr] | The direct URL for tracking the barcode on Canpar’s website |

**trackBydate:**

**About:**

This method will return all of the tracking results that Canpar has received from its scanners within a 24 hour period of the date provided, for a specified account number. Note that due to communication limitations in rural locations, Canpar may receive the scan information at a later time than the package was physically scanned. This method attempts to compensate for that, by returning scans that have been **received** within 24 hours, rather than that were **scanned** within 24 hours. This will ensure that no scan data is missed in the event that this method is used as a daily tracking feed for third party software.

**Input:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| date | The date and time to begin the 24 hour scan period. **Format is**: YYYYMMDD HHMMSS  Note that the 24 hour period is going FORWARD. So providing a time of “000000” will return all results for the given day. |
| page\_num | The results are paginated, so provide the page to display. The pages start at “1” and go forward. |
| shipper\_num | The shipper number whose shipments should be tracked. |

**Output:**

Each individual barcode returned, is broken into a <result> tag, to be iterated over. Within the <result> tags, the following information is returned:

|  |  |
| --- | --- |
| **Field** | **Description** |
| error | Returns “null” if there is no error |
| barcode | The barcode of the current parcel whose tracking results are being shown |
| consignee\_address | The delivery address information for the package |
| delivered | True/False |
| estimated\_delivery\_date | Expected date that the package will be delivered |
| events | The scan events. It contains:   * Address of the event (generally the terminal address) * The event code (status) * A human readable description of the code * Comment from the scan event if applicable * Local date time of the scan |
| reference\_num | Shipper-entered reference identifier, if applicable |
| service\_description\_[en/fr] | The human readable description of the service through which the package was shipped |
| shipping\_date | The date that the package was shipped |
| signature | If the package has been delivered and a signature obtained, this will contain a base64-encoded PNG image of the signature |
| signed\_by | The name of the person who signed for the package |
| tracking\_url\_[en/fr] | The direct URL for tracking the barcode on Canpar’s website |

**trackBydateLite:**

**About:**

This method behaves the same way as trackByDate above, except that its response is stripped down to only return the scan events. This method will significantly reduce the amount of data transferred, and should be considered to improve software efficiency and response time.

**Input:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| date | The date and time to begin the 24 hour scan period. **Format is**: YYYYMMDD HHMMSS  Note that the 24 hour period is going FORWARD. So providing a time of “000000” will return all results for the given day. |
| page\_num | The results are paginated, so provide the page to display. The pages start at “1” and go forward. |
| shipper\_num | The shipper number whose shipments should be tracked. |

**Output:**

Each individual barcode returned, is broken into a <result> tag, to be iterated over. Within the <result> tags, the following information is returned:

|  |  |
| --- | --- |
| **Field** | **Description** |
| error | Returns “null” if there is no error |
| barcode | The barcode of the current parcel whose tracking results are being shown |
| events | The scan events. It contains:   * Address of the event (generally the terminal address) * The event code (status) * A human readable description of the code * Comment from the scan event if applicable * Local date time of the scan |