



**tboair**

API

## Integration Guide Version 1.0

This document is a preliminary release and may be changed prior to final commercial release. This document is provided for information purposes only and TBO Air makes no warranties, either express or implied, in this document

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## DOCUMENT CONTROL

Version	Issue Date	Description
1.0	08-08-2018	New documentation file – Version 1.0

# 1. OVERVIEW

This document describes TBO Air API, which can be integrated into various applications (Web app, Mobile app etc). The TBO Air API uses the core booking engine for every booking where all leading LCC & full service domestic carriers available via single XML. Any customer using the API should register through TBOHolidays which is required for authorizing the credentials.

It is intended specially for developers and other team members to help them know how the Air API Service works. This guide provides all the required information to integrate this TBO Air API.

All the steps right from search, to re-price and seat sell, to request excess baggage and meal charges wherever applicable, to fare rules and final booking are sequentially followed by using a shared transaction identifier (TrackingId).

We strongly recommended that you read the complete guide before integration. We continue to make new changes and add new methods in the API based on the feedback from customers and suppliers which might not be updated in the integration document.

Request you to kindly refer the following link: <https://xmloutapi.tboair.com> to stay updated of the changes, if any.

This is RESTful service which communicates only in JSON Format. You may use online tools like “<http://jsonlint.com/>” or “<http://jsonviewer.stack.hu/>” (or other some similar tools) to validate the JSON Format.

This guide explains the use of each method, what support we are providing to use the API efficiently, how to access the resources, etc. This document also contains the certification process you need to go through for Go Live access. The document assumes that you are familiar with web services technology.

A high level description of the search flow is described here :

**<http://xmloutapi.tboair.com>**

We are there to fully support you throughout the integration and can be reached on [apisupport@tboair.com](mailto:apisupport@tboair.com) without any reluctance.



## 2. METHOD TO POST JSON DATA

C#

```
public string GetResponse(string requestData, string url)
{
    string responseXML = string.Empty;
    try
    {
        System.Net.Http.HttpClient httpClient = new System.Net.Http.HttpClient { Timeout = new TimeSpan(0, 0, 500) };
        httpClient.BaseAddress = new Uri(url);
        httpClient.DefaultRequestHeaders.Accept.Clear();
        httpClient.DefaultRequestHeaders.Accept.Add(new
            System.Net.Http.Headers.MediaTypeWithQualityHeaderValue("application/json"));

        System.Net.Http.StringContent content = new System.Net.Http.StringContent(requestData,
            System.Text.Encoding.UTF8, "application/json");
        System.Net.Http.HttpResponseMessage response = httpClient.PostAsync(url, content).Result;
        if (response.IsSuccessStatusCode)
        {
            responseXML = response.Content.ReadAsStringAsync().Result;
        }
    }
    catch (System.Net.WebException webEx)
    {
        responseXML = null;
        System.Net.WebResponse response = webEx.Response;
        System.IO.Stream stream = response.GetResponseStream();
        String responseMessage = new System.IO.StreamReader(stream).ReadToEnd();
    }
    return responseXML;
}
```

### 3. PROCESS FLOW

Authentication	➤	Return the Token ID that needs to be echoed back in every subsequent request.
Search	➤	Get all the available results for the requested search criteria for a given origin and destination.
FareRules	➤	Get all the fare rules associated with the selected results/segment
FareQuote	➤	Gets updated price for the selected result/flight and used for holding the seats in the requested class for Low Cost Carriers.
Special Service Request	➤	To get the last ticket date, baggage, meal and seat information with respect to selected results/flight.
Book	➤	To book/hold the selected itinerary with requested pax. Book to be called only for Non LCC flights and will return PNR number in case of a successful booking.
Ticket	➤	To issue the ticket of the HOLD PNR with respect to selected itinerary. This method is also used to ticket the Hold PNR (only applicable for Non LCC airlines)
GetBooking	➤	Retrieve the booking details and booking status of an existing booking using Booking Id, PNR or Traceld as the search parameter as well as gets the updated status for Pending Bookings
Release Booking	➤	Release the Hold PNR bookings and the status of the booking would be as Released.

## 4. TBO Air API LIFE CYCLE

The life cycle of a TBO Air API integration consists of the following steps:-

- Customer concludes the commercial discussion, signs the agreement and any related addendums.
- Prior to any development work, the go-live certification and this Welcome Pack are studied.
- The technical work (coding, implementation, and configuration) work begins and the implementation team keeps in touch with TBO Air API Support, with short status updates sent every few days.
- As they near the completion of the integration writes to TBO Air APISupport to commence the audit process, by furnishing details of your staging environment and submit the completed go-live as per the certification process.
- No live traffic is permitted on the TBO Air system, until a written approval is received from TBO Air APISupport, signing off the certification.

## 5. AUTHENTICATION

Authenticate method will return the Token ID that needs to be echoed back in every subsequent request. In case of session expiry or log outs, the authenticate method needs to be called again and the updated Token ID needs to be passed in every subsequent request.

**Service URL:** - <http://xmloutapi.tboair.com/api/v1/Authenticate/ValidateAgency>

### Authentication Request

```
{
  "UserName": "tboair",
  "Password": "tboair@3421",
  "BookingMode": "API",
  "IPAddress": "192.16910.22"
}
```

### Authentication Response

```
{
  "Agency":
  {
    "Currency": "USD",
    "TotalAailableLimit": 1230
  },
  "IsSuccess": true,
  "Errors": [],
  "Alerts": [],
  "TokenId": "951a03d2-c0f8-4a40-b092-fa0764df54a7",
  "TrackingId": null
}
```



## AUTHENTICATION REQUEST

Level	Element	Format	Comments	Mandatory/ Optional
1	UserName	String	User name provided by the agency	Mandatory
2	Password	String	Password provided by the agency	Mandatory
3	BookingMode	String	Always "API" as a mode of the booking	Mandatory
4	IPAdress	String	Public Server IP	Mandatory

## AUTHENTICATION RESPONSE

Level	Element	Format	Comments	Mandatory/ Optional
1	Currency	String	Currency of the balance	Mandatory
2	TotalAailableLimit	String	Balance in the agency account	Mandatory
3	IsSuccess	Boolean	Response status	Mandatory (True - Successful and False - Failure)
4	TokenId	String	Token ID	Mandatory (Token Id to be echoed back in further requests valid for 24 hrs i.e 00:00 AM to 11:59 PM)
5	TrackingId	String	To Track the booking flow but in authentication response it would be null	Non Mandatory
6	ErrorCode	Integer	Code corresponding to the Error	Mandatory
7	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 6. SEARCH

This method provides availability of the results with the cheapest fare options. The request includes single query which required all mandatory parameters for search initiation. The search request contains optional field of return/arrival date.

In case of round trip, this field should be filled with the return date and submitted for the search response including all the available options.

Once the requested query is parsed and validated, the TBO Air API start searching for the best option in all possible sources. If the search is successful it will return Result object otherwise will share the error response.

**Service URL:** - <http://xmloutapi.tboair.com/api/v1/Search/Search>

### **Search Request (One Way)**

```
{
  "IPAddress": "192.168.4.238",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "TokenId": "3db99fbd-1989-447d-96fe-31265eb1f944",
  "JourneyType": 1,
  "AdultCount": 1,
  "ChildCount": 0,
  "InfantCount": 0,
  "FlightCabinClass": 1,
  "Segment": [
    {
      "Origin": "DXB",
      "Destination": "DEL",
      "PreferredDepartureTime": "2018-12-29T00:00:00",
      "PreferredArrivalTime": "2018-12-29T00:00:00",
      "PreferredAirlines": ["EK", "AI"]
    }
  ]
}
```

### **Search Response (One Way):**

```
{
```

```
"Results": [
  [
    {
      "ResultId": "46a89a3d-3672-4fbf-b90d-dab4235cde6b",
      "Origin": "DXB",
      "Destination": "DEL",
      "IsLcc": false,
      "NonRefundable": false,
      "AirlineRemark": "",
      "Fare": {
        "TotalFare": 141.43336940839627131118376893,
        "FareType": "RP",
        "AgentMarkup": 10,
        "OtherCharges": 0,
        "AgentPreferredCurrency": "USD",
        "ServiceFee": 5,
        "Vat": 0,
        "BaseFare": 24.080389539007758281120443044,
        "Tax": 102.35297986938851303006332589
      },
      "FareBreakdown": [
        {
          "Currency": "USD",
          "PassengerType": 1,
          "PassengerCount": 1,
          "TotalFare": 141.43336940839632,
          "OtherCharges": 0,
          "AgentMarkup": 10,
          "ServiceFee": 5,
          "BaseFare": 24.080389539007803822304923044,
          "Tax": 102.35297986938851303006332589
        }
      ]
    }
  ]
]
```

```
],  
  "LastTicketDate": "31OCT18",  
  "TicketAdvisory": "TICKETS ARE NON REFUNDABLE AFTER DEPARTURE \nLAST TKT DTE 31OCT18 -  
SEE SALES RSTNS \n",  
  "Segments": [  
    [  
      {  
        "NoOfSeatAvailable": 7,  
        "OperatingCarrier": "GF",  
        "SegmentIndicator": 0,  
        "Airline": "GF",  
        "Origin": {  
          "AirportCode": "DXB",  
          "AirportName": "Dubai",  
          "CityCode": "DXB",  
          "CityName": "Dubai",  
          "CountryCode": "AE",  
          "CountryName": "United Arab Emirates",  
          "Terminal": "1"  
        },  
        "Destination": {  
          "AirportCode": "BAH",  
          "AirportName": "Bahrain Int'l",  
          "CityCode": "BAH",  
          "CityName": "Bahrain",  
          "CountryCode": "BH",  
          "CountryName": "Bahrain",  
          "Terminal": ""  
        },  
        "FlightNumber": "515",  
        "DepartureTime": "2018-12-29T20:15:00",  
        "ArrivalTime": "2018-12-29T20:30:00",
```

```
"BookingClass": "W",
"MealType": null,
"ETicketEligible": true,
"Craft": "330",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "06:20:00",
"GroundTime": "00:00:00",
"AccumulatedDuration": "00:00:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
"IncludedBaggage": "40 KG",
"CabinBaggage": null,
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "GF",
  "FlightNumber": "515",
  "Craft": "330",
  "AirlineName": "Gulf Air",
  "OperatingCarrier": "GF"
},
"AirlineName": "Gulf Air"
},
{
  "NoOfSeatAvailable": 7,
  "OperatingCarrier": "GF",
  "SegmentIndicator": 0,
  "Airline": "GF",
  "Origin": {
    "AirportCode": "BAH",
```



```
"AirportName": "Bahrain Int'l",
"CityCode": "BAH",
"CityName": "Bahrain",
"CountryCode": "BH",
"CountryName": "Bahrain",
"Terminal": "",
},
"Destination": {
  "AirportCode": "DEL",
  "AirportName": "Indira Gandhi Airport",
  "CityCode": "DEL",
  "CityName": "Delhi",
  "CountryCode": "IN",
  "CountryName": "India",
  "Terminal": "3"
},
"FlightNumber": "130",
"DepartureTime": "2018-12-29T21:45:00",
"ArrivalTime": "2018-12-30T04:05:00",
"BookingClass": "W",
"MealType": null,
"ETicketEligible": true,
"Craft": "321",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "06:20:00",
"GroundTime": "01:15:00",
"AccumulatedDuration": "01:15:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
```

```
"IncludedBaggage": "40 KG",
"CabinBaggage": null,
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "GF",
  "FlightNumber": "130",
  "Craft": "321",
  "AirlineName": "Gulf Air",
  "OperatingCarrier": "GF"
},
"AirlineName": "Gulf Air"
]
],
"FareRules": [
{
  "Origin": "DXB",
  "Destination": "BAH",
  "Airline": "GF",
  "FareRestriction": "N",
  "FareBasisCode": "WOPR2AE",
  "FareRuleDetail": null,
  "DepartureDate": "0001-01-01T00:00:00",
  "FlightNumber": null
},
{
  "Origin": "BAH",
  "Destination": "DEL",
  "Airline": "GF",
  "FareRestriction": "Y",
  "FareBasisCode": "WOPR2AE",
  "FareRuleDetail": null,
```

```
"DepartureDate": "0001-01-01T00:00:00",
"FlightNumber": null
},
],
"ValidatingAirline": "GF",
"ResponseTime": "0001-01-01T00:00:00",
"JourneyType": 1
},
"IsSuccess": true,
"Errors": [
],
"Alerts": [
],
"TokenId": "3db99fbd-1989-447d-96fe-31265eb1f944",
"TrackingId": "82ed0712-eacd-4ff7-a242-860faabe2676"
}
```

#### **Search Request (Return):**

```
{
  "IPAddress": "192.168.4.238",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "TokenId": "3db99fbd-1989-447d-96fe-31265eb1f944",
  "JourneyType": 2,
  "AdultCount": 1,
  "ChildCount": 0,
  "InfantCount": 0,
  "Segment": [
    {
      "Origin": "DEL",
      "Destination": "DXB",
      "PreferredDepartureTime": "2018-12-11T00:00:00",
      "PreferredArrivalTime": "2018-12-11T00:00:00",
    }
  ]
}
```

```
"FlightCabinClass": 1,
"PreferredAirlines":["EK", "AI"]
},
{
"Origin": "DXB",
"Destination": "DEL",
"PreferredDepartureTime": "2018-12-12T00:00:00",
"PreferredArrivalTime": "2018-12-12T00:00:00",
"FlightCabinClass": 1
}
],
"PreferredCarrier": null
}
```

**Search Response (Return):**

```
"Results": [
[
{
"ResultId": "d2719aa8-1a38-41cc-a977-22da8da5869c",
"Origin": "DEL",
"Destination": "DEL",
"IsLcc": false,
"NonRefundable": false,
"AirlineRemark": "",
"Fare": {
"TotalFare": 293.43213750237,
"FareType": "",
"AgentMarkup": 10,
"OtherCharges": 0.18531969148,
"AgentPreferredCurrency": "USD",
"ServiceFee": 10,
"BaseFare": 194.443231172498,
"Tax": 78.803586638392
},
"FareBreakdown": [
{
```

```
"Currency": "USD",
"PassengerType": 1,
"PassengerCount": 1,
"TotalFare": 293.43213750237,
"OtherCharges": 0.18531969148,
"AgentMarkup": 10,
"ServiceFee": 10,
"BaseFare": 194.443231172498,
"Tax": 78.803586638392
}
],
"LastTicketDate": null,
"TicketAdvisory": null,
"Segments": [
[
{
"NoOfSeatAvailable": 9,
"OperatingCarrier": "KU",
"SegmentIndicator": 1,
"Airline": "KU",
"Origin": {
"AirportCode": "DEL",
"AirportName": "Indira Gandhi Airport",
"CityCode": "DEL",
"CityName": "Delhi",
"CountryCode": "IN",
"CountryName": "India",
"Terminal": "3"
},
"Destination": {
"AirportCode": "KWI",
"AirportName": "Kuwait Intl",
"CityCode": "KWI",
"CityName": "Kuwait City",
"CountryCode": "KW",
```



```
"CountryName": "Kuwait",
"Terminal": "M"
},
"FlightNumber": "384",
"DepartureTime": "2018-12-11T06:15:00",
"ArrivalTime": "2018-12-11T08:00:00",
"BookingClass": "T",
"MealType": null,
"ETicketEligible": true,
"Craft": "320",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "07:25:00",
"GroundTime": "00:00:00",
"AccumulatedDuration": "00:00:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
"IncludedBaggage": "2 PC(s)",
"CabinBaggage": "",
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "KU",
  "FlightNumber": "384",
  "Craft": "320",
  "AirlineName": "Kuwait Airways Corporation",
  "OperatingCarrier": "KU"
},
"AirlineName": "Kuwait Airways Corporation"
},
{
  "NoOfSeatAvailable": 9,
  "OperatingCarrier": "KU",
  "SegmentIndicator": 1,
```

```
"Airline": "KU",
"Origin": {
  "AirportCode": "KWI",
  "AirportName": "Kuwait Intl",
  "CityCode": "KWI",
  "CityName": "Kuwait City",
  "CountryCode": "KW",
  "CountryName": "Kuwait",
  "Terminal": "4"
},
"Destination": {
  "AirportCode": "DXB",
  "AirportName": "Dubai",
  "CityCode": "DXB",
  "CityName": "Dubai",
  "CountryCode": "AE",
  "CountryName": "United Arab Emirates",
  "Terminal": "1"
},
"FlightNumber": "671",
"DepartureTime": "2018-12-11T09:15:00",
"ArrivalTime": "2018-12-11T12:10:00",
"BookingClass": "T",
"MealType": null,
"ETicketEligible": true,
"Craft": "332",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "07:25:00",
"GroundTime": "00:00:00",
"AccumulatedDuration": "07:25:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
```

```
"IncludedBaggage": "2 PC(s)",
"CabinBaggage": "",
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "KU",
  "FlightNumber": "671",
  "Craft": "332",
  "AirlineName": "Kuwait Airways Corporation",
  "OperatingCarrier": "KU"
},
"AirlineName": "Kuwait Airways Corporation"
}
],
[
{
  "NoOfSeatAvailable": 9,
  "OperatingCarrier": "KU",
  "SegmentIndicator": 2,
  "Airline": "KU",
  "Origin": {
    "AirportCode": "DXB",
    "AirportName": "Dubai",
    "CityCode": "DXB",
    "CityName": "Dubai",
    "CountryCode": "AE",
    "CountryName": "United Arab Emirates",
    "Terminal": "1"
  },
  "Destination": {
    "AirportCode": "KWI",
    "AirportName": "Kuwait Intl",
    "CityCode": "KWI",
    "CityName": "Kuwait City",
    "CountryCode": "KW",
    "CountryName": "Kuwait",
  }
}
```

```
"Terminal": "4"
},
"FlightNumber": "672",
"DepartureTime": "2018-12-12T13:10:00",
"ArrivalTime": "2018-12-12T13:55:00",
"BookingClass": "T",
"MealType": null,
"ETicketEligible": true,
"Craft": "332",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "09:35:00",
"GroundTime": "00:00:00",
"AccumulatedDuration": "00:00:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
"IncludedBaggage": "2 PC(s)",
"CabinBaggage": "",
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "KU",
  "FlightNumber": "672",
  "Craft": "332",
  "AirlineName": "Kuwait Airways Corporation",
  "OperatingCarrier": "KU"
},
"AirlineName": "Kuwait Airways Corporation"
},
{
  "NoOfSeatAvailable": 3,
  "OperatingCarrier": "KU",
  "SegmentIndicator": 2,
  "Airline": "KU",
```

```
"Origin": {
  "AirportCode": "KWI",
  "AirportName": "Kuwait Intl",
  "CityCode": "KWI",
  "CityName": "Kuwait City",
  "CountryCode": "KW",
  "CountryName": "Kuwait",
  "Terminal": "M"
},
"Destination": {
  "AirportCode": "DEL",
  "AirportName": "Indira Gandhi Airport",
  "CityCode": "DEL",
  "CityName": "Delhi",
  "CountryCode": "IN",
  "CountryName": "India",
  "Terminal": "3"
},
"FlightNumber": "381",
"DepartureTime": "2018-12-12T17:50:00",
"ArrivalTime": "2018-12-13T00:15:00",
"BookingClass": "T",
"MealType": null,
"ETicketEligible": true,
"Craft": "320",
"StopOver": false,
"Stops": 0,
"Mile": 0,
"Duration": "09:35:00",
"GroundTime": "00:00:00",
"AccumulatedDuration": "09:35:00",
"StopPoint": null,
"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
"IncludedBaggage": "2 PC(s)",
```



```
"CabinBaggage": "",
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": "KU",
  "FlightNumber": "381",
  "Craft": "320",
  "AirlineName": "Kuwait Airways Corporation",
  "OperatingCarrier": "KU"
},
"AirlineName": "Kuwait Airways Corporation"
}
]
],
"FareRules": [
{
  "Origin": "DEL",
  "Destination": "KWI",
  "Airline": "KU",
  "FareRestriction": "N",
  "FareBasisCode": "TRTIN1",
  "FareRuleDetail": "",
  "DepartureDate": "0001-01-01T00:00:00",
  "FlightNumber": null
},
{
  "Origin": "KWI",
  "Destination": "DXB",
  "Airline": "KU",
  "FareRestriction": "Y",
  "FareBasisCode": "TRTIN1",
  "FareRuleDetail": "",
  "DepartureDate": "0001-01-01T00:00:00",
  "FlightNumber": null
},
{
```

```

    "Origin": "DXB",
    "Destination": "KWI",
    "Airline": "KU",
    "FareRestriction": "N",
    "FareBasisCode": "TRTIN1",
    "FareRuleDetail": "",
    "DepartureDate": "0001-01-01T00:00:00",
    "FlightNumber": null
  },
  {
    "Origin": "KWI",
    "Destination": "DEL",
    "Airline": "KU",
    "FareRestriction": "Y",
    "FareBasisCode": "TRTIN1",
    "FareRuleDetail": "",
    "DepartureDate": "0001-01-01T00:00:00",
    "FlightNumber": null
  }
],
"ValidatingAirline": "KU",
"ResponseTime": "2018-10-18T14:47:40.4445461Z",
"JourneyType": 2
},
],
"IsSuccess": true,
"Errors": [

],
"Alerts": [

],
"TokenId": "3db99fbd-1989-447d-96fe-31265eb1f944",
"TrackingId": "30d91317-909b-4139-aba5-c7991e1d26cf"
}
}

```

# SEARCH REQUEST

Level	Element	Format	Comments	Mandatory/ Optional
1	IpAddress	String	IP Address of the end	Mandatory
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	TokenId	String	Token ID	Mandatory (Token Id to be echoed back from Authenticate response)
6	AdultCount	Integer	Number of adults	Mandatory
7	ChildCount	Integer	Number of children	Mandatory (Minimum value should be 0)
8	InfantCount	Integer	Number of infants	Mandatory (Minimum value should be 0)
9	JourneyType	Enumeration	Specify journey type	Mandatory 1 for OneWay 2 for Return
10	PreferredAirlines	String	Airline code for specific airline	Non-Mandatory
10	FlightCabinClass	Enumerator	Cabin class	Mandatory 1 for All 2 for Economy 3 for PremiumEconomy 4 for Business 5 for PremiumBusiness 6 for First
11	<b>Segments []</b>		List of segments	
11.1	Origin	String	Origin city code	Mandatory (e.g. DEL)
11.2	Destination	String	Destination city code	Mandatory (e.g. DXB)
11.3	PreferredDepartureTime	Date Time	Preferred departure date	Mandatory (eg - 2018-08-14T00:00:00)
11.4	PreferredArrivalTime	Date Time	Preferred arrival date	Mandatory (eg - 2018-08-24T00:00:00)

SEARCH RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	TrackingId	String	TrackingId	Mandatory
2	Origin	String	Origin city code	Mandatory
3	Destination	String	Destination city code	Mandatory
4	Results	Array of element	Array of the flight results	Mandatory (Can be blank in case no flights found for requested search)
5	ResultId	String	Unique ID of Result	Mandatory
6	IsLCC	Boolean	Is the result for LCC or Non LCC	Mandatory (Value – True or False)
7	NonRefundable	Boolean	fare refundable or not	Mandatory
8	AirlineRemarks	String	Airline remarks	Optional
9	Fare			
10	BaseFare	Decimal	The total Base fare of the booking	Mandatory
11	Tax	Decimal	The total tax of the booking	Mandatory
12	Total	Decimal	Total fare of the booking	Mandatory
13	AgentMarkup		Agency markup as per the configurable	
14	OtherCharges	Decimal	Other Charge	Mandatory
15	ServiceFee	Decimal	Service Fee	Mandatory
16	FareBreakdown[]		Details of fare breakup into several part. It give fare of Each Passenger Type.	
17	Currency	String	Currency	Mandatory
18	PassengerType	String	Passenger Type	Mandatory Adult – 1 Child – 2 Infant – 3

19	PassengerCount	Integer	Number of Passenger	Mandatory
20	BaseFare	Decimal	The total Base fare of the booking	Mandatory
21	Tax	Decimal	The total tax of the booking for particular pax type	Mandatory
22	Other Charges	Decimal	Other charges	Mandatory
23	AgencyMarkup	Decimal	Agency Markup	Mandatory
24	Service Fee	Decimal	Transaction fee	Mandatory
25	Total	Decimal	Total Fare	Mandatory
26	Segments			
27	TripIndicator	Integer	Trip Indicator	Mandatory 1 for Outbound 2 for Inbound flights
28	SegmentIndicator	Integer	Segment Indicator	Mandatory- 1 for Outbound 2 for Inbound flights
29	Airline			
30	AirlineCode	String	Airline code	Mandatory
31	AirlineName	String	Airline name	Mandatory
32	FlightNumber	String	Flight Number	Mandatory
33	FareClass	String	Fare Class	Mandatory
34	OperatingCarrier	String	Operating Carrier	Mandatory
35	Origin			
36	Airport			
37	AirportCode	String	Airport code	Mandatory
38	AirportName	String	Airport name	Optional
39	Terminal	String	Terminal number	Optional
40	CityCode	String	City code	Mandatory
41	CityName	String	City name	Mandatory
42	CountryCode	String	Country code	Mandatory
43	CountryName	String	Country name	Mandatory



44	DepTime	Date Time	Departure time	Mandatory
45	Destination			
46	Airport			
47	AirportCode	String	Airport code	Mandatory
48	AirportName	String	Airport name	Optional
49	Terminal	String	Terminal number	Optional
50	CityCode	String	City code	Mandatory
51	CityName	String	City name	Mandatory
52	CountryCode	String	Country code	Mandatory
53	CountryName	String	Country name	Mandatory
54	ArrTime	Date Time	Arrival time	Mandatory
55	AccumulatedDuration	Time	Accumulated duration	Optional
56	Duration	Time	Duration	Optional(if in case duration is 0 refer the node of Accumulated Duration)
57	GroundTime	Time	Ground time	Optional
58	Mile	String	Miles	Optional
59	StopOver			
60	StopPoint	String	Stopover point	Optional
61	StopPointArrivalTime	Date Time	Stopover arrival time	Optional
62	StopPointDepartureTime	Date Time	Stopover departure time	Optional
63	Craft	String	Craft	Optional
64	IsETicketEligible	Boolean	Is E-Ticket eligible	Mandatory (Value – true or false)
65	FlightStatus	String	Flight status	Mandatory
66	Status	String	Status	Mandatory
67	LastTicketDate	Date Time	Last ticket date	Mandatory
68	TicketAdvisory	String	Ticket Advisory	Optional

69	FareRules	FareRules	This is the fare rules of the flight fare offered	
70	Origin	String	Origin	Mandatory
71	Destination	String	Destination	Mandatory
72	Airline	String	Airline	Mandatory
73	FareBasisCode	String	Fare basis code	Mandatory
74	FareRuleDetail	String List	Fare rule details	Mandatory
75	FareRestriction	String	Fare restriction	Mandatory
76	ErrorCode	Integer	Code corresponding to the Error	Mandatory
77	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 7. FARE RULE

This method is used to get the fare rules and condition of a specific flight option. It contains the fare basis code and the relevant details associated with it, such as restrictions, reissuance and penalties.

**Service URL:** - <http://xmloutapi.tboair.com/api/v1/Detail/FareRule>

### Fare Rule Request:

```
{
  "ResultId": "93f42826-9fdc-4b53-a6f3-186147ffa183",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "TokenId": "d14e25f6-c119-4375-8c14-33313c4f59c0",
  "TrackingId": "79a5c63e-dfb3-4360-8c4b-3d1f2d7c5030"
  "IpAddress": "192.169.10.22"
}
```

### Fare Rule Response:

```
{
  "FareRules": [
    [
      {
        "Origin": "DEL",
        "Destination": "BLR",
        "Airline": "6E",
        "FareRestriction": null,
        "FareBasisCode": "ROIP",
        "FareRuleDetail": "\r\n IndiGo Fares Terms "
      },
      {
        "Origin": "BLR",
        "Destination": "DEL",
        "Airline": "6E",
        "FareRestriction": null,
        "FareBasisCode": "POINT",
        "FareRuleDetail": "\r\n IndiGo Fares Terms & Conditions\r\n"
      }
    ]
  ],
  "IsSuccess": true,
  "Errors": [],
  "Alerts": [],
  "TokenId": "d14e25f6-c119-4375-8c14-33313c4f59c0",
  "TrackingId": "79a5c63e-dfb3-4360-8c4b-3d1f2d7c5030"
}
```

FARE RULES REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	ResultId	String	ResultId	Mandatory
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	IPAddress	String	IP Address of the end user	Mandatory
6	TokenId	String	Token ID	Mandatory(Token Id to be echoed back from Authenticate response)
7	TrackingId	String	TrackingId	Mandatory (TrackingId to be echoed back from search response. This can be used to trace particular search/ book at TBO's end)

FARE RULES RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	FareRules[]			
1.1.1	Origin	String	Origin	Mandatory
1.1.2	Destination	String	Destination	Mandatory
1.1.3	Airline	String	Airline	Mandatory
1.1.4	FareRestriction	String	Fare restriction	Optional
1.1.5	FareBasisCode	String	Fare basis code	Mandatory
1.1.6	FareRuleDetail	String	Fare rule details	Mandatory
2	Error[]			
2.1	ErrorCode	Integer	Code corresponding to the Error	Mandatory
2.2	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 8. FARE QUOTE

This method is required to re-price the selected itinerary as well as accessed to sell/hold seats for LCC airlines. This is required to make sure that we have the updated price including tax because in some cases, the fare provided at the time of search may change.

**Service URL:-** <http://xmloutapi.tboair.com/api/v1/Detail/FareQuote>

### FareQuote Request:-

```
{
  "ResultId": "817d0c45-b4e7-44a1-84b2-43180e99a0c9",
  "IPAddress": "192.169.10.22",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "TokenId": "b25b33b9-ed4f-4b29-915b-e91ff713c4f8",
  "TrackingId": "c776c141-122c-4efb-be24-b15c9a29bfa7"
}
```

### FareQuote Response:-

```
{
  "Status": 0,
  "IsPriceChanged": false,
  "Result": [
    {
      "ResultId": "98b87ca8-021c-4e86-a6e9-80d41666de82",
      "Origin": "BOM",
      "Destination": "DEL",
      "IsLcc": true,
      "NonRefundable": false,
      "AirlineRemark": "Remarks for star Coupon.",
      "Fare": {
        "TotalFare": 57.4449820306,
        "FareType": "PUB",
        "AgentMarkup": 10,
        "OtherCharges": 0,
        "Currency": "USD",
        "ServiceFee": 0,
        "Vat": 0,
        "BaseFare": 39.2626465,
        "Tax": 8.1823355306
      },
      "FareBreakdown": [
```

```

{
  "Currency": "USD",
  "PassengerType": 1,
  "PassengerCount": 1,
  "TotalFare": 57.4449820306,
  "OtherCharges": 0,
  "AgentMarkup": 10,
  "ServiceFee": 0,
  "BaseFare": 39.2626465,
  "Tax": 8.1823355306
}
],
"LastTicketDate": null,
"TicketAdvisory": null,
"Segments": [
  [
    {
      "NoOfSeatAvailable": 15,
      "OperatingCarrier": "",
      "SegmentIndicator": 1,
      "Airline": "SG",
      "Origin": {
        "AirportCode": "BOM",
        "AirportName": "Mumbai",
        "CityCode": "BOM",
        "CityName": "Mumbai",
        "CountryCode": "IN",
        "CountryName": "India",
        "Terminal": "1"
      },
      "Destination": {
        "AirportCode": "DEL",
        "AirportName": "Indira Gandhi Airport",
        "CityCode": "DEL",
        "CityName": "Delhi",
        "CountryCode": "IN",
        "CountryName": "India",
        "Terminal": "1C"
      },
      "FlightNumber": "160",
      "DepartureTime": "2018-12-29T06:00:00",
      "ArrivalTime": "2018-12-29T08:10:00",
      "BookingClass": "C",
      "MealType": null,
      "ETicketEligible": true,
      "Craft": "737",
      "StopOver": false,

```

```

        "Stops": 0,
        "Mile": 0,
        "Duration": "02:10:00",
        "GroundTime": "00:00:00",
        "AccumulatedDuration": "02:10:00",
        "StopPoint": null,
        "StopPointArrivalTime": "0001-01-01T00:00:00",
        "StopPointDepartureTime": "0001-01-01T00:00:00",
        "IncludedBaggage": "10 Kg",
        "CabinBaggage": "7 Kg",
        "AdditionalBaggage": null,
        "AirlineDetails": {
            "AirlineCode": "SG",
            "FlightNumber": "160",
            "Craft": "737",
            "AirlineName": "SpiceJet",
            "OperatingCarrier": ""
        },
        "AirlineName": "SpiceJet"
    }
]
],
"FareRules": [
    {
        "Origin": "BOM",
        "Destination": "DEL",
        "Airline": "SG",
        "FareRestriction": "",
        "FareBasisCode": "CSAVER",
        "FareRuleDetail": "",
        "DepartureDate": "0001-01-01T00:00:00",
        "FlightNumber": null
    }
],
"ValidatingAirline": "SG",
"ResponseTime": "2018-10-24T11:02:33.1153201Z",
"JourneyType": 1
}
],
"IsSuccess": true,
"Errors": [],
"Alerts": [],
"TokenId": "92b65f7b-0f3a-4306-be90-433ec56c36bd",
"TrackingId": "1623f72d-9bed-4666-af24-9bcabb913329"
}

```

FAREQUOTE REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	ResultId	Integer	ResultId	Mandatory (Selected ResultId from search response)
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	TokenId	String	Token Id	(Token Id to be echoed back from Authenticate response)
6	TrackingId	String	TrackingId	Mandatory
7	IPAddress	String	IP Address of the end user	Mandatory

FAREQUOTE RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	TrackingId	String	TrackingId	Mandatory
2	IsPriceChanged	Boolean	Is Price changed	Mandatory(Value - true or false)
3	ResponseStatus	String	Response Status	Mandatory [NotSet = 0, Successfull = 1, Failed = 2, InvalidRequest = 3, InvalidSession = 4, InvalidCredentials = 5]
4	ResultId	String	ResultId	Mandatory
5	IsLCC	Boolean	Is the result for LCC or Non	Mandatory (Value– True or False)
6	IsRefundable	Boolean	Is the fare refundable or not	Mandatory (Value – True or False)
7	AirlineRemark	String	Airline Remark	Optional
8	Fare		Fare of search result	
9	Currency	String	Currency	Mandatory
10	Total Fare	Decimal	Total Fare	Mandatory
11	BaseFare	Decimal	Base fare	Mandatory
12	Tax	Decimal	Taxes	Mandatory



13	AgentMarkup	Decimal	Markup of the agency	Optional
14	Service Fee	Decimal	Transaction charges	Mandatory
15	OtherCharges	Decimal	Some additional charge by airline/airport	Mandatory
16	FareBreakdown		Details of fare breakup into several part. It give fare of Each Passenger Type.	Divide the base fare and tax from this array with the passanger count and then pass that fare in the ticket or book request
17	PassengerCount	Integer	Number of Passenger	Mandatory
18	PassengerType	Integer	Type of Passenger	Mandatory Adult – 1 Child – 2 Infant – 3
19	BaseFare	Decimal	Base fare	Mandatory
20	Tax	Decimal	Total tax	Mandatory
21	OtherCharges	Decimal	Airline/Airport charges	Mandatory
22	Agent Markup	Decimal	Markup	Optional
23	ServiceFee	Decimal	Transaction Charges	Mandatory
24	Total	Decimal	Total Fare	Mandatory
25	Segments[]			
26	TripIndicator	Integer	Trip Indicator	Mandatory
27	SegmentIndicator	Integer	Segment Indicator	Mandatory
28	Airline			
29	AirlineCode	String	Airline code	Mandatory
30	AirlineName	String	Airline name	Mandatory
31	FlightNumber	String	Flight Number	Mandatory
32	FareClass	String	Fare Class	Mandatory
33	OperatingCarrier	String	Operating Carrier	Mandatory
34	Origin Airport			
35	AirportCode	String	Airport code	Mandatory
36	AirportName	String	Airport name	Optional
37	Terminal	String	Terminal number	Optional
38	CityCode	String	City code	Mandatory
39	CityName	String	City name	Mandatory
40	CountryCode	String	Country code	Mandatory
41	CountryName	String	Country name	Mandatory

42	DepTime	Date Time	Departure time	Mandatory
43	Destination Airport			
44	AirportName	String	Airport name	Optional
45	Terminal	String	Terminal number	Optional
46	CityCode	String	City code	Mandatory
47	CityName	String	City name	Mandatory
48	CountryCode	String	Country code	Mandatory
49	CountryName	String	Country name	Mandatory
50	ArrivalTime	Date Time	Arrival time	Mandatory
51	Duration	Time	Duration	Optional
52	GroundTime	Time	Ground time	Optional
53	Mile	String	Miles	Optional
54	StopOver			True and False
55	StopPoint	String	Stopover point	Optional
56	StopPointArrivalTime	Date Time	Stopover arrival time	Optional
57	StopPointDepartureTime	Date Time	Stopover departure time	Optional
58	IncludedBaggage	String	Checkin Baggage	Mandatory
59	CabinBaggage	String	Cabin Baggage	Mandatory
60	AdditionalBaggage	String	Extra Baggage	Mandatory
61	Craft	String	Craft	Optional
62	IsETicketEligible	Boolean	Is E-Ticket eligible	Mandatory (Value – true or false)
63	FlightStatus	String	Flight status	Mandatory
64	Status	String	Status	Mandatory
65	LastTicketDate	Date Time	Last ticket date	Mandatory
66	TicketAdvisory	String	Ticket Advisory	Optional
67	FareRules		This is the fare rules of the flight fare offered	
68	Origin	String	Origin	Mandatory
69	Destination	String	Destination	Mandatory
70	Airline	String	Airline	Mandatory
71	FareBasisCode	String	Fare basis code	Mandatory
72	FareRuleDetail	String List	Fare rule details	Mandatory
73	FareRestriction	String	Fare restriction	Mandatory
74	ValidatingAirline	String	Validating airline	Mandatory
75	ResponseTime	String	Time of response	Mandatory
76	JourneyType	String	Type of the journey	Mandatory
77	Error			Mandatory

78	ErrorCode	Integer	Code corresponding to the error	Mandatory
79	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 9. SSR

This method is used to obtain the online prices of Special Service Request like Excess Baggage and Meal for LCC airlines like Indigo, Spice Jet, Air Asia, Air Arabia, Fly Dubai, etc. For LCC Airlines which currently do not support online SSR requests, the SSR request will not return Excess Baggage and meal charges. To avail excess baggage and meal services, the selected baggage and meal needs to be passed in the ticket request with the applicable price. The total price deducted during ticketing would be addition of Total Fare + Excess Baggage and Meal Charges.

This method is also accessed to get available meal and seat options for Non LCC airlines. For Non LCC carriers the meal and seat options received in the SSR response are indicative only and may be added in the ticket request for availing the same. The given information is passed to the GDS/ airline and depending on the availability, the same is provided to the customer. Non LCC airlines do not provide online confirmation for the meal and seat option selected by the customer.

**NOTE:-** In case of Fly Dubai and all the International LCC, the free baggage should be added from the SSR response to the ticket request then only you will be able to avail yourself with the benefit. If in case the free baggage is not selected from SSR response with Price node 0 then no free or default baggage would be provided from the airline end. For Ex : 20 kg, 30 kg and 40 kg baggage are included in the fare only until and unless you will not select the this baggage in the ticket request you will not be able to avail yourself with the same.

**NOTE:** In case of return sector, if you need to have baggage only for one segment in that case you need to add both the objects for inbound and outbound in an array format.

**Service URL:** - <http://xmloutapi.tboair.com/api/v1/Detail/GetSSR>

### SSR Request:-

```
{
  "ResultId": "817d0c45-b4e7-44a1-84b2-43180e99a0c9",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "TokenId": "b25b33b9-ed4f-4b29-915b-e91ff713c4f8",
```

```
"TrackingId": "c776c141-122c-4efb-be24-b15c9a29bfa7"
}
```

**SSR Response:-**

```
{
  "BaggageList": {
    "OutWard": [
      {
        "Code": "XBPA",
        "Description": 2,
        "Price": 35.0586009675,
        "Weight": 5,
        "Text": "5 KG",
        "WayTypeField": 2,
        "Origin": "DXB",
        "Destination": "DEL",
        "Currency": "USD",
        "FlightNumber": "24",
        "DepartureTime": "2018-12-28T18:00:00"
      },
      {
        "Code": "XBPB",
        "Description": 2,
        "Price": 70.117201935,
        "Weight": 10,
        "Text": "10 KG",
        "WayTypeField": 2,
        "Origin": "DXB",
        "Destination": "DEL",
        "Currency": "USD",
        "FlightNumber": "24",
        "DepartureTime": "2018-12-28T18:00:00"
      }
    ]
  }
}
```

```

]
},
"MealDynamicList":{
  "OutWard": [
    {
      "Code": "No Meal",
      "Description": 2,
      "AirlineDescription": "",
      "Price": 0,
      "Quantity": 0,
      "Text": "Add",
      "Destination": "DEL",
      "Origin": "DXB",
      "WayTypeField": 2,
      "Currency": "USD",
      "FlightNumber": "24",
      "DepartureTime": "2018-12-28T18:00:00"
    },
    {
      "Code": "VGML",
      "Description": 2,
      "AirlineDescription": "VEG MEAL",
      "Price": 7.08254565,
      "Quantity": 1,
      "Text": "Add",
      "Destination": "DEL",
      "Origin": "DXB",
      "WayTypeField": 2,
      "Currency": "USD",
      "FlightNumber": "24",
      "DepartureTime": "2018-12-28T18:00:00"
    },
    {

```

```

    "Code": "NVML",
    "Description": 2,
    "AirlineDescription": "NON-VEG MEAL",
    "Price": 7.08254565,
    "Quantity": 1,
    "Text": "Add",
    "Destination": "DEL",
    "Origin": "DXB",
    "WayTypeField": 2,
    "Currency": "USD",
    "FlightNumber": "24",
    "DepartureTime": "2018-12-28T18:00:00"
  }
]
},
"SeatDynamicList": null,
"SeatList": {},
"MealList": {
  "OutWard": [
    {
      "Code": "AVML",
      "Description": "Asian - Vegetarian"
    },
    {
      "Code": "BBML",
      "Description": "Baby/Infant Food"
    },
    {
      "Code": "BLML",
      "Description": "Bland"
    },
    {
      "Code": "CHML",

```

```

    "Description": "Child Food"
  },
  {
    "Code": "DBML",
    "Description": "Diabetic"
  },
  {
    "Code": "FPML",
    "Description": "Fruit Platter"
  },
  {
    "Code": "GFML",
    "Description": "Gluten Free"
  },
  {
    "Code": "HFML",
    "Description": "High Fiber"
  },
  {
    "Code": "HNML",
    "Description": "Hindu - Non Veg"
  },
  {
    "Code": "KSML",
    "Description": "Kosher"
  },
  {
    "Code": "LCML",
    "Description": "Low Calorie"
  },
  {
    "Code": "LFML",
    "Description": "Low Cholesterol/Fat"
  }

```

```

},
{
  "Code": "LPML",
  "Description": "Low Protein"
},
{
  "Code": "LSML",
  "Description": "Low Sodium/No Salt"
},
{
  "Code": "MOML",
  "Description": "Moslem"
},
{
  "Code": "NLML",
  "Description": "Non Lactose"
},
{
  "Code": "ORML",
  "Description": "Oriental"
},
{
  "Code": "PRML",
  "Description": "Low Purin"
},
{
  "Code": "RVML",
  "Description": "Raw Vegetarian"
},
{
  "Code": "SFML",
  "Description": "Seafood"
},

```



```
{
  "Code": "SPML",
  "Description": "Special Meal"
},
{
  "Code": "VGML",
  "Description": "Veg/Non Dairy"
},
{
  "Code": "VJML",
  "Description": "Vegetarian Jain"
},
{
  "Code": "VLML",
  "Description": "Veg/Milk/Eggs"
},
{
  "Code": "VOML",
  "Description": "Vegetarian Oriental"
}
]
},
"IsSuccess": true,
"Errors": [],
"Alerts": [],
"TokenId": "7a428365-3209-4814-9157-734a488f4577",
"TrackingId": "bc10f51d-e61c-47eb-a5fa-40b176004db2"
}
```

SSR REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	IPAddress	String	IP Address of the end user	Mandatory
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	TokenId	String	TokenId	Mandatory(Token Id to be echoed back from Authenticate response)
6	TrackingId	String	TrackingId	Mandatory (TrackingId to be echoed back from search response. This can be used to trace particular search/ book)
7	ResultID	String	ResultId	Mandatory

SSR Non-LCC RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
Level	Element	Format	Comments	Mandatory/ Optional
1	TrackingId	String	TrackingId	Mandatory(TrackingId to be echoed back in further requests)
2	ResponseStatus	String	Response status	Mandatory[NotSet = 0,Successfull = 1,Failed = 2,InvalidRequest = 3,InvalidSession = 4,InvalidCredentials = 5]
3	<b>Meal</b>			
3.1	Code	String	Meal code	Mandatory
3.2	Description	String	Meal description	Mandatory
4	Error			
4.1	ErrorCode	Integer	Code corresponding to the Error	Mandatory

4.2	ErrorMessage	String	Contains error message	Mandatory(Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)
-----	--------------	--------	------------------------	--

## 10. BOOK

The Book method is to hold the booking of Non LCC airlines. Every Non LCC airlines must be Hold first before proceed to ticketing while LCC airline is ticketed directly.

Price verification needs to be done before creating a booking and PNR will be returned in the case of a successful booking.

In case of Price change or Time change, you will get new fare and/or new time in Book response with IsPriceChanged node and/or IsTimeChanged node set as **'true'**.

The price comparison is to be made at the client's end, and Book request needs to be sent again with the updated fare and/ or updated time.

Passport details are optional in some of the airlines. However, if not provided in book request then the same needs to be provided in Ticket request.

**Service URL:** - <http://xmloutapi.tboair.com/api/v1/Booking/Book>

### Book Request:-

```
{
  "ResultId": "30b0d3d4-d9ff-41e6-a8e0-10ff31b2f2de",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "IN",
  "RequestOrigin": "India",
  "UserData": "Lead Passenger Name"
  "TokenId": "0d8613b0-e672-45ad-a009-dc8c403655d2",
  "TrackingId": "6abc30b5-f88b-42e9-b972-a5e7bd7080ce",
  "IPAddress": "192.168.4.238",
```

```

"Itinerary":{
  "Segments":[
    {
      "NoOfSeatAvailable": 3,
      "OperatingCarrier": "",
      "SegmentIndicator": 1,
      "Airline": "9W",
      "Origin":{
        "AirportCode": "BOM",
        "AirportName": "Mumbai",
        "CityCode": "BOM",
        "CityName": "Mumbai",
        "CountryCode": "IN",
        "CountryName": "India",
        "Terminal": "2"
      },
      "Destination": {
        "AirportCode": "NAG",
        "AirportName": "Sonegaon",
        "CityCode": "NAG",
        "CityName": "Nagpur",
        "CountryCode": "IN",
        "CountryName": "India",
        "Terminal": null
      },
      "FlightNumber": "2683",
      "DepartureTime": "2018-12-29T06:05:00",
      "ArrivalTime": "2018-12-29T07:40:00",
      "BookingClass": "O",
      "MealType": null,
      "ETicketEligible": true,
      "Craft": "73G",
      "StopOver": false,
      "Stops": 0,
      "Mile": 0,
      "Duration": "17:10:00",
      "GroundTime": "00:00:00",
      "AccumulatedDuration": "00:00:00",
      "StopPoint": null,
      "StopPointArrivalTime": "0001-01-01T00:00:00",
      "StopPointDepartureTime": "0001-01-01T00:00:00",
      "IncludedBaggage": "1 PC(s)",
      "CabinBaggage": "",
      "AdditionalBaggage": null,
      "AirlineDetails": {
        "AirlineCode": "9W",
        "FlightNumber": "2683",

```

```

    "Craft": "73G",
    "AirlineName": "Jet Airways",
    "OperatingCarrier": ""
  },
  "AirlineName": "Jet Airways"
},
{
  "NoOfSeatAvailable": 3,
  "OperatingCarrier": "9W",
  "SegmentIndicator": 1,
  "Airline": "9W",
  "Origin": {
    "AirportCode": "NAG",
    "AirportName": "Sonegaon",
    "CityCode": "NAG",
    "CityName": "Nagpur",
    "CountryCode": "IN",
    "CountryName": "India",
    "Terminal": null
  },
  "Destination": {
    "AirportCode": "DEL",
    "AirportName": "Indira Gandhi Airport",
    "CityCode": "DEL",
    "CityName": "Delhi",
    "CountryCode": "IN",
    "CountryName": "India",
    "Terminal": "3"
  },
  "FlightNumber": "3534",
  "DepartureTime": "2018-12-29T21:35:00",
  "ArrivalTime": "2018-12-29T23:15:00",
  "BookingClass": "O",
  "MealType": null,
  "ETicketEligible": true,
  "Craft": "73H",
  "StopOver": false,
  "Stops": 0,
  "Mile": 0,
  "Duration": "17:10:00",
  "GroundTime": "00:00:00",
  "AccumulatedDuration": "17:10:00",
  "StopPoint": null,
  "StopPointArrivalTime": "0001-01-01T00:00:00",
  "StopPointDepartureTime": "0001-01-01T00:00:00",
  "IncludedBaggage": "1 PC(s)",
  "CabinBaggage": ""

```

```

        "AdditionalBaggage": null,
        "AirlineDetails": {
            "AirlineCode": "9W",
            "FlightNumber": "3534",
            "Craft": "73H",
            "AirlineName": "Jet Airways",
            "OperatingCarrier": "9W"
        },
        "AirlineName": "Jet Airways"
    }
},
"Passenger": [
    {
        "PassportIssueCountryCode": null,
        "PassportIssueDate": "0001-01-01T00:00:00",
        "Title": "Mr",
        "FirstName": "amanshubh",
        "LastName": "localxml",
        "Mobile1": "971-9874589652",
        "Mobile1CountryCode": "971",
        "Mobile2": null,
        "IsLeadPax": true,
        "DateOfBirth": "1986-06-18T00:00:00",
        "Type": 1,
        "PassportNo": "sdasd",
        "PassportExpiry": "2019-11-28T00:00:00",
        "Nationality": {
            "CountryCode": "AE",
            "CountryName": "United Arab Emirates"
        },
        "Country": {
            "CountryCode": "AE",
            "CountryName": "United Arab Emirates"
        },
        "City": {
            "CountryCode": null,
            "CityCode": "QAJ",
            "CityName": "Ajman City"
        },
        "AddressLine1": "Ajman City United Arab Emirates",
        "AddressLine2": "United Arab Emirates",
        "Gender": 1,
        "Email": "aman@techmaster.in",
        "Meal": null,
        "Seat": null,
        "Fare": {
            "TotalFare": 141.43336940839627131118376893,

```

```
"FareType": "RP",
"AgentMarkup": 10,
"OtherCharges": 0,
"AgentPreferredCurrency": "USD",
"ServiceFee": 5,
"Vat": 0,
"BaseFare": 24.080389539007758281120443044,
"Tax": 102.35297986938851303006332589
},
"FFAirline": null,
"FFNumber": null,
"TboAirPaxId": 0,
"PaxBaggage": [],
"PaxMeal": [],
"IDCardNo": null,
"ZipCode": null,
"PaxSeat": null,
"Ticket": null
}
],
"FareRules": [
{
"Origin": "BOM",
"Destination": "NAG",
"Airline": "9W",
"FareRestriction": "Y",
"FareBasisCode": "O2IPO",
"FareRuleDetail": "<b>These Are Non Refundable Fares.</b><br><ul><li><b>There is no Minimum Stay requirement</b><br><li><b>There is no Maximum Stay requirement</b><br></ul><fieldset><legend><b><b>Adult</b></b><br><br>",
"DepartureDate": "2018-12-29T06:05:00",
"FlightNumber": "2683"
},
{
"Origin": "NAG",
"Destination": "DEL",
"Airline": "9W",
"FareRestriction": "Y",
"FareBasisCode": "O2IPO",
"FareRuleDetail": "Please refer above.<br><br>",
"DepartureDate": "2018-12-29T21:35:00",
"FlightNumber": "3534"
}
]
,"Destination": "DEL",
"FareType": "PUBL",
>LastTicketDate": null,
```

```

"Origin": "BOM",
"CreatedOn": "0001-01-01T00:00:00",
"FailedBookingId": 0,
"ValidatingAirlineCode": "9W",
"IsDomestic": false,
"AirlineCode": null,
"TravelDate": "2018-12-29T23:35:00",
"NonRefundable": false,
"AgentRefNo": null,
"IsLcc": false,
"AirlineRemark": "",
"SearchType": 1,
"OnBehalfOf": 0,
"EarnedLoyaltyPoints": 0,
"TripName": "ShubhamSS SharmaSS Trip",
"StaffRemarks": null,
"PricingKeyDetail": null,
"SSRData": null
}
}

```

#### **Book Response:-**

```

{
  "SSRDenied": false,
  "SSRMessage": "",
  "PNR": "MFVB3U",
  "Status": 5,
  "ChangeInItinerary": {
    "IsArrivalTimeChanged": false,
    "IsDepartureTimeChanged": false,
    "IsPriceChanged": true
  },
  "Itinerary": {
    "Segments": [
      {
        "NoOfSeatAvailable": 3,
        "OperatingCarrier": "",
        "SegmentIndicator": 1,
        "Airline": "9W",
        "Origin": {
          "AirportCode": "BOM",
          "AirportName": "Mumbai",
          "CityCode": "BOM",
          "CityName": "Mumbai",
          "CountryCode": "IN",

```



```

    "CountryName": "India",
    "Terminal": "2"
  },
  "Destination": {
    "AirportCode": "NAG",
    "AirportName": "Sonegaon",
    "CityCode": "NAG",
    "CityName": "Nagpur",
    "CountryCode": "IN",
    "CountryName": "India",
    "Terminal": null
  },
  "FlightNumber": "2683",
  "DepartureTime": "2018-12-29T06:05:00",
  "ArrivalTime": "2018-12-29T07:40:00",
  "BookingClass": "O",
  "MealType": null,
  "ETicketEligible": true,
  "Craft": "73G",
  "StopOver": false,
  "Stops": 0,
  "Mile": 0,
  "Duration": "17:10:00",
  "GroundTime": "00:00:00",
  "AccumulatedDuration": "00:00:00",
  "StopPoint": null,
  "StopPointArrivalTime": "0001-01-01T00:00:00",
  "StopPointDepartureTime": "0001-01-01T00:00:00",
  "IncludedBaggage": "1 PC(s)",
  "CabinBaggage": "",
  "AdditionalBaggage": null,
  "AirlineDetails": {
    "AirlineCode": "9W",
    "FlightNumber": "2683",
    "Craft": "73G",
    "AirlineName": "Jet Airways",
    "OperatingCarrier": ""
  },
  "AirlineName": "Jet Airways"
},
{
  "NoOfSeatAvailable": 3,
  "OperatingCarrier": "9W",
  "SegmentIndicator": 1,
  "Airline": "9W",
  "Origin": {
    "AirportCode": "NAG",

```

```

    "AirportName": "Sonegaon",
    "CityCode": "NAG",
    "CityName": "Nagpur",
    "CountryCode": "IN",
    "CountryName": "India",
    "Terminal": null
  },
  "Destination": {
    "AirportCode": "DEL",
    "AirportName": "Indira Gandhi Airport",
    "CityCode": "DEL",
    "CityName": "Delhi",
    "CountryCode": "IN",
    "CountryName": "India",
    "Terminal": "3"
  },
  "FlightNumber": "3534",
  "DepartureTime": "2018-12-29T21:35:00",
  "ArrivalTime": "2018-12-29T23:15:00",
  "BookingClass": "O",
  "MealType": null,
  "ETicketEligible": true,
  "Craft": "73H",
  "StopOver": false,
  "Stops": 0,
  "Mile": 0,
  "Duration": "17:10:00",
  "GroundTime": "00:00:00",
  "AccumulatedDuration": "17:10:00",
  "StopPoint": null,
  "StopPointArrivalTime": "0001-01-01T00:00:00",
  "StopPointDepartureTime": "0001-01-01T00:00:00",
  "IncludedBaggage": "1 PC(s)",
  "CabinBaggage": "",
  "AdditionalBaggage": null,
  "AirlineDetails": {
    "AirlineCode": "9W",
    "FlightNumber": "3534",
    "Craft": "73H",
    "AirlineName": "Jet Airways",
    "OperatingCarrier": "9W"
  },
  "AirlineName": "Jet Airways"
}
],
"Passenger": [
  {

```

```
"PassportIssueCountryCode": null,
"PassportIssueDate": "0001-01-01T00:00:00",
"Title": "Mr",
"FirstName": "amanshubh",
"LastName": "localxml",
"Mobile1": "971-9874589652",
"Mobile1CountryCode": "971",
"IsLeadPax": true,
"DateOfBirth": "1986-06-18T00:00:00",
"Type": 1,
"PassportNo": "sdasd",
"Nationality": {
  "CountryCode": "AE",
  "CountryName": "United Arab Emirates"
},
"Country": {
  "CountryCode": "AE",
  "CountryName": "United Arab Emirates"
},
"City": {
  "CountryCode": null,
  "CityCode": "QAJ",
  "CityName": "Ajman City"
},
"AddressLine1": "Ajman City United Arab Emirates",
"AddressLine2": "United Arab Emirates",
"Gender": 1,
"Email": "aman@techmaster.in",
"Meal": null,
"Seat": null,
"Fare": {
  "TotalFare": 83.99732281703125,
  "FareType": "RP",
  "AgentMarkup": 10,
  "OtherCharges": 2.1653334235,
  "AgentPreferredCurrency": "USD",
  "ServiceFee": 3.52368203890625,
  "BaseFare": 37.54499055125,
  "Tax": 30.763316803375
},
"FFAirline": null,
"FFNumber": null,
"PassportExpiry": "2019-11-28T00:00:00",
"PaxBaggage": [],
"PaxMeal": [],
"IDCardNo": null,
"ZipCode": null,
```

```

        "PaxSeat": null,
        "Ticket": null
    }
],
"FareRules": [
    {
        "Origin": "BOM",
        "Destination": "NAG",
        "Airline": "9W",
        "FareRestriction": "Y",
        "FareBasisCode": "O2IPO",
        "FareRuleDetail": "<b>These Are Non Refundable Fares.</b></br><ul><li><b>There is no Minimum Stay
requirement</b><br><li><b>There is no Maximum Stay
requirement</b><br><fieldset><legend><b><b>Adult</b></b><br>",
        "DepartureDate": "2018-12-29T06:05:00",
        "FlightNumber": "2683"
    },
    {
        "Origin": "NAG",
        "Destination": "DEL",
        "Airline": "9W",
        "FareRestriction": "Y",
        "FareBasisCode": "O2IPO",
        "FareRuleDetail": "Please refer above.<br><br>",
        "DepartureDate": "2018-12-29T06:05:00",
        "FlightNumber": "3534"
    }
],
"PNR": "MFVB3U",
"Destination": "DEL",
"LastTicketDate": "2018-10-25T00:00:00",
"Origin": "BOM",
"CreatedOn": "0001-01-01T00:00:00",
"ValidatingAirlineCode": "9W",
"IsDomestic": true,
"AirlineCode": null,
"NonRefundable": false,
"IsLcc": false,
"AirlineRemark": ""
},
"IsSuccess": true,
"Errors": [],
"Alerts": [],
"TokenId": "0d8613b0-e672-45ad-a009-dc8c403655d2",
"TrackingId": "6abc30b5-f88b-42e9-b972-a5e7bd7080ce"
}

```

Book REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	IPAddress	String	IP Address of the end user	Mandatory
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	UserData	String	Lead Passenger Name	Mandatory
6	TokenId	String	TokenId	Mandatory
7	TrackingId	String	Tracking Id	Mandatory
8	ResultId	String	ResultId	Mandatory
9	<b>Passengers[]</b>			Mandatory
9.1	Title	String	Title	Mandatory
9.2	FirstName	String	First name	Mandatory
9.3	LastName	String	Last name	Mandatory
9.4	PaxType	String	Pax type	Mandatory
9.5	DateOfBirth	Date Time	Date of birth	Optional
9.6	Gender	String	Gender	Mandatory
9.7	PassportNo	String	Passport no	Optional
9.8	PassportExpiry	Date time	Passport expiry	Optional
9.9	AddressLine1	String	Address	Mandatory
9.10	City	String	City	Mandatory
9.11	CountryCode	String	Country code	Mandatory
9.12	CountryName	String	Country name	Mandatory
9.13	ContactNo	String	Contact no	Mandatory
9.14	Email	String	Email	Mandatory
9.15	IsLeadPax	Boolean	Represent the lead guest of the booking	Mandatory (Value True/ False)
9.16	FFAirline	String	FF airline	Optional
9.17	FFNumber	String	FF number	Optional
10	<b>Fare</b>			
10.1	BaseFare	Decimal	Base fare	Mandatory
10.2	Tax	Decimal	Tax	Mandatory
10.3	Service Fee	Decimal	Transaction fee	Mandatory
11	<b>Meal</b>			

11.1	Code	String	Meal code	Optional
11.2	Description	String	Meal description	Optional
12	<b>Seat</b>			
12.1	Code	String	Seat code	Optional
12.2	Description	String	Seat description	Optional

Book RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	IsPriceChanged	Boolean	Represents whether price has changed or not	Mandatory (Value - True/ False)
2	IsTimeChanged	Boolean	Represents whether time has changed or not	Mandatory (Value - True/ False)
3	SSRDenied	String	SSR denied	Mandatory
4	SSRMessage	String	SSRMessage	Optional
5	Status	String	Status	Mandatory[NotSet = 0, Successful = 1, Failed = 2, OtherFare = 3, OtherClass = 4, BookedOther = 5, NotConfirmed = 6]
6	FlightItinerary			
7	BookingId	Integer	Unique booking id	Mandatory
8	PNR	String	PNR no	Mandatory
9	IsDomestic	Boolean	Search Request is for domestic or international	Mandatory(Value – True or False)
10	Source	String	Airline Source	Mandatory
11	Origin	String	Origin	Mandatory
12	Destination	String	Destination	Mandatory
13	AirlineCode	String	Airline Code	Mandatory
14	ValidatingAirlineCode	String	Validating airline code	Mandatory
15	AirlineRemarks	String	Airline Remarks	Optional

16	IsLCC	Boolean	Is the result for LCC or Non LCC	Mandatory(Value – True or False)
17	NonRefundable	Boolean	Is the fare refundable or	Mandatory
18	FareType	String	FareType	Mandatory
19	Fare		Fare of search resultr	
20	Currency	String	Currency	Mandatory
21	BaseFare	Decimal	Base fare	Mandatory
22	Tax	Decimal	Total tax	Mandatory
23	OtherCharges	Decimal	Other Charges	Mandatory
24	Passenger[]			
25	PaxID	Integer	Unique pax id	Mandatory
26	Title	String	Title	Mandatory
27	FirstName	String	First Name	Mandatory
28	LastName	String	Last Name	Mandatory
29	PaxType	String	Pax Type	Mandatory
30	DateOfBirth	Date Time	Date of birth	Optional
31	Gender	String	Gender	Mandatory
32	PassportNo	String	Passport no	Optional
33	PassportExpiry	Date time	Passport expiry	Optional
34	AddressLine1	String	Address	Mandatory
35	City	String	City	Mandatory
36	CountryCode	String	Country Code	Mandatory
37	CountryName	String	Country Name	Mandatory
38	ContactNo	String	Contact No	Mandatory
39	Email	String	Email	Mandatory
40	IsLeadPax	Boolean	Represent the lead guest of the booking	Mandatory(Value - True/ False)
41	FFAirlineCode	String	FF airline	Optional
42	FFNumber	String	FF number	Optional
43	Fare			
44	Currency	String	Currency	Mandatory
45	BaseFare	Decimal	Base fare	Mandatory
46	Tax	Decimal	Total tax	Mandatory
47	OtherCharges	Decimal	Other Charge	Mandatory
48	IPAddress	String	IP Address of the end user	Mandatory
49	AgentMarkUp	Decimal	Agent Mark-up	Mandatory
50	ServiceFee	Decimal	Service Fee	Mandatory

51	Meal			
52	Code	String	Meal code	Optional
53	Description	String	Meal description	Optional
54	Seat			
55	Code	String	Seat code	Optional
56	Description	String	Seat description	Optional
57	Segments			
58	TripIndicator	Integer	Trip Indicator	Mandatory
59	SegmentIndicator	Integer	Segment Indicator	Mandatory
60	AirlineCode	String	Airline code	Mandatory
61	AirlineName	String	Airline name	Mandatory
62	FlightNumber	String	Flight Number	Mandatory
63	FareClass	String	Fare Class	Mandatory
64	OperatingCarrier	String	OperatingCarrier	Mandatory
65	Origin			
66	Airport			
67	AirportCode	String	Airport Code	Mandatory
68	AirportName	String	Airport Name	Optional
69	Terminal	String	Terminal number	Optional
70	CityCode	String	City code	Mandatory
71	CityName	String	City name	Mandatory
72	CountryCode	String	CountryCode	Mandatory
73	CountryName	String	CountryName	Mandatory
74	DepTime	Date Time	Departure time	Mandatory
75	Destination			
76	Airport			
77	AirportCode	String	Airport code	Mandatory
78	AirportName	String	Airport Name	Optional
79	Terminal	String	Terminal number	Optional
80	CityCode	String	City code	Mandatory
81	CityName	String	City Name	Mandatory
82	CountryCode	String	Country Code	Mandatory
83	CountryName	String	Country Name	Mandatory
84	ArrTime	Date Time	Arrival time	Mandatory
85	AirlinePNR	String	Airline pnr	Optional
86	AccumulatedDuration	Time	Accumulated duration	Optional
87	Duration	Time	Duration	Optional



88	GroundTime	Time	Ground time	Optional
89	Mile	String	Miles	Optional
90	StopOver			
91	StopPoint	String	Stopover point	Optional
92	StopPointArrivalTime	Date Time	Stopover arrival time	Optional
93	StopPointDepartureTime	Date Time	Stopover departure time	Optional
94	Craft	String	Craft	Optional
95	IsETicketEligible	Boolean	Is E-Ticket eligible	Mandatory
96	EndUserIp	String	IP Address of the end user	Mandatory
97	FlightStatus	String	Flight status	Mandatory
98	Status	String	Flight status code	Mandatory
99	TicketAdvisory	String	Ticket Advisory	Optional
100	FareRules		This is the fare rules of the flight fare offeredr	
101	Origin	String	Origin	Mandatory
102	Destination	String	Destination	Mandatory
103	Airline	String	Airline	Mandatory
104	FareBasisCode	String	Fare Basis Code	Mandatory
105	FareRuleDetail	String List	Fare Rule Detail	Mandatory
106	FareRestriction	String	FareRestriction	Mandatory

## 11. TICKET

This method is to be called to generate ticket for both LCCs and Non LCCs (already booked itinerary). Price verification is done before creating a booking/ ticket and PNR is returned in case of a successful booking.

In case of Price change or Time change, you will get new fare and/or new time in Ticket response with IsPriceChanged node and/or IsTimeChanged node set as 'true'.

The price comparison is to be made at the client's end, and Ticket request needs to be sent again with the updated fare and/ or updated time.

In case of Non LCC bookings, Passport details aren't mandatory in the book response, then the same needs to be provided when calling ticket method wherever applicable.

**Service URL: - <http://xmloutapi.tboair.com/api/v1/Booking/Ticket>**

### **Ticket Request:-**

Ticket request:

```
{
  "ResultId": "4816cc34-d38d-43bf-9c34-79143ae0d012",
  "EndUserBrowserAgent": "Mozilla/5.0(Windows NT 6.1)",
  "PointOfSale": "AE",
  "RequestOrigin": "United Arab Emirates",
  "UserData": "Lead Passenger Name",
  "TokenId": "af8ce3f0-ad19-4fb2-9ea6-a9132e15b019",
  "TrackingId": "8e617bc9-1a09-4530-9a07-bf8266d982a3",
  "IPAddress": "192.168.10.20",
  "Itinerary": {
    "Segments": [
      {
        "NoOfSeatAvailable": 0,
        "OperatingCarrier": "EK",
        "SegmentIndicator": 0,
        "Airline": "EK",
        "Origin": {
          "AirportCode": "DXB",
          "AirportName": "Dubai",
          "CityCode": "DXB",
          "CityName": "Dubai",
          "CountryCode": "AE",
          "CountryName": null,
          "Terminal": "3"
        }
      }
    ]
  }
}
```

```

    },
    "Destination": {
      "AirportCode": "DEL",
      "AirportName": "Indira Gandhi Airport",
      "CityCode": "DEL",
      "CityName": "Delhi",
      "CountryCode": "IN",
      "CountryName": null,
      "Terminal": "3"
    },
    "FlightNumber": "510",
    "DepartureTime": "2018-12-29T04:30:00",
    "ArrivalTime": "2018-12-29T09:10:00",
    "BookingClass": "K",
    "MealType": null,
    "ETicketEligible": true,
    "Craft": "77W",
    "StopOver": false,
    "Stops": 0,
    "Mile": 0,
    "Duration": "03:10:00",
    "GroundTime": "00:00:00",
    "AccumulatedDuration": "00:00:00",
    "StopPoint": null,
    "StopPointArrivalTime": "0001-01-01T00:00:00",
    "StopPointDepartureTime": "0001-01-01T00:00:00",
    "IncludedBaggage": null,
    "CabinBaggage": null,
    "AdditionalBaggage": null,
    "AirlineDetails": {
      "AirlineCode": null,
      "FlightNumber": null,
      "Craft": null,
      "AirlineName": null,
      "OperatingCarrier": null
    },
    "AirlineName": "Emirates Airlines"
  }],
  "Passenger": [
    {
      "PassportIssueCountryCode": null,
      "PassportIssueDate": "0001-01-01T00:00:00",
      "Title": "Mr",
      "FirstName": "intxmlnew",
      "LastName": "pricchk",
      "Mobile1": "91-9011798899",
      "Mobile1CountryCode": "91",

```

```
"IsLeadPax": true,
"DateOfBirth": "2001-06-18T00:00:00",
"Type": 1,
"PassportNo": "AGXPJ9003",
"Nationality": {
  "CountryCode": "IN",
  "CountryName": null
},
"Country": {
  "CountryCode": "IN",
  "CountryName": "India"
},
"City": {
  "CountryCode": "IN",
  "CityCode": "DEL",
  "CityName": "Delhi"
},
"AddressLine1": "Delhi ",
"AddressLine2": null,
"Gender": 1,
"Email": "aman@techmaster.in",
"Meal": {
  "Code": null,
  "Description": null
},
"Seat": {
  "Code": null,
  "Description": null
},
"Fare": {
  "TotalFare": 591.3546,
  "FareType": "PUBL",
  "AgentMarkup": 0,
  "OtherCharges": 0,
  "AgentPreferredCurrency": "USD",
  "ServiceFee": 300,
  "BaseFare": 187.8829,
  "Tax": 103.4717
},
"FFAirline": null,
"FFNumber": null,
"PassportExpiry": "2029-07-15T00:00:00",
"PaxBaggage": [],
"PaxMeal": [],
"IDCardNo": null,
"ZipCode": null,
"PaxSeat": null,
```

```

    "Ticket": {
      "TicketId": 0,
      "TicketNumber": null,
      "Remarks": null,
      "ValidatingAirline": null,
      "IssueDate": "0001-01-01T00:00:00",
      "Status": null,
      "PtcDetail": null
    }
  },
  "FareRules": [
    {
      "Origin": "DXB",
      "Destination": "DEL",
      "Airline": "EK",
      "FareRestriction": "Y",
      "FareBasisCode": "KXOWSAE1",
      "FareRuleDetail": "<ul><li><b>Advance Purchase</b><br>Fare Component <b>KXOWSAE1</b>&emsp;Sector  
<b>DXB-DEL</b> &nbsp;  <ul><li>Earliest reservation date before departure <b>No restriction</b>",
      "DepartureDate": "2018-12-29T04:30:00",
      "FlightNumber": null
    }
  ],
  "PNR": "MMQUO7",
  "InactivePNR": null,
  "Destination": "DEL",
  "FareType": "PUBL",
  "LastTicketDate": "2018-10-31T00:00:00",
  "Origin": "DXB",
  "CreatedOn": "0001-01-01T00:00:00",
  "ValidatingAirlineCode": "EK",
  "IsDomestic": false,
  "AirlineCode": null,
  "TravelDate": "2018-12-29T13:00:00",
  "NonRefundable": false,
  "IsLcc": false,
  "AirlineRemark": "",
  "SearchType": 1,
  "TrackingId": "8e617bc9-1a09-4530-9a07-bf8266d982a3",
  "StaffRemarks": null
},
  "PNR": "MMQUO7",
  "ConfirmPriceChangeTicket": false
}

```

### **Ticket Response:-**

```
{
  "PNR": "MMQUO7",
  "Status": 1,
  "ChangeInItinerary": null,
  "PaymentStatus": "true",
  "WalletAction": 4,
  "Itinerary": {
    "Segments": [
      {
        "NoOfSeatAvailable": 0,
        "OperatingCarrier": "EK",
        "SegmentIndicator": 0,
        "Airline": "EK",
        "Origin": {
          "AirportCode": "DXB",
          "AirportName": "Dubai",
          "CityCode": "DXB",
          "CityName": "Dubai",
          "CountryCode": "AE",
          "CountryName": null,
          "Terminal": "3 "
        },
        "Destination": {
          "AirportCode": "DEL",
          "AirportName": "Indira Gandhi Airport",
          "CityCode": "DEL",
          "CityName": "Delhi",
          "CountryCode": "IN",
          "CountryName": null,
          "Terminal": "3 "
        },
        "FlightNumber": "510",
        "DepartureTime": "2018-12-29T04:30:00",
        "ArrivalTime": "2018-12-29T09:10:00",
        "BookingClass": "K",
        "MealType": null,
        "ETicketEligible": true,
        "Craft": "77W",
        "StopOver": false,
        "Stops": 0,
        "Mile": 0,
        "Duration": "03:10:00",
        "GroundTime": "00:00:00",
        "AccumulatedDuration": "00:00:00",
        "StopPoint": null,
      }
    ]
  }
}
```

```

"StopPointArrivalTime": "0001-01-01T00:00:00",
"StopPointDepartureTime": "0001-01-01T00:00:00",
"IncludedBaggage": "30 Kg",
"CabinBaggage": null,
"AdditionalBaggage": null,
"AirlineDetails": {
  "AirlineCode": null,
  "FlightNumber": null,
  "Craft": null,
  "AirlineName": null,
  "OperatingCarrier": null
},
"AirlineName": "Emirates Airlines"
},
],
"Passenger": [
{
  "PassportIssueCountryCode": null,
  "PassportIssueDate": "0001-01-01T00:00:00",
  "Title": "Mr",
  "FirstName": "intxmlnew",
  "LastName": "pricchk",
  "Mobile1": "91-9011798899",
  "Mobile1CountryCode": "91",
  "IsLeadPax": true,
  "DateOfBirth": "2001-06-18T00:00:00",
  "Type": 1,
  "PassportNo": "AGXPJ9003",
  "Nationality": {
    "CountryCode": "IN",
    "CountryName": null
  },
  "Country": {
    "CountryCode": "IN",
    "CountryName": "India"
  },
  "City": {
    "CountryCode": "IN",
    "CityCode": "DEL",
    "CityName": "Delhi"
  },
  "AddressLine1": "Delhi ",
  "AddressLine2": null,
  "Gender": 1,
  "Email": "aman@techmaster.in",
  "Meal": {
    "Code": null,

```

```

    "Description": null
  },
  "Seat": {
    "Code": null,
    "Description": null
  },
  "Fare": {
    "TotalFare": 591.3546,
    "FareType": "PUBL",
    "AgentMarkup": 0,
    "OtherCharges": 0,
    "AgentPreferredCurrency": "USD",
    "ServiceFee": 300,
    "BaseFare": 187.8829,
    "Tax": 103.4717
  },
  "FFAirline": null,
  "FFNumber": null,
  "PassportExpiry": "2029-07-15T00:00:00",
  "PaxBaggage": [],
  "PaxMeal": [],
  "IDCardNo": null,
  "ZipCode": null,
  "PaxSeat": null,
  "Ticket": {
    "TicketId": 1498,
    "TicketNumber": "2548585491",
    "Remarks": "",
    "ValidatingAirline": "176",
    "IssueDate": "2018-10-26T11:28:11.537",
    "Status": "OK",
    "PtcDetail": null
  }
},
" FareRules": [
  {
    "Origin": "DXB",
    "Destination": "DEL",
    "Airline": "EK",
    "FareRestriction": "Y",
    "FareBasisCode": "KXOWSAE1",
    "FareRuleDetail": "<ul><li><b>Advance Purchase</b><br>Fare Component <b>KXOWSAE1</b>&emsp; Sector  
<b>DXB-DEL</b> &nbsp;<br><ul><ul>",
    "DepartureDate": "2018-12-29T04:30:00",
    "FlightNumber": null
  }
]

```



```
    ],  
    "PNR": "MMQUO7",  
    "Destination": "DEL",  
    "LastTicketDate": "2018-10-29T22:00:00",  
    "Origin": "DXB",  
    "CreatedOn": "2018-10-26T11:25:32.3",  
    "ValidatingAirlineCode": "EK",  
    "IsDomestic": false,  
    "AirlineCode": null,  
    "NonRefundable": false,  
    "IsLcc": false,  
    "AirlineRemark": null  
  },  
  "IsSuccess": true,  
  "Errors": [],  
  "Alerts": [],  
  "TokenId": "af8ce3f0-ad19-4fb2-9ea6-a9132e15b019",  
  "TrackingId": "8e617bc9-1a09-4530-9a07-bf8266d982a3"  
}
```

Ticket REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	IPAddress	String	IP Address of the end user	Mandatory
2	EndUserBrowserAgent	String	Browser Information	Mandatory
3	PointOfSale	String	Origin Country code	Mandatory
4	RequestOrigin	String	Origin Country	Mandatory
5	UserData	String	Lead Passenger Name	Mandatory
6	TokenId	String	Token ID	Mandatory
7	TrackingId	String	Tracking Id	Mandatory
8	ResultId	String	ResultId	Mandatory
9	<b>Passengers[]</b>			Mandatory
9.1	Title	String	Title	Mandatory
9.2	FirstName	String	First name	Mandatory
9.3	LastName	String	Last name	Mandatory
9.4	PaxType	String	Pax type	Mandatory
9.5	DateOfBirth	Date Time	Date of birth	Optional
9.6	Gender	String	Gender	Mandatory
9.7	PassportNo	String	Passport no	Optional
9.8	PassportExpiry	Date time	Passport expiry	Optional
9.9	AddressLine1	String	Address	Mandatory
9.10	City	String	City	Mandatory
9.11	CountryCode	String	Country code	Mandatory
9.12	CountryName	String	Country name	Mandatory
9.13	ContactNo	String	Contact no	Mandatory
9.14	Email	String	Email	Mandatory
9.15	IsLeadPax	Boolean	Represent the lead guest of the booking	Mandatory (Value True/False)
9.16	FFAirline	String	FF airline	Optional
9.17	FFNumber	String	FF number	Optional
10	<b>Fare</b>			
10.1	BaseFare	Decimal	Base fare	Mandatory
10.2	Tax	Decimal	Tax	Mandatory
10.3	Service Fee	Decimal	Transaction fee	Mandatory
11	<b>Baggage</b>			
11.1	WayType	Enumeration	Way type	[NotSet = 0,Segment = 1,FullJourney = 2]

11.2	Code	String	Baggage code	Mandatory
11.3	Description	String	Description	Mandatory([NotSet = 0,Included = 1,Direct = 2,Imported = 3,Upgrade = 4,ImportedUpgrade = 5]In case of Included, baggage can be upgraded (if upgrade baggage option exists)And In case of Direct, baggage can't be upgraded.)
11.4	Weight	String	Baggage weight	Mandatory
11.5	Currency	String	Currency	Mandatory
11.5	Price	Decimal	Baggage price	Mandatory
11.6	Origin	String	String	Mandatory
11.7	Destination	String	Destination	Mandatory
12	<b>MealDynamic</b>			
12.1	WayType	Enumeration	Way Type	Mandatory[NotSet = 0,Segment = 1FullJourney = 2]
12.2	Code	String	Meal Code	Mandatory
12.3	Description	String	Description	Mandatory([NotSet = 0,Included = 1,Direct = 2,Imported = 3,Upgrade = 4,ImportedUpgrade = 5] In case of Included, baggage can be upgraded (if upgrade baggage option exists)And In case of Direct, baggage can't be upgraded.)
12.4	AirlineDescription	String	Meal description	Mandatory
12.5	Quantity	String	Meal quantity	Mandatory
12.6	Price	Decimal	Meal Price	Mandatory
12.7	Currency	String	Currency	Mandatory
12.8	Origin	String	Origin	Mandatory
12.9	Destination	String	Destination	Mandatory

Ticket RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	IsPriceChanged	Boolean	Represents whether price has changed or not	Mandatory (Value - True/ False)
2	IsTimeChanged	Boolean	Represents whether time has changed or not	Mandatory (Value - True/ False)
3	PNR	String	PNR number	Mandatory
4	BookingId	Integer	Unique booking id	Mandatory
5	SSRDenied	String	SSR denied	Mandatory
6	SSRMessage	String	SSR message	Optional
7	FlightItinerary			
8	BookingId	Integer	Unique booking id	Mandatory
9	PNR	String	PNR no	Mandatory
10	IsDomestic	Boolean	Search request is for domestic or international	Mandatory
11	Source	String	Airline source	Mandatory
12	Origin	String	Origin	Mandatory
13	Destination	String	Destination	Mandatory
14	AirlineCode	String	Airline code	Mandatory
15	ValidatingAirlineCode	String	Validating airline code	Mandatory
16	AirlineRemarks	String	Airline remarks	Optional
17	IsLCC	Boolean	Is the result for LCC or Non LCC	Mandatory
18	NonRefundable	Boolean	Is the fare refundable or not	Mandatory
19	FareType	String	Fare type	Mandatory
20	Fare			
21	Currency	String	Currency	Mandatory
22	BaseFare	Decimal	Base fare	Mandatory
23	Tax	Decimal	Total tax	Mandatory
24	OtherCharges	String	Other Charges	Mandatory

25	ServiceFee[]	Decimal	Service fee	Mandatory
26	Passenger[]			
27	PaxID[]	Integer	Unique pax id	Mandatory
28	Title	String	Title	Mandatory
29	FirstName	String	First Name	Mandatory
30	LastName	String	Last Name	Mandatory
31	PaxType	String	Pax Type	Mandatory
32	DateOfBirth	Date Time	Date of birth	Mandatory
33	Gender	String	Gender	Mandatory
34	PassportNo	String	Passport no	Optional
35	PassportExpiry	Date time	Passport expiry	Optional
36	AddressLine1	String	Address	Mandatory
37	AddressLine2	String	Address	Optional
38	City	String	City	Mandatory
39	CountryCode	String	Country Code	Mandatory
40	CountryName	String	Country Name	Mandatory
41	ContactNo	String	Contact No	Mandatory
42	Email	String	Email	Mandatory
43	IsLeadPax	Boolean	Represent the lead guest of the booking	Mandatory(Value - True/ False)
44	FFAirlineCode	String	FF airline	Optional
45	FFNumber	String	FF number	Optional
46	Fare			
47	Currency	String	Currency	Mandatory
48	BaseFare	Decimal	Base fare	Mandatory
49	Tax	Decimal	Total tax	Mandatory
50	<b>Baggage[]</b>			
51	WayType	Enumeration	Way type	Mandatory
52	Code	String	Baggage code	Mandatory
53	Description	String	Baggage description	Mandatory
54	Weight	String	Baggage weight	Mandatory
55	Currency	String	Currency	Mandatory
56	Price	Decimal	Baggage price	Mandatory
57	Origin	String	Origin	Mandatory
58	Destination	String	Destination	Mandatory
59	MealDynamic			
60	WayType	Enumeration	Way type	Mandatory
61	Code	String	Meal code	Mandatory
62	Description	String	Description	Mandatory

63	AirlineDescription	String	Meal description	Mandatory
64	Quantity	String	Meal quantity	Mandatory
65	Price	Decimal	Meal price	Mandatory
66	Currency	String	Currency	Mandatory
67	Origin	String	Origin	Mandatory
68	Destination	String	Destination	Optional
69	<b>Ticket</b>			
70	TicketId	Integer	Unique ticket id	Mandatory
71	TicketNumber	String	Ticket number	Mandatory
72	IssueDate	Date time	Ticket issue date	Mandatory
73	ValidatingAirline	String	Validating airline	Mandatory
74	Remarks	String	Remarks	Mandatory
75	ServiceFeeDisplayType	String	Service fee display type	Mandatory
76	Status	String	Booking Status	Mandatory([NotSet = 0, Successful = 1, Failed = 2, OtherFare = 3, OtherClass = 4, BookedOther = 5, NotConfirmed = 6])
77	SegmentAdditionalInfo			
78	FareBasis	String	Fare basis	Mandatory
79	Baggage	String	Free baggage allowance	Mandatory
80	Meal	String	Meal	Mandatory
81	Segments			
82	TripIndicator	Integer	Trip indicator	Mandatory
83	SegmentIndicator	Integer	Segment indicator	Mandatory
84	AirlineCode	String	Airline code	Mandatory
85	AirlineName	String	Airline name	Mandatory
86	FlightNumber	String	Flight Number	Mandatory
87	FareClass	String	Fare Class	Mandatory
88	OperatingCarrier	String	Operating Carrier	Mandatory
89	Origin			
90	Airport			
91	AirportCode	String	Airport Code	Mandatory
92	AirportName	String	Airport name	Optional
93	Terminal	String	Terminal number	Optional

94	CityCode	String	City code	Mandatory
95	CityName	String	City Name	Mandatory
96	CountryCode	String	CountryCode	Mandatory
97	CountryName	String	Country Name	Mandatory
98	DepTime	Date Time	Departure time	Mandatory
99	Destination			
100	Airport			
101	AirportCode	String	Airport Code	Mandatory
102	AirportName	String	Airport Name	Optional
103	Terminal	String	Terminal number	Optional
104	CityCode	String	City code	Mandatory
105	SegmentAdditionalInfo			
106	FareBasis	String	Fare basis	Mandatory
107	Baggage	String	Free baggage allowance	Mandatory
108	Meal	String	Meal	Mandatory
109	Segments			
110	TripIndicator	Integer	Trip indicator	Mandatory
111	SegmentIndicator	Integer	Segment indicator	Mandatory
112	AirlineCode	String	Airline code	Mandatory
113	AirlineName	String	Airline name	Mandatory
114	FlightNumber	String	Flight Number	Mandatory
115	FareClass	String	Fare Class	Mandatory
116	OperatingCarrier	String	Operating Carrier	Mandatory
117	Origin			
118	Airport			
119	AirportCode	String	Airport Code	Mandatory
120	AirportName	String	Airport name	Optional
121	Terminal	String	Terminal number	Optional
122	CityCode	String	City code	Mandatory
123	CityName	String	City Name	Mandatory
124	CountryCode	String	CountryCode	Mandatory
125	CountryName	String	Country Name	Mandatory
126	DepTime	Date Time	Departure time	Mandatory
127	Destination			
128	Airport			
129	AirportCode	String	Airport Code	Mandatory

130	AirportName	String	Airport Name	Optional
131	Terminal	String	Terminal number	Optional
132	CityCode	String	City code	Mandatory
133	CityName	String	City Name	Mandatory
134	CountryCode	String	Country code	Mandatory
135	CountryName	String	Country name	Mandatory
136	ArrTime	Date Time	Arrival time	Mandatory
137	AirlinePNR	String	Airline pnr	Optional
138	AccumulatedDuration	Time	Accumulated duration	Optional
139	Duration	Time	Duration	Optional
140	GroundTime	Time	Ground time	Optional
141	Mile	String	Miles	Optional
142	StopOver			
143	StopPoint	String	Stopover point	Optional
144	StopPointArrivalTime	Date Time	Stopover arrival time	Optional
145	StopPointDepartureTime	Date Time	Stopover departure time	Optional
146	Craft	String	Craft	Optional
147	IsETicketEligible	Boolean	Is E-Ticket eligible	Mandatory
148	FlightStatus	String	Flight status	Mandatory
149	Status	String	Flight status code	Mandatory
150	FareRules	String	Fare rules	Mandatory
151	Origin	String	Origin	Mandatory
152	Destination	String	Destination	Mandatory
153	Airline	String	Airline	Mandatory
154	FareBasisCode	String	Fare basis code	Mandatory
155	FareRuleDetail	String List	Fare rule details	Mandatory
156	FareRestriction	String	Fare restriction	Mandatory
157	TicketStatus	Enumeration	Ticket status	Mandatory[Failed = 0, Successful = 1, NotSaved = 2, NotCreated = 3, NotAllowed = 4, InProgress = 5, TicketeAlreadyCreated= 6, PriceChanged = 8, OtherError = 9]



## 12. GET BOOKING

This method is used to retrieve booking details and booking status of an existing booking using BookingId, PNR or TrackingId as the search parameter. It is typically used after a booking has been made to capture a current information of the reservation.

**Service URL: - <http://xmloutapi.tboair.com/api/v1/Booking/GetBookingDetails>**

### **GetBooking Request:-**

```
{  
  
  "IPAddress": "192.168.4.238",  
  "PNR": "B4S8RS"  
}
```

### **GetBooking Response:-**

```
{  
  "Itinerary": {  
    "Segments": [  
      {  
        "NoOfSeatAvailable": 0,  
        "OperatingCarrier": "",  
        "SegmentIndicator": 1,  
        "Airline": "SG",  
        "Origin": {  
          "AirportCode": "DEL",  
          "AirportName": "Indira Gandhi Airport",  
          "CityCode": "DEL",  
          "CityName": "Delhi",  
          "CountryCode": "IN",  
          "CountryName": null,  
          "Terminal": "3"  
        },  
        "Destination": {  
          "AirportCode": "DXB",  
          "AirportName": "Dubai",  
          "CityCode": "DXB",  
          "CityName": "Dubai",  
          "CountryCode": "AE",  
          "CountryName": null,  
          "Terminal": "1"  
        },  
        "FlightNumber": "11",  
      }  
    ]  
  }  
}
```

```

    "DepartureTime": "2018-12-29T07:45:00",
    "ArrivalTime": "2018-12-29T10:10:00",
    "BookingClass": "B",
    "MealType": null,
    "ETicketEligible": true,
    "Craft": "7M8",
    "StopOver": false,
    "Stops": 0,
    "Mile": 0,
    "Duration": "03:55:00",
    "GroundTime": "00:00:00",
    "AccumulatedDuration": "03:55:00",
    "StopPoint": null,
    "StopPointArrivalTime": "0001-01-01T00:00:00",
    "StopPointDepartureTime": "0001-01-01T00:00:00",
    "IncludedBaggage": "30 KG",
    "CabinBaggage": "7 Kg",
    "AdditionalBaggage": "0 KG",
    "AirlineDetails": {
      "AirlineCode": null,
      "FlightNumber": null,
      "Craft": null,
      "AirlineName": null,
      "OperatingCarrier": null
    },
    "AirlineName": "SpiceJet"
  },
],
"Passenger": [
  {
    "PassportIssueCountryCode": null,
    "PassportIssueDate": null,
    "Title": "Mr",
    "FirstName": "faretype",
    "LastName": "csechk",
    "Mobile1": "91-9911798879",
    "Mobile1CountryCode": "91",
    "IsLeadPax": true,
    "DateOfBirth": "2001-06-18T00:00:00",
    "Type": 1,
    "PassportNo": "AGXPJ9003",
    "Nationality": {
      "CountryCode": "IN",
      "CountryName": null
    },
    "Country": {
      "CountryCode": "IN",

```

```

    "CountryName": "India"
  },
  "City": {
    "CountryCode": "IN",
    "CityCode": "DEL",
    "CityName": "Delhi"
  },
  "AddressLine1": "Delhi ",
  "AddressLine2": null,
  "Gender": 1,
  "Email": "ashish@techmaster.in",
  "Meal": {
    "Code": null,
    "Description": null
  },
  "Seat": {
    "Code": null,
    "Description": null
  },
  "Fare": {
    "TotalFare": 84.6745,
    "FareType": "PUB",
    "AgentMarkup": 10,
    "OtherCharges": 2.0385,
    "AgentPreferredCurrency": "USD",
    "ServiceFee": 0,
    "Vat": 0,
    "BaseFare": 58.333,
    "Tax": 14.303
  },
  "FFAirline": null,
  "FFNumber": null,
  "PassportExpiry": "2029-07-15T00:00:00",
  "PaxBaggage": [
    {
      "Code": null,
      "Description": 0,
      "Price": 0,
      "Weight": 0,
      "Text": "0 KG",
      "WayTypeField": 0,
      "Origin": "DEL",
      "Destination": "DXB",
      "Currency": null,
      "FlightNumber": null,
      "DepartureTime": "0001-01-01T00:00:00"
    }
  ]

```

```

    ],
    "PaxMeal": [
      {
        "Code": null,
        "Description": 0,
        "AirlineDescription": null,
        "Price": 0,
        "Quantity": 0,
        "Text": "",
        "Destination": "DXB",
        "Origin": "DEL",
        "WayTypeField": 0,
        "Currency": null,
        "FlightNumber": null,
        "DepartureTime": "0001-01-01T00:00:00"
      }
    ],
    "IDCardNo": null,
    "ZipCode": null,
    "PaxSeat": null,
    "Ticket": {
      "TicketId": 4644,
      "TicketNumber": "B4S8RS",
      "Remarks": "",
      "ValidatingAriline": "",
      "IssueDate": "2018-10-23T11:11:34.05",
      "Status": "OK",
      "PtcDetail": null
    }
  },
  "FareRules": [
    {
      "Origin": "DEL",
      "Destination": "DXB",
      "Airline": "SG",
      "FareRestriction": null,
      "FareBasisCode": "BSAVER",
      "FareRuleDetail": null,
      "DepartureDate": "2018-12-29T07:45:00",
      "FlightNumber": null
    }
  ],
  "PNR": "B4S8RS",
  "Destination": "DXB",
  "LastTicketDate": "2018-10-29T22:00:00",
  "Origin": "DEL",

```

```

    "CreatedOn": "2018-10-23T11:11:33.67",
    "ValidatingAirlineCode": "SG",
    "IsDomestic": false,
    "AirlineCode": null,
    "NonRefundable": false,
    "IsLcc": true,
    "AirlineRemark": null
  },
  "Status": 5,
  "ShowFailedReason": false,
  "IsSuccess": true,
  "Errors": [],
  "Alerts": [],
  "TokenId": "4440df1c-b016-4df1-b4d8-6895d274ef03",
  "TrackingId": "dbd09956-ea5b-47d7-b4f7-12a772e1988d"
}

```

GetBookingDetails REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	IPAddress	String	IP Address of the enduser	Mandatory
2	PNR	String	PNR	Mandatory ( Either BookingId, PNR or TraceId will be required to retrieve booking details)

GetBookingDetails RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	BookingId	Integer	Unique booking id	Mandatory
2	PNR	String	PNR no	Mandatory
3	IsDomestic	Boolean	Search request is for domestic or international	
4	Source	String	Airline source	Mandatory
5	Origin	String	Origin	Mandatory
6	Destination	String	Destination	Mandatory
7	AirlineCode	String	Airline code	Mandatory
8	ValidatingAirlineCode	String	Validating airline code	Mandatory
9	AirlineRemarks	String	Airline remarks	Optional

10	IsLCC	Boolean	Is the result for LCC or Non LCC	Mandatory
11	NonRefundable	Boolean	Is the fare refundable or not	Mandatory
12	FareType	String	Fare type	Mandatory
13	Fare			
14	Currency	String	Currency	Mandatory
15	BaseFare	Decimal	Base fare	Mandatory
16	Tax	Decimal	Total tax	Mandatory
17	OtherCharges	Decimal	Other charges	Mandatory
18	ServiceFee	Decimal	Service fee	Mandatory
19	PaxID	Integer	Unique pax id	Mandatory
20	Title	String	Title	Mandatory
21	FirstName	String	First name	Mandatory
22	LastName	String	Last name	Mandatory
23	PaxType	String	Pax type	Mandatory
24	DateOfBirth	Date Time	Date of birth	Mandatory
25	Gender	String	Gender	Mandatory
26	PassportNo	String	Passport no	Optional
27	PassportExpiry	Date time	Passport expiry	Optional
28	AddressLine	String	Address	Mandatory
29	City	String	City	Mandatory
30	CountryCode	String	Country code	Mandatory
31	CountryName	String	Country name	Mandatory
32	ContactNo	String	Contact no	Mandatory
33	Email	String	Email	Mandatory
34	IsLeadPax	Boolean	Represent the lead guest of the booking	Mandatory
35	FFAirlineCode	String	Frequent flyer airline	Optional *
36	FFNumber	String	Frequent flyer number	Optional *
37	Fare			
38	Currency	String	Currency	Mandatory
39	BaseFare	Decimal	Base fare	Mandatory
40	Tax	Decimal	Tax	Mandatory
41	OtherCharges	Decimal	Other charge	Mandatory
42	ServiceFee	Decimal	Service fee	Mandatory
43	Baggage			
44	WayType	Enumeration	Way type	Mandatory
45	Code	String	Baggage code	Mandatory
46	Description	String	Baggage description	Mandatory

47	Weight	String	Baggage weight	Mandatory
48	Currency	String	Currency	Mandatory
49	Price	Decimal	Baggage price	Mandatory
50	Origin	String	Origin	Mandatory
51	Destination	String	Destination	Mandatory
52	MealDynamic			
53	WayType	Enumeration	Way type	Mandatory
54	Code	String	Meal code	Mandatory
55	Description	String	Description	Mandatory
56	AirlineDescription	String	Meal description	Mandatory
57	Quantity	String	Meal quantity	Mandatory
58	Price	Decimal	Meal price	Mandatory
59	Currency	String	Currency	Mandatory
60	Origin	String	Origin	Mandatory
61	Destination	String	Destination	Mandatory
62	Ticket			
63	TicketId	Integer	Unique ticket id	Mandatory
64	TicketNumber	String	Ticket number	Mandatory
65	IssueDate	Date time	Ticket issue date	Mandatory
66	ValidatingAirline	String	Validating airline	Mandatory
67	Remarks	String	Remarks	Mandatory
68	Status	String	Ticket status	Mandatory
69	SegmentAdditionalInfo			
70	FareBasis	String	Fare basis	Mandatory
71	Baggage	String	Free baggage allowance	Optional
72	Meal	String	Free Meal Detail	Optional
73	Segments			
74	TripIndicator	Integer	Trip indicator	Mandatory
75	SegmentIndicator	Integer	Segment indicator	Mandatory
76	Airline			
77	AirlineCode	String	Airline code	Mandatory
78	AirlineName	String	Airline name	Mandatory
79	FlightNumber	String	Flight Number	Mandatory
80	FareClass	String	Fare Class	Mandatory
81	OperatingCarrier	String	Operating Carrier	Mandatory
82	AirportCode	String	Airport code	Mandatory
83	AirportName	String	Airport name	Optional
84	Terminal	String	Terminal number	Optional
85	CityCode	String	City code	Mandatory
86	CityName	String	City name	Mandatory

87	CountryCode	String	Country code	Mandatory
88	CountryName	String	Country name	Mandatory
89	DepTime	Date Time	Departure time	Mandatory
90	Destination	String	Destination	Mandatory
91	Airport	String	Airline	Mandatory
92	AirportCode	String	Airport code	Mandatory
93	AirportName	String	Airport name	Optional
94	Terminal	String	Terminal number	Optional
95	CityCode	String	City code	Mandatory
96	CityName	String	City name	Mandatory
97	CountryCode	String	Country code	Mandatory
98	CountryName	String	Country name	Mandatory
99	ArrTime	Date Time	Arrival time	Mandatory
100	AirlinePNR	String	Airline pnr	Optional
101	AccumulatedDuration	Time	Accumulated duration	Optional
102	Duration	Time	Duration	Optional
103	GroundTime	Time	Ground time	Optional
104	Mile	String	Miles	Optional
105	StopOver	String	Stop value	Optional
106	StopPoint	String	Stopover point	Optional
107	StopPointArrivalTime	Date Time	Stopover arrival time	Optional
108	StopPointDepartureTime	Date Time	Stopover departure time	Optional
109	Craft	String	Craft	Optional
110	IsETicketEligible	Boolean	Is E-Ticket eligible	Mandatory
111	FlightStatus	String	Flight status	Mandatory
112	Status	String	Flight status code	Mandatory
113	FareRules		Fare rules	Mandatory
114	Origin	String	Origin	Mandatory
115	Destination	String	Destination	Mandatory
116	Airline	String	Airline	Mandatory
117	FareBasisCode	String	Fare basis code	Mandatory
118	FareRuleDetail	String List	Fare rule details	Mandatory
119	FareRestriction	String	Fare restriction	Mandatory
120	InvoiceNo	String	Invoice no	Mandatory
121	InvoiceCreatedOn	String	Invoice created on	Mandatory
122	TicketStatus	Enumeration	Ticket status	Mandatory
123	Message	String	Message	Optional
	Error			



124	ErrorCode	Integer	Code corresponding to the Error	Mandatory
125	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 13. RELEASE

This method is used to release Hold Bookings which you do not want to ticket.

**Service URL:-** <http://xmloutapi.tboair.com/api/v1/Booking/ReleasePNR>

Release Request:-

```
{
  "PNR": "TZ2JDE",
  "LastName": "fsdfsadf",
  "Remarks": "Ashish",
  "TokenId": "2d823e5f-500d-4e99-8402-bd506ada7a48",
  "IPAddress": "192.168.6.13"
}
```

**Release Response:-**

```
{
  "ResponseMessage": "PNR XYZ has been released",

  "IsSuccess": false,
  "Errors": [],
  "Alerts": [],
  "TokenId": "e37a4f34-26c9-4fcd-9afa-d197bd216e60",
  "TrackingId": "45bde688-8e56-4c82-aac8-4238bd9bf165"
}
```

ReleasePNR REQUEST				
Level	Element	Format	Comments	Mandatory/ Optional
1	IPAddress	String	IP Address of the enduser	Mandatory
2	LastName	String	LastName of the Lead Passenger	Mandatory
3	Remarks	String	Any remarks	Mandatory
4	TokenId	String	Token ID	Mandatory
4	PNR	String	PNR	Mandatory ( Either BookingId, PNR or TraceId will be required to retrieve booking details)

ReleasePNR RESPONSE				
Level	Element	Format	Comments	Mandatory/ Optional
1	ResponseMessage	String	Release message	Mandatory
2	TokenId	String	Token ID	Mandatory
3	TrackingId	String	TrackingId	Mandatory(TrackingId to be echoed back in further requests)
4	ErrorCode	Integer	Code corresponding to the Error	Mandatory
5	ErrorMessage	String	Contains error message	Mandatory (Will contain error description corresponding to ErrorCode. Error Message would be blank in case ErrorCode=0)

## 14. SAMPLE FAILED RESPONSE - FOR ALL API METHODS

TBO Air API will return below components in response (of all methods), in case of failed/unsuccessful response.

```
{
  "IsSuccess":false,
  "Errors":[
    {
      "UserMessage":" Authentication Failed.",
      "Code":2,
      "TimeStamp":"2018-08-08T08:02:08.192075+00:00",
      "Resolution":""
    }
  ],
  "Alerts":[
    {
      "UserMessage":"Please check credentials.",
      "Code":0,
      "TimeStamp":"2018-08-08T07:43:24.2233911+00:00"
    }
  ]
}
```