



Universal Air Tracking (UAT) Customer guide for Batchlist API

Version 1.3

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List of changes in the document compared to version 1.2

- 2018/04/25 - Removed endpoints
 - http patch endpoint
 - Get by AgentID
- 2018/07/10 - Removed old and discontinued endpoints
- 2019/06/11 - Added local date time field's in format (yyyy-MM-ddThh:mm:ss)

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1. Universal Air Tracking - Batchlist API

1.1.Overview

Universal Air Tracking (UAT) provides a callable web-service to conveniently retrieve status updates on air freight shipment 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 UAT.

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.

2. 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.

2.1.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

2.2.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 UAT 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": 109364, "FirstName": "UAT", "LastName": "APIUser", "Email": "UAT.apiuser@company.com", "JobTitle": "Software Application", "ContactNumber": "+91889999999", "IsActivated": true, "OperatedBy": null, "Permissions": ["airtrackingapi" ]... }
```

3. POST UAT Batch List API Endpoint

POST UAT 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 UAT the UpdateUntil date must be no less than the time of creation and can be no further than 15 days past the creation time.
- If the date in "UpdateUntil" field is greater than 15 days, then it will be automatically set to the max possible date.

3.1.Endpoint

- POST <http://integration.winwebconnect.com/api/v1/uatapi/batchlist/agents/{AgentId}>
- Example: POST integration.winwebconnect.com/api/v1/uatapi/batchlist/agents/109364 (109364 is agent id)

3.2.Attributes

Attributes	Type	Size	Mandatory	Description
SearchClass	S	30	Yes	Should contain default value as "Air"
SearchKey	S	30	Yes	Search by awb e.g. "awbno" Refer Appendix 3 for the valid list of SearchKey
SearchValue	S	30	Yes	It should be AWB number and must be 11 digits.
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 15 days of creation date. 15 days after UpdateUntil, data will no longer be included in Batch responses.
Reference	S	30	No	User Supplied String for arbitrary references (Example Internal order no,Po number)

3.3.Batchlist POST API Request

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

```
{"Queries": [  
  {  
    "Query": {  
      "SearchClass": "Air",  
      "SearchKey": "awbno",  
      "SearchValue": "01614800601",  
      "UpdateUntil": "2018-07-23T00:00:00.000Z",  
      "Reference": "Optional User Supplied Reference"  
    }  
  },  
  {  
    "Query": {  
      "SearchClass": "Air",  
      "SearchKey": "awbno",  
      "SearchValue": "61522188202",  
      "UpdateUntil": "2018-07-23T00:00:00.000Z",  
      "Reference": "Optional User Supplied Reference"  
    }  
  }  
]
```

```
}}
```

3.4. 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 2 queries and none failed (2 created and 0 queries were modified) the output would be:

```
{  
  "summary": {  
    "created": 2,  
    "modified": 0,  
    "failed": 0  
  },  
  "failed": []  
}
```

4. GET UAT 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.

4.1.Endpoint

- GET [/api/v1/uatapi/batchlist/agents/{AgentId}?since=yyyy-MM-ddThh:mm:ssZ](#)
- Example GET [/api/v1/uatapi/batchlist/agents/109364?since=2017-05-17T12:59:00Z](#)

Note - GET Batchlist API needs to be called on periodic basis, ideally every 30 minutes.

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

4.2.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-12 hours from current datetime

4.3.NoData Endpoint

The GET Batchlist API provides only those queries which have status updates from the carriers in the given time 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:

4.3.1. Endpoints

- GET <http://integration.winwebconnect.com/api/v1/uatapi/batchlist/agents/{AgentId}?nodata=true>
- Example : <http://integration.winwebconnect.com/api/v1/uatapi/batchlist/agents/109364?nodata=true>

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

4.4.Attributes

Attributes	Type	Mandatory	Size	Description	Enumerations
Data	O	Y		Represents the Air waybill object which will contain status details for each AWB	
AirlinePrefix	S	Y	[3]	Airline Prefix	
AwbNumber	S	Y	[8]	AWB number	
AirlineName	S	Y	[100]	Represents the name of the airline	
Statuses	O			Object representing different tracking status objects	
AirportCode	S	Y	[3]	Coded representation of a specific airport/city code.	
Details	O			Represents the status tracking objects	
Code	S	N	[3]	Represents the status tracking code as per IATA standard (Will be available if provided by the airline)	1.1
Description	S	N	[100]	Represents the status tracking description (Will be available if provided by the airline)	
FlightNumber	S	N	[100]	Number to identify a flight or a substitute flight	
StatusDateTime	T	N		DateTime of the tracking status update	
NumberOfPieces	I	N	[4]	Number of Loose Items and/or ULD's as accepted for carriage	
Location	S	N	[3]	Location of event	
Weight	O	N		Object for Gross Weight of cargo	
Value	D	N	[7]	Weight measure	
UOM	S	N	[1]	Code identifying a unit of weight	1.2
PortOfArrival	O	N		Object representing Arrival details	
Code	S	N	[3]	Coded representation of a specific airport/city code.	
Name	S	N	[100]	Name of a specific airport/city	
PortOfDeparture	O	N		Object representing Departure details	
Code	S	N	[3]	Coded representation of a specific airport/city code.	
Name	S	N	[100]	Name of a specific airport/city	
DepartureInfo	O	N		Object representing departure time details	
Type	S	N	[1]	Type of Time Indicator	1.3
DateTime	T	N		24 hours representation in hours and minutes	
ArrivalInfo	O	N		Object representing Arrival time details	
Type	S	N	[1]	Type of Time Indicator	1.3
DateTime	T	N		24 hours representation in hours and minutes	
ReceivedStatus	O	N		Object representing the details received from airline	
Received	S	N	[100]	Representing the name of person/agent receiving cargo from airline	
Carrier	S	N	[100]	Representing name of airline receiving the cargo	
From	S	N	[100]	Identification of individual or company involved in the movement of a consignment	
Volume	O	N		Object for Volume of cargo	
Value	D	N	[7]	Volumetric weight of the cargo	

UOM	S	N	[2]	Code identifying a unit of volume	1.4
Density	O	N		Object for density of cargo	
Indicator	S	N	[2]	Code indicating approximate density of goods	
Group	S	N	[100]	Code indicating density group	
ULD	O	N			
Number	S	N	[100]	Representation of ULD details	
				Other Customs, Security and Regulatory Control	
OtherControllInfo	O	N		Information. The composition of the OCI line depends upon which Customs, Security and Regulatory Control Information Identifier is used	
Country	S	N	[2]	Coded representation of a country approved by ISO	
Information	S	N	[2]	Coded indicator qualifying Customs, Security and Regulatory Control related information	
Description	S	N	[35]	Supplementary information identifying a party, or a location related to Customs, Security and Regulatory Control reporting requirements	
ReferenceNumber	S	N	[100]	Transfer Reference Number in case of transfer scenarios	
Description	S	N	[100]	Description details for discrepancy cases	
ExtraField1	S	N	[100]	Addition field which will be used for feature enhancement, don't use this field.	
ExtraField2	S	N	[100]	Additional field which will be used for feature enhancement, don't use this field.	
ExtraField3	S	N	[100]	Addition field which will be used for feature enhancement, don't use this field.	
RoutingDetails	O	N		Routing Details if provided by the Airline	
Origin	O	N		Origin information	
Code	S	N	[3]	Origin Airport Code	
Name	S	N	[100]	Origin Airport Name	
DepartureTime	T	N		DateTime of Departure	
Status	S	N	[50]	Status of departure if provided by Airline	
Destination	O	N		Destination information	
Code	S	N	[3]	Destination Airport Code	
Name	S	N	[100]	Destination Airport Name	
ArrivalTime	T	N		DateTime of Arrival	
Status	S	N	[50]	Status of arrival if provided by Airline	
Transport	O	N		Transportation information	
Class	S	N		Transport Class for example Air, Sea, Road	
TransportNumber	S	N		Flight Number	
Carrier	O	N		Carrier information	
Code	S	N		2 letter Airline code	
Name	S	N		Airline name	
Prefix	S	N		2-digit airline prefix	
Cargo	O	N		Cargo information	
Weight	O	N		Object for Gross Weight off cargo	
Value	D	N	[7]	Weight measure	
UOM	S	N	[1]	Code identifying a unit of weight	1.2
NumberOfPieces	I	N	[4]	Number of Loose Items and/or ULD's as accepted for carriage	

StatusDateTime_EventStatus	S	N	[20]	Whether the Event is understood to be "Planned" or "Completed"	
StatusDateTimeLocal	T	N		Local DateTime of the tracking status update	
DepartureTimeLocal	T	N		Departure Local DateTime of the tracking status update	
ArrivalTimeLocal	T	N		Arrival Local DateTime of the tracking status update	
DateTimeLocal	T	N		Local Date Time representation in hours and minutes	

4.5.Error example

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

4.6.UAT API Results Example (JSON)

NOTE

- **Highlighted text in Yellow is WIN Meta data and the timestamp provided is in UTC.**
- **Non highlighted text is Carriers response which is shared as is.**

```
{
  "Query": {
    "Carrier": "United Cargo",
    "SearchKey": "awbno",
    "SearchValue": "016-44480586",
    "meta": {
      "agentid": "200991",
      "listName": "",
      "queryID": "awbno=016-44480586",
      "lastModified": null,
      "CreateDate": "2019-06-11T09:39:40.467Z",
      "lastCheck": null
    },
    "UpdateUntil": "2019-06-14T00:00:00Z",
    "SearchClass": "Air",
    "Reference": "Optional User Supplied Reference",
    "WebhookURL": ""
  },
  "Results": {
    "LastChanged": "2019-06-11T09:39:50.467Z",
    "Status": "Fetched",
    "Data": {
      "AirlineName": "United Cargo",
      "AirlinePrefix": "016",
      "AirlineCodeIATA": "UA",
      "AwbNumber": "44480586",
      "Statuses": [
        {
          "AirportCode": "PVG",
          "Details": [
            {
              "Name": "Received from Shipper",
              "FlightNumber": "",
              "NumberOfPieces": "7",
              "Location": "PVG",
              "Weight": {
                "UOM": "KG",
                "Value": 1480
              },
              "StatusDateTime": "2019-05-14T09:44:00Z",
              "StatusDateTimeLocal": "2019-05-14T09:44:00",
              "PortOfDeparture": {
                "Code": ""
              },
              "PortOfArrival": {
                "Code": ""
              },
              "DepartureInfo": {
```

```

    "DateTime": null,
    "DateTimeLocal": null,
    "Type": "",
    "DateTime_EventStatus": null
  },
  "ArrivalInfo": {
    "DateTime": null,
    "DateTimeLocal": null,
    "Type": "",
    "DateTime_EventStatus": null
  },
  "Code": "RCS",
  "Description": "",
  "ExtraField1": "",
  "ExtraField2": "",
  "ExtraField3": "",
  "OtherControllInfo": [],
  "ReceivedStatus": {
    "Carrier": "",
    "Density": {
      "Group": "",
      "Indicator": ""
    },
    "From": "",
    "Received": "",
    "Volume": {
      "UOM": "",
      "Value": null
    }
  },
  "ReferenceNumber": "",
  "ULD": [],
  "StatusDateTime_EventStatus": "Completed"
},
{
  "Name": "Booking Confirmed",
  "FlightNumber": "UA0836",
  "NumberOfPieces": "7",
  "Location": "PVG",
  "Weight": {
    "UOM": "KG",
    "Value": 1480
  },
  "StatusDateTime": "2019-05-14T09:44:00Z",
  "StatusDateTimeLocal": "2019-05-14T09:44:00",
  "PortOfDeparture": {
    "Code": "PVG"
  },
  "PortOfArrival": {
    "Code": "ORD"
  },
  "DepartureInfo": {
    "DateTime": "2019-05-14T15:25:00Z",
    "DateTimeLocal": "2019-05-14T15:25:00",
    "Type": "Planned Time",
    "DateTime_EventStatus": "Completed"
  },
  "ArrivalInfo": {
    "DateTime": "2019-05-14T16:15:00Z",
    "DateTimeLocal": "2019-05-14T16:15:00",

```

```

    "Type": "Planned Time",
    "DateTime_EventStatus": "Completed"
  },
  "Code": "BKD",
  "Description": "",
  "ExtraField1": "",
  "ExtraField2": "",
  "ExtraField3": "",
  "OtherControlInfo": [],
  "ReceivedStatus": {
    "Carrier": "",
    "Density": {
      "Group": "",
      "Indicator": ""
    },
    "From": "",
    "Received": "",
    "Volume": {
      "UOM": "",
      "Value": null
    }
  },
  "ReferenceNumber": "",
  "ULD": [],
  "StatusDateTime_EventStatus": "Completed"
},
{
  "Name": "Manifested",
  "FlightNumber": "UA0836",
  "NumberOfPieces": "7",
  "Location": "PVG",
  "Weight": {
    "UOM": "KG",
    "Value": 1480
  },
  "StatusDateTime": "2019-05-14T10:29:00Z",
  "StatusDateTimeLocal": "2019-05-14T10:29:00",
  "PortOfDeparture": {
    "Code": "PVG"
  },
  "PortOfArrival": {
    "Code": "ORD"
  },
  "DepartureInfo": {
    "DateTime": "2019-05-14T15:25:00Z",
    "DateTimeLocal": "2019-05-14T15:25:00",
    "Type": "Planned Time",
    "DateTime_EventStatus": "Completed"
  },
  "ArrivalInfo": {
    "DateTime": "2019-05-14T16:15:00Z",
    "DateTimeLocal": "2019-05-14T16:15:00",
    "Type": "Planned Time",
    "DateTime_EventStatus": "Completed"
  },
  "Code": "MAN",
  "Description": "",
  "ExtraField1": "",
  "ExtraField2": "",
  "ExtraField3": ""
}

```

```

"OtherControllInfo": [],
"ReceivedStatus": {
  "Carrier": "",
  "Density": {
    "Group": "",
    "Indicator": ""
  },
  "From": "",
  "Received": "",
  "Volume": {
    "UOM": "",
    "Value": null
  }
},
"ReferenceNumber": "",
"ULD": [],
"StatusDateTime_EventStatus": "Completed"
},
{
  "Name": "Departed",
  "FlightNumber": "UA0836",
  "NumberOfPieces": "7",
  "Location": "PVG",
  "Weight": {
    "UOM": "KG",
    "Value": 1480
  },
  "StatusDateTime": "2019-05-14T15:35:00Z",
  "StatusDateTimeLocal": "2019-05-14T15:35:00",
  "PortOfDeparture": {
    "Code": "PVG"
  },
  "PortOfArrival": {
    "Code": "ORD"
  },
  "DepartureInfo": {
    "DateTime": "2019-05-14T15:35:00Z",
    "DateTimeLocal": "2019-05-14T15:35:00",
    "Type": "Actual Time",
    "DateTime_EventStatus": "Completed"
  },
  "ArrivalInfo": {
    "DateTime": "2019-05-14T16:15:00Z",
    "DateTimeLocal": "2019-05-14T16:15:00",
    "Type": "Planned Time",
    "DateTime_EventStatus": "Completed"
  },
  "Code": "DEP",
  "Description": "",
  "ExtraField1": "",
  "ExtraField2": "",
  "ExtraField3": "",
  "OtherControllInfo": [],
  "ReceivedStatus": {
    "Carrier": "",
    "Density": {
      "Group": "",
      "Indicator": ""
    },
    "From": "",

```

```

    "Received": "",
    "Volume": {
      "UOM": "",
      "Value": null
    }
  },
  "ReferenceNumber": "",
  "ULD": [],
  "StatusDateTime_EventStatus": "Completed"
}
]
},
{
  "AirportCode": "ORD",
  "Details": [
    {
      "Name": "Arrived",
      "FlightNumber": "UA0836",
      "NumberOfPieces": "7",
      "Location": "ORD",
      "Weight": {
        "UOM": "KG",
        "Value": 1480
      },
      "StatusDateTime": "2019-05-14T16:08:00Z",
      "StatusDateTimeLocal": "2019-05-14T16:08:00",
      "PortOfDeparture": {
        "Code": "PVG"
      },
      "PortOfArrival": {
        "Code": "ORD"
      },
      "DepartureInfo": {
        "DateTime": "2019-05-14T15:35:00Z",
        "DateTimeLocal": "2019-05-14T15:35:00",
        "Type": "Actual Time",
        "DateTime_EventStatus": "Completed"
      },
      "ArrivalInfo": {
        "DateTime": "2019-05-14T16:08:00Z",
        "DateTimeLocal": "2019-05-14T16:08:00",
        "Type": "Actual Time",
        "DateTime_EventStatus": "Completed"
      },
      "Code": "ARR",
      "Description": "",
      "ExtraField1": "",
      "ExtraField2": "",
      "ExtraField3": "",
      "OtherControllInfo": [],
      "ReceivedStatus": {
        "Carrier": "",
        "Density": {
          "Group": "",
          "Indicator": ""
        },
        "From": "",
        "Received": "",
        "Volume": {
          "UOM": "",

```

```

    "Value": null
  }
},
"ReferenceNumber": "",
"ULD": [],
"StatusDateTime_EventStatus": "Completed"
},
{
  "Name": "Received from Flight",
  "FlightNumber": "UA0836",
  "NumberOfPieces": "7",
  "Location": "ORD",
  "Weight": {
    "UOM": "KG",
    "Value": 1480
  },
  "StatusDateTime": "2019-05-14T17:09:00Z",
  "StatusDateTimeLocal": "2019-05-14T17:09:00",
  "PortOfDeparture": {
    "Code": "PVG"
  },
  "PortOfArrival": {
    "Code": "ORD"
  },
  "DepartureInfo": {
    "DateTime": "2019-05-14T15:35:00Z",
    "DateTimeLocal": "2019-05-14T15:35:00",
    "Type": "Actual Time",
    "DateTime_EventStatus": "Completed"
  },
  "ArrivalInfo": {
    "DateTime": "2019-05-14T16:08:00Z",
    "DateTimeLocal": "2019-05-14T16:08:00",
    "Type": "Actual Time",
    "DateTime_EventStatus": "Completed"
  },
  "Code": "RCF",
  "Description": "",
  "ExtraField1": "",
  "ExtraField2": "",
  "ExtraField3": "",
  "OtherControlInfo": [],
  "ReceivedStatus": {
    "Carrier": "",
    "Density": {
      "Group": "",
      "Indicator": ""
    },
    "From": "",
    "Received": "",
    "Volume": {
      "UOM": "",
      "Value": null
    }
  },
  "ReferenceNumber": "",
  "ULD": [],
  "StatusDateTime_EventStatus": "Completed"
},
{

```



```

    "Name": "Documents Delivered",
    "FlightNumber": "",
    "NumberOfPieces": "7",
    "Location": "ORD",
    "Weight": {
      "UOM": "KG",
      "Value": 1480
    },
    "StatusDateTime": "2019-05-14T22:54:00Z",
    "StatusDateTimeLocal": "2019-05-14T22:54:00",
    "PortOfDeparture": {
      "Code": ""
    },
    "PortOfArrival": {
      "Code": ""
    },
    "DepartureInfo": {
      "DateTime": null,
      "DateTimeLocal": null,
      "Type": "",
      "DateTime_EventStatus": null
    },
    "ArrivalInfo": {
      "DateTime": null,
      "DateTimeLocal": null,
      "Type": "",
      "DateTime_EventStatus": null
    },
    "Code": "AWD",
    "Description": "",
    "ExtraField1": "",
    "ExtraField2": "",
    "ExtraField3": "",
    "OtherControlInfo": [],
    "ReceivedStatus": {
      "Carrier": "",
      "Density": {
        "Group": "",
        "Indicator": ""
      },
      "From": "",
      "Received": "",
      "Volume": {
        "UOM": "",
        "Value": null
      }
    },
    "ReferenceNumber": "",
    "ULD": [],
    "StatusDateTime_EventStatus": "Completed"
  },
  {
    "Name": "Delivered",
    "FlightNumber": "",
    "NumberOfPieces": "7",
    "Location": "ORD",
    "Weight": {
      "UOM": "KG",
      "Value": 1480
    },
  }

```

```

"StatusDateTime": "2019-05-15T03:17:00Z",
"StatusDateTimeLocal": "2019-05-15T03:17:00",
"PortOfDeparture": {
  "Code": ""
},
"PortOfArrival": {
  "Code": ""
},
"DepartureInfo": {
  "DateTime": null,
  "DateTimeLocal": null,
  "Type": "",
  "DateTime_EventStatus": null
},
"ArrivalInfo": {
  "DateTime": null,
  "DateTimeLocal": null,
  "Type": "",
  "DateTime_EventStatus": null
},
"Code": "DLV",
"Description": "",
"ExtraField1": "",
"ExtraField2": "",
"ExtraField3": "",
"OtherControlInfo": [],
"ReceivedStatus": {
  "Carrier": "",
  "Density": {
    "Group": "",
    "Indicator": ""
  },
  "From": "",
  "Received": "",
  "Volume": {
    "UOM": "",
    "Value": null
  }
},
"ReferenceNumber": "",
"ULD": [],
"StatusDateTime_EventStatus": "Completed"
}
]
},
"RoutingDetails": [
{
  "Origin": {
    "DepartureTime": "2019-05-14T15:35:00Z",
    "DepartureTimeLocal": "2019-05-14T15:35:00",
    "Code": "PVG",
    "Name": "",
    "Status": "Actual Time"
  },
  "Destination": {
    "ArrivalTime": "2019-05-14T16:08:00Z",
    "ArrivalTimeLocal": "2019-05-14T16:08:00",
    "Code": "ORD",
    "Name": ""
  }
}
]
}

```

```

    "Status": "Actual Time"
  },
  "Transport": {
    "Class": "Air",
    "TransportNumber": "UA0836",
    "Carrier": {
      "Code": "UA",
      "Name": "United Cargo",
      "Prefix": "016"
    }
  },
  "Cargo": {
    "Weight": {
      "UOM": "KG",
      "Value": 1480
    },
    "NumberOfPieces": "7"
  }
},
"meta": {
  "lastFetch": null,
  "data_src": null,
  "queryID": null,
  "v": null,
  "lastChanged": null,
  "NextEventDate": null,
  "IsDelivered": true
}
}
}
}

```

4.7.JSON-Schema Definition

```

{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "id": "/",
  "definitions": {
    "Carrier": {
      "enum": [
      ],
      "type": "string"
    },
    "CreateDate": {
      "type": "string"
    },
    "SearchClass": {
      "enum": [
        "Air"
      ],
      "type": "string"
    },
    "SearchKey": {
      "enum": [
        "awbno"
      ],
      "type": "string"
    },
    "SearchValue": {
      "type": "string",

```

```

"pattern": "[0-9]{11}"
},
"UpdateUntil": {
  "format": "date-time",
  "type": "string",
  "maxFutureMs": 7.884e+9,
  "description": "The date until which WIN will attempt to fetch updates, maximum 15 days from current date."
},
"Reference": {
  "type": "string",
  "description": "User Supplied String for arbitrary references"
}
},
"properties": {
  "Query": {
    "type": "object",

"properties": {
  "CreatedDate": {
    "$ref": "#/definitions/CreatedDate"
  },
  "SearchClass": {
    "$ref": "#/definitions/SearchClass"
  },
  "SearchKey": {
    "$ref": "#/definitions/SearchKey"
  },
  "SearchValue": {
    "allOf": [
      {
        "$ref": "#/definitions/SearchValue"
      }
    ]
  },
  "UpdateUntil": {
    "$ref": "#/definitions/UpdateUntil"
  },
  "Reference": {
    "$ref": "#/definitions/Reference"
  }
  },
  "required": [
    "SearchKey",
    "SearchValue",
    "UpdateUntil"
  ]
}
},
"required": [
  "Query"
]
}

```

5. DELETE UAT Batch List API Endpoint

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

5.1.Endpoint

- DELETE `/api/v1/uatapi/batchlist/agents/{agentId}/{carrierprefix}/awbno/{searchvalue}`

5.2.Example

- DELETE `/api/v1/uatapi/batchlist/agents/109364/117/awbno/11765933486`

6. Billing and batch list queries:

- 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 UAT, the “UpdateUntil” date must be no less than the time of creation and can be no further than 15 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 15 days then it will be considered as separate USR

7. 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

8. Appendix

8.1. 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)

8.2. Appendix 2 - Supported Carriers

- ❑ Always refer to the below endpoint to check the latest valid carrier list.
 - ❑ GET [/api/v1/uatapi/carriers](#)

8.3. Appendix 3 - Search Types

Search Type	Type
AWB Number	awbno

8.4. Appendix 4 - List of Status Codes

- Note: Not all carriers will provide codes

1.1 - Status Codes	
Code	Description
RCS	Consignment Physically Received from A Shipper or An Agent
RCT	Consignment Received from Another Airline
RCF	Consignment Physically Received from A Given Flight or Surface Transport of The Given Airline
BKD	Consignment Booked on A Specific Flight.
FFM	Consignment Manifested on A Specific Flight
MAN	Consignment Manifested on A Specific Flight
DEP	Consignment Departed on A Specific Flight
PRE	Consignment Prepared for Loading.
TRM	Consignment Which Is to Be Transferred to Another Airline
TFD	Consignment Which Has Been Transferred to Another Airline.
NFD	Consignment Where Consignee or His Agent Has Been Informed of Its Arrival at Destination
AWD	Consignment Where Arrival Documents Have Been Delivered to The Consignee or His Agent
CCD	Consignment Cleared by Customs
DLV	Consignment Delivered to Consignee or His Agent
DIS	Consignment with A Discrepancy
AWR	The Arrival Documentation Has Been Physically Received from A Scheduled Flight at This Location
ARR	The Consignment Has Arrived on A Scheduled Flight at This Location
DDL	The Consignment Has Been Physically Delivered to The Consignee's Door on This Date at This Location
CRC	The Consignment Has Been Reported to The Customs Authorities on This Date at This Location
TGC	The Consignment Has Been Transferred to Customs/Government Control
FOH	The Consignment Is on Hand on This Date at This Location Pending "Ready For Carriage" Determination
DOC	Documents Received by Handling Party

8.5. Appendix 5 - List of Weight UOMs

1.2 - Weight UOM	
Code	Description
K	Kilos
L	Pounds

8.6. Appendix 6 - List of Time Classification

1.3 - Time Classification	
Code	Description
A	Actual Time
E	Estimated Time
S	Scheduled Time

8.7. Appendix 7 - List of Volume UOM's

1.4 - Volume UOM

Code	Description
CC	Cubic Centimeters
CF	Cubic Feet
CI	Cubic Inch
MC	Cubic Meters

8.8. Appendix 8 - Restrictions

- Only single API request per 60 seconds is allowed
- Data is not real-time and is updated from carrier's repository every 4 hours or less

8.9. Appendix 9 - 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

9. Disclaimer:

- Carrier can add / change / update / remove carrier specific status codes or description and may not intimate the recipients
- 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