



Universal Container Tracking (UCT)

Customer guide for Batchlist API

Version 1.4

Last Updated: 2018-07-10

List of changes in the document compared to version 1.3

- 2018/04/25 - Removed endpoints
 - 1) http patch endpoint
 - 2) Get by AgentID
- 2018/07/10 - Removed old and discontinued endpoints
- 2018/07/10 - Removed Status Code Appendix since carriers do not provide codes

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Universal Container Tracking - Batchlist API

Overview

Universal Container Tracking (UCT) provides a callable web-service to conveniently retrieve status updates on sea freight containers into your own software application.

WIN APIs are based on the REST style of web-services that implement server to server data exchange and processing via specific URL's or "endpoints" using simple HTTP methods (GET, POST, DELETE - refer [Appendix -1](#)).

The input and output data sharing are done using simplified and universally accepted JSON format. All communication in WIN production is encrypted via HTTPS service.

Integration/testing environment (<http://integration>.) need to be replaced with <https://www>.

Your application must first authenticate itself using the Login API with a username and password linked to your WIN account which will be provided once you are registered for UCT.

You will then be able to maintain a list of search entries that WIN will provide status updates for, until expiration or deletion by your application via the DELETE endpoints.

Login and Authentication:

Calling the Login with POST method endpoint obtains an initial authToken as a cookie and creates your secure session in the WIN application. Each API request will return a fresh authToken cookie which must be passed back to WIN in the next API request. Cookies are short text strings which the user agent (usually your web browser but may be an HTTP library in .NET, Java or PHP, or a command line utility such as curl) stores and manages. The only request that does not need an initial authToken cookie value is the Login. Your application must also set headers for Content-type: application/json and Accept: application/json in the Login POST request.

Example of Login POST request:

POST <http://integration.winwebconnect.com/api/v1/Login>

```
{ "Username": "user@company.com", "Password": "secret" }
```

Headers:

Content-Type: application/json

Accept: application/json

Example of Login POST response:

Headers:

Cache-Control: no-cache

Content-Encoding: gzip

Content-Length: 806

Content-Type: application/json; charset=utf-8

Date: Tue, 16 Dec 2014 07:00:05 GMT

Expires: -1

Pragma: no-cache

Set-

Cookie: authToken=C9F3440891B1456002C223785F2C43581A00369CE7B6021E3B00FA21618FEB51F04831AD0717A4FF7EF29A0882A38B9940E9E238CFE965ABA1C581399CCA2A804D663A521023F7953D40CC19EF6C7CED0086B6F5F8D3C7A4352111247988B4D6789876D34A526823AF18E8DC4EE44BD; expires=Tue, 23-Dec-2014 07:00:05 GMT; path=/api; HttpOnly

Vary: Accept-Encoding

Each new Set-Cookie:authToken value returned from WIN must be provided in the next GET request header as shown below (see GET UCT API Endpoint).

Upon successful login an object containing information about the logged in user will also be returned. Your application does not need to store or do anything with this information.

```
{ "LastLogin": "2014-12-16T10:58:52.293529Z", "UserDetails": { "ContactID": 674, "AgentID": 184145, "FirstName": "UCT", "LastName": "APIUser", "Email": "uct.apiuser@company.com", "JobTitle": "Software Application", "ContactNumber": "+91889999999", "IsActivated": true, "OperatedBy": null, "Permissions": ["seatracking"]... } }
```

POST UCT Batch List API Endpoint

POST UCT Batchlist endpoint allows you to send the List of queries that your system needs tracking status updates for. Multiple queries can be passed as an array in one POST, each POST is additive. It will not replace the previous list.

Note :

- For UCT the UpdateUntil date must be no less than the time of creation and can be no further than 45 days past the creation time.
- If the date in "UpdateUntil" field is greater than 45 days, then it will be automatically set to the max possible date.

Endpoint:

- POST integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/{AgentId}
- Example: POST integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/103243 (103243 is agent id)

Attributes:

Attributes	Type	Size	Mandatory	Description
SearchClass	S	30	Yes	Should contain default value as "Sea"
Carrier	S	30	Yes	Carrier operator value Refer Appendix -2 Supported Carriers and Operator values
SearchKey	S	30	Yes	Search by container e.g. "c_id" Refer Appendix 3 for the valid list of SearchKey
SearchValue	S	30	Yes	Is the Container number and must conform to ISO6346.
UpdateUntil	S	30	Yes	UpdateUntil is a mandatory field, it marks the point in time where data is no longer needs to be updated. UpdateUntil must be maximum 45 days of creation date
Reference	S	30	No	User Supplied String for arbitrary references

Batchlist POST API Request:

Below payload example shows how multiple search requests can be sent together.

```
{
  "Queries": [
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "HAMBURGSUD",
        "SearchKey": "c_id",
        "SearchValue": "CRLU1837190",
        "UpdateUntil": "2018-06-30T01:00:00.000Z"
      }
    },
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "MSC",
        "SearchKey": "m_b1",
        "SearchValue": "98796E488GX",
        "UpdateUntil": "2018-08-31T01:00:00.000Z"
      }
    },
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "MSC",
        "SearchKey": "b_id",
        "SearchValue": "459E32L02LX",
        "UpdateUntil": "2018-08-30T01:00:00.000Z"
      }
    },
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "MOL",
        "SearchKey": "c_id",
        "SearchValue": "TCLU7184865",
        "UpdateUntil": "2018-08-23T03:00:00.000Z",
        "Reference": "Optional User Supplied Reference"
      }
    },
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "MAERSK",
        "SearchKey": "c_id",
        "SearchValue": "CLHU4701757",
        "UpdateUntil": "2018-08-09T01:00:00.000Z"
      }
    }
  ]
}
```

Batchlist POST API Response:

API response will contain the summary of the queries that were sent during POST request.

The **Summary** section includes information regarding the number of queries that were successfully created or modified. In case of failures the number of queries failed will be available in the **Summary** as well as the error will be available in the **Failed** section.

Response Example: In the case of sending 5 queries where just one failed validation (2 created and the other 2 updated successfully) the output would be:

```
{
  "summary": {
    "created": 2,
    "modified": 2,
    "failed": 1
  },
  "failed": [
    {
      "Query": {
        "SearchClass": "Sea",
        "Carrier": "HAMBURGSUD",
        "SearchKey": "c_id",
        "SearchValue": "CRLU1837190",
        "UpdateUntil": "2018-06-30T01:00:00.000Z"
      }
    },
    "errors": [
      {
        "property": "instance.Query.SearchValue",
        "message": "SearchValue is expected to conform to ISO 6346 when SearchKey is 'c_id'.",
        "schema": {
          "customValidation": "ISO6346ContainerNr"
        },
        "instance": "testEMCU6088280",
        "stack": "instance.Query.SearchValue SearchValue is expected to conform to ISO 6346 when
SearchKey is 'c_id'."
      }
    ]
  }
]
```

GET UCT Batch List API Endpoint

GET Batchlist API endpoint provides status updates for the requested list of queries as received from the carriers. Responses will contain as much data as is provided by each carrier without any data tampering in a consistent json format. Please note that WIN obtains the data directly from the respective carrier's repository and therefore does not warrant the accuracy or completeness of same.

Endpoint:

- ❑ **GET** integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/{AgentId}?since=yyyy-MM-ddThh:mm:ssZ
- ❑ Example **GET** integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/103243?since=2017-05-17T12:59:00Z

Note - GET Batchlist API needs to be called on periodic basis, ideally every 2 hours.

Timestamps should follow the W3 profile of ISO 8601 as defined in <http://www.w3.org/TR/NOTE-datetime> and RFC3339 ABNF.

Important pointers:

- ❑ The timestamp in the since parameter should contain the datetime of the last GET api call
- ❑ The GET request will get all the Search Entries which have new updates after the timestamp mentioned in the since parameter
- ❑ Search Entries that have not received data changes since that time will not be available in the list
- ❑ If timestamp is not provided in the GET Batchlist API call, then WIN will set it by default to T-24 hours from current datetime

NoData Endpoint:

The GET Batchlist API provides only those queries which have status updates from the carriers in the given period. In case of any query which does not have any status updates provided by the carrier, it will not be available in the GET Batchlist API call.

To access such queries which have no status updates from the carriers you can use the below endpoint:

- ❑ **GET** integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/{AgentId}?nodata=true
- ❑ Example: **GET** integration.winwebconnect.com/api/v1/uctapi/batchlist/agents/103243?nodata=true

Above GET request will get all Search Entries for an Agent, whose results are not available.

Attributes:

Attributes	Mandatory	Type	Size	Description
LastChanged	Y			Last Changed Date and time of the Event
Status	Y	S	30	Status of results e.g. "Fetched" - Data has been fetched and is presented. "Pending" - Data Retrieval has been scheduled to be attempted in the future. "Error" - One or more errors have occurred.
Data	Y	O		
Meta	N	O		Meta is for internal use only and can change at any time.
Containers	Y	O		Container Object
Events	Y	O		Event Object
Activity	Y	O		Container activity/event specific to time and location described in this block. For each new container activity/event there is a new "result block" including the event specific information.
Code	N	S	5	Code for the Activity/Event described in this Result Block Will be available only if provided by the carrier.
Name	Y	S	50	Name for the Activity/Event described in this Result Block
State	N	S		Whether the Event is understood to be "Planned" or "Completed"
Location	N	S	100	location respective to the container event of this block
Code	N	S	5	UNLOCODE / Port code for the location
Name	N			Name for the location
DateTime	Y	S	30	Dates & Times shown are in the local timezone of the respective port.
Transport	N	O		
Capacity	N	S	10	Vessel capacity measured in TEU
IMONumber	N	S	20	IMO number of the vessel respective to the container event or if only one vessel is involved, the IMO number of the vessel respective to the whole shipment
Liner	N	S	4	Carrier SCAC code
Vessel	N	S	50	Mode of transportation's name respective to this block's container activity. Thus, can be a vessel name for example.
Voyage	N	S	10	Is the voyage number respective to this block's service and vessel name
Locations	N	O		
PlaceOfReceipt	N	O		Is the location of origin where this container shipment comes from (not necessarily a port)
Name	N	S	100	Name for the location
Code	N	S	5	UNLOCODE / Port code for the location
PortOfLoading	N	O		Is the (first) port of loading respective to this container shipment
Name	N	S	100	Name for the location
Code	N	S	5	UNLOCODE / Port code for the location
ETD	N	S	30	Estimated Time of Departure

PortOfFinalDischarge	N	O		Is the (final) port of discharge respective to this container shipment
Name	N	S	100	Name for the location
Code	N	S	5	UNLOCODE / Port code for the location
ETA	N	S	30	Estimated Time of Arrival
PlaceOfDelivery	N	O		Final place of Delivery respective to this container shipment.
Name	N	S	100	Name for the location
Code	N	S	5	UNLOCODE / Port code for the location
ETA	N	S	30	Estimated Time of Arrival
ContainerNumber	N	S	11	Container number respective to the queried container
ContainerType	N	O		Container type of the container searched for
Code	N	S	10	Container Type code
Name	N	S	10	Container Type name
ETA	N	S	30	Estimated Time of Arrival
ETD	N	S	30	Estimated Time of Departure
ATA	N	S	30	Actual Time of Arrival
ATD	N	S	30	Actual Time of Departure
BookingNumber	N	S	30	Carrier Booking Number
BLNumber	N	S	30	Carrier BL Number
Errors	N			Array of errors if any are encountered

Error example

"errors": [{"error": "No Events Returned"}]

UCT API Results Example (JSON)

```
{
  "Queries": [
    {
      "Query": {
        "Carrier": "MOL",
        "SearchKey": "c_id",
        "SearchValue": "TCLU7184865",
        "meta": {
          "agentid": "103243",
          "listName": "",
          "queryID": "operator=MOL&type=c_id&no=TCLU7184865",
          "lastModified": null,
          "CreatedDate": "2018-07-04T09:47:32Z",
          "lastCheck": null
        },
        "UpdateUntil": "2018-08-23T03:00:00Z",
        "SearchClass": "Sea",
        "Reference": "Optional User Supplied Reference",
        "WebhookURL": null
      },
      "Results": {
        "LastChanged": "2018-07-04T09:49:32.32Z",
        "Status": "Fetched",
        "Data": {
          "meta": null,

```

```

"errors": [],
"Containers": [
  {
    "Events": [
      {
        "Activity": {
          "Code": "2",
          "Name": "Empty Container Returned from Customer"
        },
        "State": "Planned",
        "Location": {
          "Code": "PECLL",
          "Name": "CALLAO ,PERU"
        },
        "DateTime": "2018-08-05T07:00:00",
        "Transport": {
          "Capacity": null,
          "IMONumber": null,
          "Liner": "MOL",
          "Vessel": "",
          "Voyage": ""
        },
        "Locations": {
          "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
          },
          "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
          },
          "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
          },
          "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
          }
        }
      }
    ],
    {
      "Activity": {
        "Code": "OA",
        "Name": "Gate Out from Inbound Terminal for Delivery to
Consignee (or Port Shuttle)"
      },
      "State": "Planned",
      "Location": {
        "Code": "PECLL",
        "Name": "CALLAO ,PERU"
      },
      "DateTime": "2018-08-05T01:00:00",
      "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "",
        "Voyage": ""
      },
      "Locations": {
        "PlaceOfReceipt": {
          "ETD": null,
          "Code": null,
          "Name": null
        }
      }
    }
  }
]

```

```

    },
    "PortOfLoading": {
      "ETD": "2018-07-01T12:30:00",
      "Code": "CNTAO",
      "Name": "QINGDAO, SHANDONG, CHINA"
    },
    "PortOfFinalDischarge": {
      "ETA": "2018-08-04T17:00:00",
      "Code": null,
      "Name": null
    },
    "PlaceOfDelivery": {
      "ETA": null,
      "Code": null,
      "Name": null
    }
  }
},
{
  "Activity": {
    "Code": "UV",
    "Name": "Unloaded at Port of Discharging"
  },
  "State": "Planned",
  "Location": {
    "Code": "PECLL",
    "Name": "CALLAO ,PERU"
  },
  "DateTime": "2018-08-04T20:30:00",
  "Transport": {
    "Capacity": null,
    "IMONumber": null,
    "Liner": "MOL",
    "Vessel": "MOL BELLWETHER",
    "Voyage": "0826E"
  },
  "Locations": {
    "PlaceOfReceipt": {
      "ETD": null,
      "Code": null,
      "Name": null
    },
    "PortOfLoading": {
      "ETD": "2018-07-01T12:30:00",
      "Code": "CNTAO",
      "Name": "QINGDAO, SHANDONG, CHINA"
    },
    "PortOfFinalDischarge": {
      "ETA": "2018-08-04T17:00:00",
      "Code": null,
      "Name": null
    },
    "PlaceOfDelivery": {
      "ETA": null,
      "Code": null,
      "Name": null
    }
  }
},
{
  "Activity": {
    "Code": "VA",
    "Name": "POD Berthing Destination"
  },
  "State": "Planned",
  "Location": {
    "Code": "PECLL",
    "Name": "CALLAO ,PERU"
  },
}

```

```

    "DateTime": "2018-08-04T19:00:00",
    "Transport": {
      "Capacity": null,
      "IMONumber": null,
      "Liner": "MOL",
      "Vessel": "MOL BELLWETHER",
      "Voyage": "0826E"
    },
    "Locations": {
      "PlaceOfReceipt": {
        "ETD": null,
        "Code": null,
        "Name": null
      },
      "PortOfLoading": {
        "ETD": "2018-07-01T12:30:00",
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG, CHINA"
      },
      "PortOfFinalDischarge": {
        "ETA": "2018-08-04T17:00:00",
        "Code": null,
        "Name": null
      },
      "PlaceOfDelivery": {
        "ETA": null,
        "Code": null,
        "Name": null
      }
    }
  },
  {
    "Activity": {
      "Code": "VA",
      "Name": "Arrival at Port of Discharging"
    },
    "State": "Planned",
    "Location": {
      "Code": "PECLL",
      "Name": "CALLAO ,PERU"
    },
    "DateTime": "2018-08-04T17:00:00",
    "Transport": {
      "Capacity": null,
      "IMONumber": null,
      "Liner": "MOL",
      "Vessel": "MOL BELLWETHER",
      "Voyage": "0826E"
    },
    "Locations": {
      "PlaceOfReceipt": {
        "ETD": null,
        "Code": null,
        "Name": null
      },
      "PortOfLoading": {
        "ETD": "2018-07-01T12:30:00",
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG, CHINA"
      },
      "PortOfFinalDischarge": {
        "ETA": "2018-08-04T17:00:00",
        "Code": null,
        "Name": null
      },
      "PlaceOfDelivery": {
        "ETA": null,
        "Code": null,
        "Name": null
      }
    }
  }
}

```

```

    }
  },
  {
    "Activity": {
      "Code": "VD",
      "Name": "Departure from Transhipment Port"
    },
    "State": "Planned",
    "Location": {
      "Code": "KRPUS",
      "Name": "PUSAN ,KOREA REPUBLIC OF"
    },
    "DateTime": "2018-07-09T16:00:00",
    "Transport": {
      "Capacity": null,
      "IMONumber": null,
      "Liner": "MOL",
      "Vessel": "MOL BELLWETHER",
      "Voyage": "0826E"
    },
    "Locations": {
      "PlaceOfReceipt": {
        "ETD": null,
        "Code": null,
        "Name": null
      },
      "PortOfLoading": {
        "ETD": "2018-07-01T12:30:00",
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG,CHINA"
      },
      "PortOfFinalDischarge": {
        "ETA": "2018-08-04T17:00:00",
        "Code": null,
        "Name": null
      },
      "PlaceOfDelivery": {
        "ETA": null,
        "Code": null,
        "Name": null
      }
    }
  }
},
{
  "Activity": {
    "Code": "AE",
    "Name": "Loaded at Transhipment Port"
  },
  "State": "Planned",
  "Location": {
    "Code": "KRPUS",
    "Name": "PUSAN ,KOREA REPUBLIC OF"
  },
  "DateTime": "2018-07-09T07:30:00",
  "Transport": {
    "Capacity": null,
    "IMONumber": null,
    "Liner": "MOL",
    "Vessel": "MOL BELLWETHER",
    "Voyage": "0826E"
  },
  "Locations": {
    "PlaceOfReceipt": {
      "ETD": null,
      "Code": null,
      "Name": null
    },
    "PortOfLoading": {

```

```

        "ETD": "2018-07-01T12:30:00",
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG, CHINA"
    },
    "PortOfFinalDischarge": {
        "ETA": "2018-08-04T17:00:00",
        "Code": null,
        "Name": null
    },
    "PlaceOfDelivery": {
        "ETA": null,
        "Code": null,
        "Name": null
    }
}
},
{
    "Activity": {
        "Code": "UV",
        "Name": "Unloaded at Transshipment Port"
    },
    "State": "Completed",
    "Location": {
        "Code": "KRPUS",
        "Name": "PUSAN ,KOREA REPUBLIC OF"
    },
    "DateTime": "2018-07-04T12:37:00",
    "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "MOL PACE",
        "Voyage": "0828E"
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
}
},
{
    "Activity": {
        "Code": "VA",
        "Name": "T/S Berthing Destination"
    },
    "State": "Completed",
    "Location": {
        "Code": "KRPUS",
        "Name": "PUSAN ,KOREA REPUBLIC OF"
    },
    "DateTime": "2018-07-04T08:25:00",
    "Transport": {

```

```

        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "MOL PACE",
        "Voyage": "0828E"
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
},
{
    "Activity": {
        "Code": "VA",
        "Name": "Arrival at Transhipment Port"
    },
    "State": "Completed",
    "Location": {
        "Code": "KRPUS",
        "Name": "PUSAN ,KOREA REPUBLIC OF"
    },
    "DateTime": "2018-07-04T07:25:00",
    "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "MOL PACE",
        "Voyage": "0828E"
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
}
}

```



```

    },
    {
      "Activity": {
        "Code": "A",
        "Name": "T/S Truck Terminal Arrival"
      },
      "State": "Planned",
      "Location": {
        "Code": "KRPUS",
        "Name": "PUSAN ,KOREA REPUBLIC OF"
      },
      "DateTime": "2018-07-02T10:30:00",
      "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "",
        "Voyage": ""
      },
      "Locations": {
        "PlaceOfReceipt": {
          "ETD": null,
          "Code": null,
          "Name": null
        },
        "PortOfLoading": {
          "ETD": "2018-07-01T12:30:00",
          "Code": "CNTAO",
          "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
          "ETA": "2018-08-04T17:00:00",
          "Code": null,
          "Name": null
        },
        "PlaceOfDelivery": {
          "ETA": null,
          "Code": null,
          "Name": null
        }
      }
    }
  },
  {
    "Activity": {
      "Code": "OA",
      "Name": "T/S Truck Terminal Departure"
    },
    "State": "Planned",
    "Location": {
      "Code": "KRPUS",
      "Name": "PUSAN ,KOREA REPUBLIC OF"
    },
    "DateTime": "2018-07-02T04:30:00",
    "Transport": {
      "Capacity": null,
      "IMONumber": null,
      "Liner": "MOL",
      "Vessel": "",
      "Voyage": ""
    },
    "Locations": {
      "PlaceOfReceipt": {
        "ETD": null,
        "Code": null,
        "Name": null
      },
      "PortOfLoading": {
        "ETD": "2018-07-01T12:30:00",
        "Code": "CNTAO",

```

```

        "Name": "QINGDAO, SHANDONG, CHINA"
    },
    "PortOfFinalDischarge": {
        "ETA": "2018-08-04T17:00:00",
        "Code": null,
        "Name": null
    },
    "PlaceOfDelivery": {
        "ETA": null,
        "Code": null,
        "Name": null
    }
}
},
{
    "Activity": {
        "Code": "VD",
        "Name": "Departure from Port of Loading"
    },
    "State": "Completed",
    "Location": {
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG ,CHINA"
    },
    "DateTime": "2018-07-01T12:30:00",
    "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "MOL PACE",
        "Voyage": "0828E"
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
}
},
{
    "Activity": {
        "Code": "AE",
        "Name": "Loaded at Port of Loading"
    },
    "State": "Completed",
    "Location": {
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG ,CHINA"
    },
    "DateTime": "2018-06-30T21:36:00",
    "Transport": {
        "Capacity": null,
        "IMONumber": null,

```

```

        "Liner": "MOL",
        "Vessel": "MOL PACE",
        "Voyage": "0828E"
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
},
{
    "Activity": {
        "Code": "I",
        "Name": "Gate In to Outbound Terminal"
    },
    "State": "Completed",
    "Location": {
        "Code": "CNTAO",
        "Name": "QINGDAO, SHANDONG ,CHINA"
    },
    "DateTime": "2018-06-27T00:18:00",
    "Transport": {
        "Capacity": null,
        "IMONumber": null,
        "Liner": "MOL",
        "Vessel": "",
        "Voyage": ""
    },
    "Locations": {
        "PlaceOfReceipt": {
            "ETD": null,
            "Code": null,
            "Name": null
        },
        "PortOfLoading": {
            "ETD": "2018-07-01T12:30:00",
            "Code": "CNTAO",
            "Name": "QINGDAO, SHANDONG, CHINA"
        },
        "PortOfFinalDischarge": {
            "ETA": "2018-08-04T17:00:00",
            "Code": null,
            "Name": null
        },
        "PlaceOfDelivery": {
            "ETA": null,
            "Code": null,
            "Name": null
        }
    }
},
{

```

```
"Activity": {
  "Code": "EE",
  "Name": "Empty Container Release to Shipper"
},
"State": "Completed",
"Location": {
  "Code": "CNTAO",
  "Name": "QINGDAO, SHANDONG ,CHINA"
},
"DateTime": "2018-06-26T07:25:00",
"Transport": {
  "Capacity": null,
  "IMONumber": null,
  "Liner": "MOL",
  "Vessel": "",
  "Voyage": ""
},
"Locations": {
  "PlaceOfReceipt": {
    "ETD": null,
    "Code": null,
    "Name": null
  },
  "PortOfLoading": {
    "ETD": "2018-07-01T12:30:00",
    "Code": "CNTAO",
    "Name": "QINGDAO, SHANDONG,CHINA"
  },
  "PortOfFinalDischarge": {
    "ETA": "2018-08-04T17:00:00",
    "Code": null,
    "Name": null
  },
  "PlaceOfDelivery": {
    "ETA": null,
    "Code": null,
    "Name": null
  }
}
}
],
"ContainerNumber": "TCLU7184865",
"Container Type": {
  "Code": "20'DRY ST.",
  "Name": null
},
"ETA": "2018-08-04T17:00:00",
"ETD": "2018-07-01T12:30:00",
"ATA": null,
"ATD": null
}
},
"BookingNumber": null,
"BLNumber": null
}
}
]
```

JSON-Schema Definition

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "id": "/",
  "definitions": {
    "Carrier": {
      "enum": [
        "TEST",
        "For list of supported carriers please check appendix 2"
      ],
      "type": "string"
    },
    "CreatedDate": {
      "type": "string"
    },
    "SearchClass": {
      "enum": [
        "Sea"
      ],
      "type": "string"
    },
    "SearchKey": {
      "enum": [
        "m_bl",
        "b_id",
        "c_id"
      ],
      "type": "string"
    },
    "SearchValue": {
      "type": "string"
    },
    "UpdateUntil": {
      "format": "date-time",
      "type": "string",
      "maxFutureMs": 7.884e+9,
      "description": "The date until which WIN will attempt to fetch updates, maximum
45 days from current date."
    },
    "Reference": {
      "type": "string",
      "description": "User Supplied String for arbitrary references"
    }
  },
  "properties": {
    "Queries": {
      "type": "array",
      "items": {
        "properties": {
          "Query": {
            "type": "object",
            "properties": {
              "Carrier": {
                "$ref": "#/definitions/Carrier"
              },
              "CreatedDate": {
                "$ref": "#/definitions/CreatedDate"
              },
              "SearchClass": {
                "$ref": "#/definitions/SearchClass"
              },
              "SearchKey": {
                "$ref": "#/definitions/SearchKey"
              },
              "SearchValue": {
                "$ref": "#/definitions/SearchValue"
              }
            }
          }
        }
      }
    }
  }
}
```

```
    },
    "UpdateUntil": {
      "$ref": "#/definitions/UpdateUntil"
    },
    "Reference": {
      "$ref": "#/definitions/Reference"
    }
  },
  "required": [
    "Carrier",
    "SearchKey",
    "SearchValue",
    "UpdateUntil"
  ]
}
}
}
},
"required": [
  "Query"
]
}
```

DELETE UCT Batch List API Endpoint

Queries which are expired, or status updates are not required can be removed from the list of search by using below endpoint which will delete the query that matches the parameter.

Endpoint:

❏ `DELETE /api/v1/uctapi/batchlist/agents/{agentId}/{operatorvalue}/c_id/searchvalue}`

Example

- ❏ `DELETE /api/v1/uctapi/batchlist/agents/100185/HAMBURGSUD/c_id/CRLU1837190`
- ❏ `DELETE /api/v1/uctapi/batchlist/agents/100185/HAMBURGSUD/b_id/459E32LO2LX`
- ❏ `DELETE /api/v1/uctapi/batchlist/agents/100185/MSC/m_bl/98796E488GX`

Billing Information:

- Billing is based on Unique Search References (USRs), each time a query is created it counts as an USR, we will continue to attempt to gather data for that query until you have deleted the query or “**UpdateUntil**” date has been reached
- For UCT, the “**UpdateUntil**” date must be no less than the time of creation and can be no further than 45 days past the creation time. Within these constraints, it can be modified by you at any time in subsequent POSTS and will be counted as a single USR from Billing perspective
- If you post any number which is not valid (not available from carrier), WIN will still attempt to track the same until 3 attempts after which it would be stopped. This number will be considered as a USR and would be charged
- If you recreate a query that you had previously deleted, then it will count as a new USR
- In case, if you POST same Number after 45 days then it will be considered as separate USR

WIN Review:

- WIN team will provide checklist of test conditions which needs to be filled and submitted for review
- Checklist provided by the customer would be verified by the WIN team
- On successful review completion, live credentials will be provided

Appendix 1 - HTTP Status Codes

Code	Description
200 OK	Everything worked as expected.
201 Created	Successfully created a new resource.
202 Accepted	Successfully updated a resource.
204 No Content	Successfully deleted a resource.
206 Partial Content	Only a subset of data was returned
400 Bad Request	Often missing a required parameter.
401 Unauthorized	No valid authentication cookie authToken provided.
403 Forbidden	User lacks permissions
404 Not Found	The requested item doesn't exist.
405 Method Not Allowed	Indicate that a particular verb is not applicable for this service
409 Conflict	The request could not be completed due to a conflict with the current state of the resource
500 Internal Server Error	Something went wrong on WIN's end.
501 Not Implemented	The server does not recognize the request method
503 Service Unavailable	The server is currently unavailable (because it is overloaded or down for maintenance)

Appendix 2 - Supported Carriers

- Always refer to the below endpoint to check the latest valid carrier list.
- GET </api/v1/uctapi/carriers>

Appendix 3 - Search Types

Search Type	Type=
Container ID	c_id
Booking ID	b_id
MBL/BL number	m_bl

Appendix 4 - Restrictions

- Only single API request per 60 seconds is allowed
- Data is not real-time and is updated from carrier's repository every 12 hours or less

Appendix 5 -Data type formats

- Following data formats are used in WIN Api's
 - O – Data type used to represent collection of objects
 - S – Data type used to represent characters & numbers
 - I – Data type used to represent numeric field
 - D – Data type used to represent number in decimal format
 - T - Data type used to represent date time field

Disclaimer:

- Carrier can add / change / update / remove carrier specific status codes or description and may not intimate the recipients
- Hence WIN does not take responsibility to provide latest status code for mapping within customer's ERP system
- WIN customers need to make provision to add newly found status code or handle no status codes as and when provided by the carrier