

XML.AGENCY FLIGHT API

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1. Interfaces of interaction

1.1 Search and booking service

Interaction with servers City.Travel is carried out through the protocol SOAP version 1.2. A detailed description of the interface elements is contained in the WSDL document. For testing, use WSDL, <http://test-api.xml.agency/SiteCity> (Please, note, SoapUI doesn't work correctly with our WSDL)

Most requests accept the structure of credentials of the AuthInfo type as one of the parameters. This structure should contain the following fields:

- **ApiLogin**. Login for interaction of the application with the server (not the login of the user of the application!). For testing, use the login: **test**
- **ApiPassword**. Password for interaction with the server. For testing: **test**
- **TokenGuid**. A token allocated to the user during the authorization process (only if the user is authorized). Token for test: **00000000-0000-0000-0000-000000000000**
- **DeviceID**: For test area: **test**
- **Language**. The language of requests and responses
- **Currency**. Currency for pricing.

In response to most requests, a structure inherited from the BaseResponse class comes. Its Success, ErrorCode, and ErrorString fields determine the success of the request or error message. To consider the answer as positive, you need to analyze the Success field. If it is false, you should look at the ErrorCode field. If ErrorCode is greater than or equal to 1000, then the statement from the ErrorString field should be shown to the user, otherwise give it the standard wording, for example "Nothing was found by your query". If the field Success indicates true, then you can parse the data that came.

In addition to this error, the SOAP-Exception may result, for example:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <s:Fault>
      <s:Code>
        <s:Value>s:Sender</s:Value>
      </s:Code>
      <s:Reason>
        <s:Text xml:lang="ru-RU">Login error</s:Text>
      </s:Reason>
      <s:Detail>
        <GenericException xmlns="http://schemas.datacontract.org/2004/07/Interfaces"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <Code>13</Code>
          <Description>Login error</Description>
          <Lang>en</Lang>
        </GenericException>
      </s:Detail>
    </s:Fault>
  </s:Body>
</s:Envelope>
```

The behavior is the same: if ErrorCode >= 1000, output to the user, otherwise the standard wording.

The BaseResponse class contains two more fields: Currency - it specifies the currency for calculations, by default RUB, and ServiceUrl, which is used exclusively for debugging purposes.

2. Flights

2.1 Search

2.1.1 Input Parameters

To search, please, use the AeroSearch method. Here is an example of a generated SOAP request to this method. This is a request to search for variants of flights from St. Petersburg to Baku on 07.06.2018 and return on 15.06.2018 for two adult passengers, one child and one infant.

POST <http://test-api.xml.agency/SiteCity> HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="<http://tempuri.org/ISiteAvia/AeroSearch>"
Host: test-api.xml.agency
Content-Length: 1346
Accept-Encoding: gzip, deflate
Connection: Keep-Alive

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroSearch xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <a:aeroSearchParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Adults>2</a:Adults>
        <a:Childs>1</a:Childs>
        <a:ExtendedParams i:nil="true"/>
        <a:FlightClass>Econom</a:FlightClass>
        <a:Infants>1</a:Infants>
        <a:PartnerName i:nil="true"/>
        <a:SearchFlights>
          <a:SearchFlight>
            <a:Date>07.06.2018</a:Date>
            <a:IATAFrom>LED</a:IATAFrom>
            <a:IATATO>BAK</a:IATATO>
          </a:SearchFlight>
          <a:SearchFlight>
            <a:Date>15.06.2018</a:Date>
            <a:IATAFrom>BAK</a:IATAFrom>
            <a:IATATO>LED</a:IATATO>
          </a:SearchFlight>
        </a:SearchFlights>
      </a:aeroSearchParams>
    </AeroSearch>
  </s:Body>
</s:Envelope>
```

Its first parameter credentials is detailed in paragraph 1.1 of this document. Consider its second parameter `aeroSearchParams` of the type `AeroSearchParams`.

- **FlightClass**. Class of flight. One of two values: Economy or Business;
- **Adults**. Number of adults. Integer from 1 to 9 (inclusive);
- **Infants**. Number of babies under 2 years. The whole is from 0 to the number of adults;
- **Childs**. Number of children from 2 to 12 years. The whole of 0 to 9 is Adults. For example, if there is a search for 5 adults, children can be no more than 4;
- **SearchFlights**. List of search flights. Must consist of one element in case of one-way or two-way flight for flight back / forth. The implementation of the list is conditioned by the preparation for the implementation of multi-stage flights. Each `SearchFlight` element must contain the following fields:
 - **DateStr**. Date of departure in the format DD.MM.YYYY;
 - **IATAFrom**. The three-letter IATA code of the airport / city of departure, for example MOW or DME. To fly back, you must match `IATATo` from the first element. Also for testing, you can send options by default: MOW (Moscow), LED (St. Petersburg), BKK (Bangkok) and other standard IATA codes;
 - **IATATo**. IATA code of the airport / city of arrival. To fly back, it must match the `IATAFrom` from the first element.

2.1.2 Response format

Let's consider an example of the answer to the query specified in the previous paragraph. To reduce the example, only one of the `FlightData` variants found is found, in real data there can be hundreds. Airlines and airports are also indicated only for flights related to this option.

```
HTTP/1.1 200 OK
Content-Length: 1758256
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Tue, 24 Apr 2018 11:15:13 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroSearchResponse xmlns="http://tempuri.org/">
      <AeroSearchResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:AirCompany xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
          <b:CodeValue>
            <b:Code>J2</b:Code>
            <b:Value>Azerbaijan Airlines</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>UT</b:Code>
            <b:Value>UTair</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>FV</b:Code>
            <b:Value>Rossiya Airlines</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>SU</b:Code>
          </b:CodeValue>
        </a:AirCompany>
      </AeroSearchResult>
    </AeroSearchResponse>
  </s:Body>
</s:Envelope>
```

```

        <b:Value>Aeroflot</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>S7</b:Code>
        <b:Value>S7 Airlines</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>LH</b:Code>
        <b:Value>Lufthansa</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>TK</b:Code>
        <b:Value>Turkish Airlines</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>AZ</b:Code>
        <b:Value>Alitalia</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>U6</b:Code>
        <b:Value>Ural Airlines</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>DP</b:Code>
        <b:Value>Pobeda</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>QR</b:Code>
        <b:Value>Qatar</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>PS</b:Code>
        <b:Value>Ukraine Airlines</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>B2</b:Code>
        <b:Value>Belavia</b:Value>
    </b:CodeValue>
</a:AirCompany>
<a:AirPorts xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
    <b:AirPortInfo>
        <b:City>Saint Petersburg</b:City>
        <b:Iata>LED</b:Iata>
        <b:Name>Pulkovo</b:Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Baku</b:City>
        <b:Iata>GYD</b:Iata>
        <b:Name>Heydar Aliyev</b:Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>VKO</b:Iata>
        <b:Name>Vnukovo</b:Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>SVO</b:Iata>
        <b:Name>Sheremetyevo</b:Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>DME</b:Iata>
        <b:Name>Domodedovo</b:Name>
    </b:AirPortInfo>
</a:AirPorts>

```

```

        <b:City>Novosibirsk</b:City>
        <b:Iata>OVB</b:Iata>
        <b>Name>Tolmachevo</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Frankfurt</b:City>
        <b:Iata>FRA</b:Iata>
        <b>Name>Frankfurt (rhein-main)</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Munich</b:City>
        <b:Iata>MUC</b:Iata>
        <b>Name>Franz Josef Strauss</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Istanbul</b:City>
        <b:Iata>IST</b:Iata>
        <b>Name>Ataturk</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Milan</b:City>
        <b:Iata>MXP</b:Iata>
        <b>Name>Malpensa</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Ekaterinburg</b:City>
        <b:Iata>SVX</b:Iata>
        <b>Name>Koltsovo</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Doha</b:City>
        <b:Iata>DOH</b:Iata>
        <b>Name>Doha</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Kiev</b:City>
        <b:Iata>KBP</b:Iata>
        <b>Name>Borispol</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Minsk</b:City>
        <b:Iata>MSQ</b:Iata>
        <b>Name>Minsk 2</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Samara</b:City>
        <b:Iata>KUF</b:Iata>
        <b>Name>Kurumoch</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Baku</b:City>
        <b:Iata>BAK</b:Iata>
        <b>Name>Heydar Aliyev</b>Name>
    </b:AirPortInfo>
</a:AirPorts>
<a:FlightData>
    <a:FlightData>

```

```

<a:OfferCode>RUAYQDFAMUAWQEXFRH5CQUt_MjAxOC0wNy0wNmBCQUt_TEVEfjIwMTgtMTUtdMDZARmFsc2VAIyEjIzE4LTA3LTA2IDIzOjEwfDE4L
TA4LTA2IDAzOjQ1fGxlZHxneWQjIzE4LTA2IDE5OjAwfDE4LTA2IDIyOjEwfGd5ZHxsZWQjJiZGYWxzZQ</a:OfferCode>
    <a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
        <b:OfferInfo>
            <b:Hidden>false</b:Hidden>
            <b:Rph>1</b:Rph>
            <b:Segments>
                <b:OfferSegment>

```

```

<b:AirCrafft>Embraer 190</b:AirCrafft>
<b:Arrival>
  <b:Date>08.06.2018 03:45</b:Date>
  <b:Iata>GYD</b:Iata>
</b:Arrival>
<b:Baggage>
  <b:BaggageType>Pieces</b:BaggageType>
  <b:Count>1</b:Count>
</b:Baggage>
<b:Departure>
  <b:Date>07.06.2018 23:10</b:Date>
  <b:Iata>LED</b:Iata>
</b:Departure>
<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>215</b:FlightMinutes>
<b:FlightNum>J2-9020</b:FlightNum>
<b:FlightTime>03:35:00</b:FlightTime>
<b:MarketingAirline>J2</b:MarketingAirline>
<b:OperatingAirline>J2</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
  <b:AirCrafft>Embraer 190</b:AirCrafft>
  <b:Arrival>
    <b:Date>15.06.2018 22:10</b:Date>
    <b:Iata>LED</b:Iata>
  </b:Arrival>
  <b:Baggage>
    <b:BaggageType>Pieces</b:BaggageType>
    <b:Count>1</b:Count>
  </b:Baggage>
  <b:Departure>
    <b:Date>15.06.2018 19:00</b:Date>
    <b:Iata>GYD</b:Iata>
  </b:Departure>
  <b:FlightClass>Econom</b:FlightClass>
  <b:FlightMinutes>250</b:FlightMinutes>
  <b:FlightNum>J2-9019</b:FlightNum>
  <b:FlightTime>04:10:00</b:FlightTime>
  <b:MarketingAirline>J2</b:MarketingAirline>
  <b:OperatingAirline>J2</b:OperatingAirline>
  <b:ResBookDesigQuantity>5</b:ResBookDesigQuantity>
  <b:Rph>2</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>J2</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>-4574493285.4027777</a:Rating>
<a:TotalPrice>994.55</a:TotalPrice>
</a:FlightData>
<a:FlightData>

```

```

<a:OfferCode>RUAYQDFAMUAWQExFRH5CQUt_MjAxOC0wNy0wNmBCQUt_TEVEfjIwMTgtMTUtMDZARmFsc2VAIyEjIzE4LTA3LTA2IDA30jA1fDE4L
TA3LTA2IDA40jMwfGxLZHx2a28jIzE4LTA3LTA2IDA50jU1fDE4LTA3LTA2IDE00jAwfHZrb3xneWQjIzE4LTA2IDE10jAwfDE4LTA2IDE
30jAwfGd5ZHx2a28jIzE4LTA2IDE50jAwfDE4LTA2IDE10jMwfHZrb3xnsZWQjJiZGYWxzZQ</a:OfferCode>

```

```

<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Hidden>>false</b:Hidden>
    <b:Rph>1</b:Rph>
  <b:Segments>
    <b:OfferSegment>
      <b:AirCrafft> Boeing 737-500</b:AirCrafft>
      <b:Arrival>
        <b:Date>07.06.2018 08:30</b:Date>

```



```

        <b:Iata>VK0</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>NilSelect</b:BaggageType>
        <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
        <b>Date>07.06.2018 07:05</b>Date>
        <b:Iata>LED</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>85</b:FlightMinutes>
    <b:FlightNum>UT-490</b:FlightNum>
    <b:FlightTime>01:25:00</b:FlightTime>
    <b:MarketingAirline>UT</b:MarketingAirline>
    <b:OperatingAirline>UT</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
    <b:Aircraft> Boeing 737-500</b:Aircraft>
    <b:Arrival>
        <b>Date>07.06.2018 14:00</b>Date>
        <b:Iata>GYD</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>NilSelect</b:BaggageType>
        <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
        <b>Date>07.06.2018 09:55</b>Date>
        <b:Iata>VK0</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>185</b:FlightMinutes>
    <b:FlightNum>UT-745</b:FlightNum>
    <b:FlightTime>03:05:00</b:FlightTime>
    <b:MarketingAirline>UT</b:MarketingAirline>
    <b:OperatingAirline>UT</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
    <b:Aircraft> Boeing 737-500</b:Aircraft>
    <b:Arrival>
        <b>Date>15.06.2018 17:00</b>Date>
        <b:Iata>VK0</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>NilSelect</b:BaggageType>
        <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
        <b>Date>15.06.2018 15:00</b>Date>
        <b:Iata>GYD</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>180</b:FlightMinutes>
    <b:FlightNum>UT-746</b:FlightNum>
    <b:FlightTime>03:00:00</b:FlightTime>
    <b:MarketingAirline>UT</b:MarketingAirline>
    <b:OperatingAirline>UT</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>2</b:Rph>
</b:OfferSegment>
<b:OfferSegment>

```

```

<b:Aircraft> Boeing 737-500</b:Aircraft>
<b:Arrival>
  <b>Date>15.06.2018 20:30</b>Date>
  <b:Iata>LED</b:Iata>
</b:Arrival>
<b:Baggage>
  <b:BaggageType>NilSelect</b:BaggageType>
  <b:Count>0</b:Count>
</b:Baggage>
<b:Departure>
  <b>Date>15.06.2018 19:00</b>Date>
  <b:Iata>VKO</b:Iata>
</b:Departure>
<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>90</b:FlightMinutes>
<b:FlightNum>UT-383</b:FlightNum>
<b:FlightTime>01:30:00</b:FlightTime>
<b:MarketingAirline>UT</b:MarketingAirline>
<b:OperatingAirline>UT</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>2</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>UT</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>-3502982782.5277777</a:Rating>
<a:TotalPrice>870.31</a:TotalPrice>
</a:FlightData>

```

```

<a:FlightData>

```

```

<a:OfferCode>RUAYQDFAMUAWQEXFRH5CQUT_MjAxOC0wNy0wNmBCQUT_TEVEfjIwMTgtMTUtMDZARmFsc2VAIyEjIzE4LTA3LTA2IDIyOjUwFDE4L
TA4LTA2IDA0jEwfGxLZHxzdm8jIzE4LTA4LTA2IDA30jAwFDE4LTA4LTA2IDA50jQwfHN2b3xteHAjIzE4LTA4LTA2IDExOjMwFDE4LTA4LTA2IDE
40jEwfG14cHxneWQjJiZGYWxzZSojKiMxOC0xNS0wNiAwNT0xMHwxOC0xNS0wNiAwNzoxNXxneWR8c3ZvIyMxOC0xNS0wNiAwOT01MHwxOC0xNS0wNi
iAxMT0xNXxzdm98bGVkIyYmRmFsc2U</a:OfferCode>

```

```

<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">

```

```

  <b:OfferInfo>
    <b:Hidden>false</b:Hidden>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:Aircraft>Airbus A321</b:Aircraft>
        <b:Arrival>
          <b>Date>08.06.2018 00:10</b>Date>
          <b:Iata>SV0</b:Iata>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b>Date>07.06.2018 22:50</b>Date>
          <b:Iata>LED</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>80</b:FlightMinutes>
        <b:FlightNum>AZ-4361</b:FlightNum>
        <b:FlightTime>01:20:00</b:FlightTime>
        <b:MarketingAirline>AZ</b:MarketingAirline>
        <b:OperatingAirline>SU</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
      </b:OfferSegment>
    </b:OfferSegment>
  </b:OfferInfo>

```

```

<b:AirCraft> Airbus A320</b:AirCraft>
<b:Arrival>
  <b:Date>08.06.2018 09:40</b:Date>
  <b:Iata>MXP</b:Iata>
</b:Arrival>
<b:Baggage>
  <b:BaggageType>Pieces</b:BaggageType>
  <b:Count>1</b:Count>
</b:Baggage>
<b:Departure>
  <b:Date>08.06.2018 07:00</b:Date>
  <b:Iata>SVO</b:Iata>
</b:Departure>
<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>220</b:FlightMinutes>
<b:FlightNum>AZ-7027</b:FlightNum>
<b:FlightTime>03:40:00</b:FlightTime>
<b:MarketingAirline>AZ</b:MarketingAirline>
<b:OperatingAirline>SU</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
  <b:AirCraft> Airbus A320</b:AirCraft>
  <b:Arrival>
    <b:Date>08.06.2018 18:10</b:Date>
    <b:Iata>GYD</b:Iata>
  </b:Arrival>
  <b:Baggage>
    <b:BaggageType>Pieces</b:BaggageType>
    <b:Count>1</b:Count>
  </b:Baggage>
  <b:Departure>
    <b:Date>08.06.2018 11:30</b:Date>
    <b:Iata>MXP</b:Iata>
  </b:Departure>
  <b:FlightClass>Econom</b:FlightClass>
  <b:FlightMinutes>280</b:FlightMinutes>
  <b:FlightNum>AZ-7172</b:FlightNum>
  <b:FlightTime>04:40:00</b:FlightTime>
  <b:MarketingAirline>AZ</b:MarketingAirline>
  <b:OperatingAirline>J2</b:OperatingAirline>
  <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
  <b:Rph>1</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>AZ</b:ValidatingAirline>
</b:OfferInfo>
<b:OfferInfo>
  <b:Hidden>false</b:Hidden>
  <b:Rph>2</b:Rph>
  <b:Segments>
    <b:OfferSegment>
      <b:AirCraft> Airbus A320</b:AirCraft>
      <b:Arrival>
        <b:Date>15.06.2018 07:15</b:Date>
        <b:Iata>SVO</b:Iata>
      </b:Arrival>
      <b:Baggage>
        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>1</b:Count>
      </b:Baggage>
      <b:Departure>
        <b:Date>15.06.2018 05:10</b:Date>
        <b:Iata>GYD</b:Iata>
      </b:Departure>
    </b:OfferSegment>
  </b:Segments>
</b:OfferInfo>

```

```

<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>185</b:FlightMinutes>
<b:FlightNum>SU-1853</b:FlightNum>
<b:FlightTime>03:05:00</b:FlightTime>
<b:MarketingAirline>SU</b:MarketingAirline>
<b:OperatingAirline>SU</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
  <b:AirCRAFT>Airbus A321</b:AirCRAFT>
  <b:Arrival>
    <b:Date>15.06.2018 11:15</b:Date>
    <b:Iata>LED</b:Iata>
  </b:Arrival>
  <b:Baggage>
    <b:BaggageType>Pieces</b:BaggageType>
    <b:Count>1</b:Count>
  </b:Baggage>
  <b:Departure>
    <b:Date>15.06.2018 09:50</b:Date>
    <b:Iata>SV0</b:Iata>
  </b:Departure>
  <b:FlightClass>Econom</b:FlightClass>
  <b:FlightMinutes>85</b:FlightMinutes>
  <b:FlightNum>SU-12</b:FlightNum>
  <b:FlightTime>01:25:00</b:FlightTime>
  <b:MarketingAirline>SU</b:MarketingAirline>
  <b:OperatingAirline>SU</b:OperatingAirline>
  <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
  <b:Rph>1</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>SU</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>-46954123707.138885</a:Rating>
<a:TotalPrice>3186.35</a:TotalPrice>
</a:FlightData>
<a:FlightData>

```

```

<a:OfferCode>RUAyQDFAMUAWQExFRH5CQUt_MjAxOC0wNy0wNmBCQUt_TEVEfjIwMTgtMTUtdMZARmFsc2VAIyEjIzE4LTA3LTA2IDA30jA1fDE4L
TA3LTA2IDA40jMwfGxlZHx2a28jJiZGYWxzZSYmQ0IqIyojMTgtMDctMDYgMTI6MTV8MTgtMDctMDYgMTU6MTV8dmtvfGlzdCMjMTgtMDctMDYgMTc
6MjV8MTgtMDctMDYgMjE6MDV8aXN0fGd5ZCMmJkZhbHNLJiZDQiojKiMxOC0xNS0wNiAwNT0xMHwxOC0xNS0wNiAwNzoxNXxneWR8c3ZvIyMxOC0xN
S0wNiAwOT01MHwxOC0xNS0wNiAxMT0xNXxzdM98bGVkIyYmRmFsc2U</a:OfferCode>

```

```

<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Hidden>false</b:Hidden>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:AirCRAFT> Boeing 737-500</b:AirCRAFT>
        <b:Arrival>
          <b:Date>07.06.2018 08:30</b:Date>
          <b:Iata>VKO</b:Iata>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>NilSelect</b:BaggageType>
          <b:Count>0</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:Date>07.06.2018 07:05</b:Date>
          <b:Iata>LED</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>85</b:FlightMinutes>

```

```

        <b:FlightNum>UT-490</b:FlightNum>
        <b:FlightTime>01:25:00</b:FlightTime>
        <b:MarketingAirline>UT</b:MarketingAirline>
        <b:OperatingAirline>UT</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
    </b:OfferSegment>
</b:Segments>
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</b:OfferInfo>
<b:OfferInfo>
    <b:Hidden>false</b:Hidden>
    <b:Rph>1</b:Rph>
    <b:Segments>
        <b:OfferSegment>
            <b:AirCRAFT> Airbus A330-300</b:AirCRAFT>
            <b:Arrival>
                <b>Date>07.06.2018 15:15</b>Date>
                <b:Iata>IST</b:Iata>
            </b:Arrival>
            <b:Baggage>
                <b:BaggageType>Pieces</b:BaggageType>
                <b:Count>1</b:Count>
            </b:Baggage>
            <b:Departure>
                <b>Date>07.06.2018 12:15</b>Date>
                <b:Iata>VKO</b:Iata>
            </b:Departure>
            <b:FlightClass>Econom</b:FlightClass>
            <b:FlightMinutes>180</b:FlightMinutes>
            <b:FlightNum>TK-414</b:FlightNum>
            <b:FlightTime>03:00:00</b:FlightTime>
            <b:MarketingAirline>TK</b:MarketingAirline>
            <b:OperatingAirline>TK</b:OperatingAirline>
            <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
            <b:Rph>1</b:Rph>
        </b:OfferSegment>
    <b:OfferSegment>
        <b:AirCRAFT>Airbus A321</b:AirCRAFT>
        <b:Arrival>
            <b>Date>07.06.2018 21:05</b>Date>
            <b:Iata>GYD</b:Iata>
        </b:Arrival>
        <b:Baggage>
            <b:BaggageType>Pieces</b:BaggageType>
            <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
            <b>Date>07.06.2018 17:25</b>Date>
            <b:Iata>IST</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>160</b:FlightMinutes>
        <b:FlightNum>TK-334</b:FlightNum>
        <b:FlightTime>02:40:00</b:FlightTime>
        <b:MarketingAirline>TK</b:MarketingAirline>
        <b:OperatingAirline>TK</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
    </b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>TK</b:ValidatingAirline>
</b:OfferInfo>
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```

```

<b:Segments>
  <b:OfferSegment>
    <b:AirCraft> Airbus A320</b:AirCraft>
    <b:Arrival>
      <b>Date>15.06.2018 07:15</b>Date>
      <b:Iata>SV0</b:Iata>
    </b:Arrival>
    <b:Baggage>
      <b:BaggageType>Pieces</b:BaggageType>
      <b:Count>1</b:Count>
    </b:Baggage>
    <b:Departure>
      <b>Date>15.06.2018 05:10</b>Date>
      <b:Iata>GYD</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>185</b:FlightMinutes>
    <b:FlightNum>SU-1853</b:FlightNum>
    <b:FlightTime>03:05:00</b:FlightTime>
    <b:MarketingAirline>SU</b:MarketingAirline>
    <b:OperatingAirline>SU</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
  </b:OfferSegment>
  <b:OfferSegment>
    <b:AirCraft>Airbus A321</b:AirCraft>
    <b:Arrival>
      <b>Date>15.06.2018 11:15</b>Date>
      <b:Iata>LED</b:Iata>
    </b:Arrival>
    <b:Baggage>
      <b:BaggageType>Pieces</b:BaggageType>
      <b:Count>1</b:Count>
    </b:Baggage>
    <b:Departure>
      <b>Date>15.06.2018 09:50</b>Date>
      <b:Iata>SV0</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>85</b:FlightMinutes>
    <b:FlightNum>SU-12</b:FlightNum>
    <b:FlightTime>01:25:00</b:FlightTime>
    <b:MarketingAirline>SU</b:MarketingAirline>
    <b:OperatingAirline>SU</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
  </b:OfferSegment>
</b:Segments>
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</b:OfferInfo>
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</a:FlightData>
</a:FlightData>
<a:ResultCount>519</a:ResultCount>
<a:SearchGuid>b316ac16-7cdf-4d49-a3a1-15f0d3e1b915</a:SearchGuid>
</AeroSearchResult>
</AeroSearchResponse>
</s:Body>
</s:Envelope>

```

AirCompany's list of airlines consists of CodeValue entries containing pairs:

- **Code**. The two-letter (in rare cases, three-letter) code of the airline;
- **Value**. Name of airline

The list of airports AirPorts is built in a similar way, but its AirPortInfo entries contain 3 fields:

- **City**. The settlement to which the airport is attached;
- **Iata**. The three-letter code of the airport;
- **Name**. Name of the airport.

The ResultCount field contains the number of results.

The SearchGuid field contains the identifier of the search session, which you then need to pass to the preliminary and final booking requests.

FlightData is a list of independent flight options. The names of the elements of this list contain the following fields:

- **OfferCode**. The offer ID used for subsequent pre-booking;
- **Offers, OfferInfo**. Description of the proposal. This structure is universal and is also used on preliminary and basic booking and in the personal account. Each item in the OfferInfo list is a complete proposal, characterized by a validating airline (ValidatingAirline) and a list of segments. In one sentence of the City.Travel system there can be one or several OfferInfo offers. To divide segments into "there" and "back", the Rph field is used for offerers (OfferInfo) and segments (OfferSegment) according to the following rule:
 - If there is only one offer, then the flight segments there the Rph field will be equal to 1, and the flight segments have back - 2;
 - If there are several offers, the Rph field will be equal to 1 for the offers, and 2 for the offers for the flight.
 - The list of segments from which the offer consists consists of the structure Segments, OfferSegment:
 - Departure and Arrival, fields of type AirPort. Departure and arrival, namely:
 - **Date**. Date and time (local) departure or landing;
 - **Iata**. Three-letter IATA-code of the airport;
 - **Terminal**. The terminal code is most often unknown and in this case is missing.
 - **AirCraft**. The name of the aircraft on which the flight is expected;
 - **Stop**. There is a technical stop after this segment
 - **Baggage**. Information on the rate of free baggage allowance. The Count field defines the quantity, and BaggageType - units of measurement, namely one of the following options:
 - **Unknown**. Information about baggage is unknown at this stage;
 - **Nil**. All baggage for a fee;
 - **Kilos**. Kilograms;
 - **Pounds**. Pounds (can be converted to kilograms for output);
 - **Pieces**. Places of luggage.
 - **FlightClass**. Class of flight, Economy or Business;
 - **FlightNum**. Flight number;
 - **FlightTime**. Travel time;
 - **MarketingAirline**. The airline code, on behalf of which the flight is sold;
 - **OperatingAirline**. The code of the airline performing the flight. It most often coincides with MarketingAirline;
 - **ResBookDesigQuantity**. The remaining number of vacant seats at the minimum rate (may be absent);
 - **Rph**. Direction of flight (see above);
 - **Charter**. If the field is present and is true, then this is a charter flight.

- **LowCost**. If the field is present and is true, then the flight is carried out by the company-loukoster.
 - Rating. Our flight rating, used for sorting by recommendations;
 - TotalPrice. The minimal cost of the offer without taking into account the chosen tariffs and mark-ups of payment systems.

- **SelfConnect**. If the field is present and true, then self-check-in is required in this segment.
- **TotalPrice**. The minimum price of the offer. **AdultPrice**. Стоимость за 1 взрослого
- **ChildPrice**. Cost for the one child.
- **InfantPrice**. Cost for the one infant.

2.1.3 Combo flights

The system can independently combine flights for the flight. The segment which needs self check-in flagged with **SelfConnect**. The passenger must independently collect the baggage and hand it over again in this segment. Also a **visa control for the passenger is required** at this transfer point.

Request and response example.

```
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  <s:Body>
    <AeroSearch xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <aeroSearchParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Adults>2</a:Adults>
        <a:Childs>0</a:Childs>
        <a:ExtendedParams i:nil="true"/>
        <a:FlightClass>Econom</a:FlightClass>
        <a:Infants>1</a:Infants>
        <a:PartnerName i:nil="true"/>
        <a:SearchFlights>
          <a:SearchFlight>
            <a:Date>16.01.2019</a:Date>
            <a:IATAFrom>NAP</a:IATAFrom>
            <a:IATATO>SIP</a:IATATO>
          </a:SearchFlight>
        </a:SearchFlights>
      </aeroSearchParams>
    </AeroSearch>
  </s:Body>
</s:Envelope>

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <ActivityId CorrelationId="a1a1a584-46aa-4b09-a07a-ee2e707055b8"
xmlns="http://schemas.microsoft.com/2004/09/ServiceModel/Diagnostics">00000000-0000-0000-0000-
000000000000</ActivityId>
  </s:Header>
  <s:Body>
    <AeroSearchResponse xmlns="http://tempuri.org/">
      <AeroSearchResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:AirCompany xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
          <b:CodeValue>
            <b:Code>AZ</b:Code>
            <b:Value>Alitalia</b:Value>
          </b:CodeValue>
        </a:AirCompany>
      </AeroSearchResult>
    </AeroSearchResponse>
  </s:Body>
</s:Envelope>
```

</b:CodeValue>
<b:CodeValue>
 <b:Code>A4</b:Code>
 <b:Value>Azimut</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>WZ</b:Code>
 <b:Value>RedWings</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>5N</b:Code>
 <b:Value>Nord-Avia</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>U6</b:Code>
 <b:Value>Ural Airlines</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>N4</b:Code>
 <b:Value>Nordwind</b:Value>
</b:CodeValue>
<b:CodeValue>
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</b:CodeValue>
<b:CodeValue>
 <b:Code>FV</b:Code>
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</b:CodeValue>
<b:CodeValue>
 <b:Code>HV</b:Code>
 <b:Value>Transavia</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>KL</b:Code>
 <b:Value>KLM</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>9B</b:Code>
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</b:CodeValue>
<b:CodeValue>
 <b:Code>0B</b:Code>
 <b:Value>Blue Air</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>R0</b:Code>
 <b:Value>Tarom Romanian</b:Value>
</b:CodeValue>
<b:CodeValue>
 <b:Code>CT</b:Code>
 <b:Value>Alitalia Cityliner</b:Value>
</b:CodeValue>
<b:CodeValue>
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<b:CodeValue>
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```

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        <b:Value>Easyjet</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>EG</b:Code>
        <b:Value>East Air</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>B2</b:Code>
        <b:Value>Belavia</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>9U</b:Code>
        <b:Value>Air Moldova</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>I8</b:Code>
        <b:Value>Izhavia</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>LH</b:Code>
        <b:Value>Lufthansa</b:Value>
    </b:CodeValue>
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        <b:Value>Excel Air</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>AF</b:Code>
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    </b:CodeValue>
    <b:CodeValue>
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        <b:Value>RyanAir</b:Value>
    </b:CodeValue>
    <b:CodeValue>
        <b:Code>BT</b:Code>
        <b:Value>Air Baltic</b:Value>
    </b:CodeValue>
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    <b:AirPortInfo>
        <b:City>Naples</b:City>
        <b:Iata>NAP</b:Iata>
        <b>Name>Capodichino</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Rome</b:City>
        <b:Iata>FCO</b:Iata>
        <b>Name>Leonardo da Vinci (Fiumicino)</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>SV0</b:Iata>
        <b>Name>Sheremetyevo</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>VK0</b:Iata>
        <b>Name>Vnukovo</b>Name>
    </b:AirPortInfo>
    <b:AirPortInfo>
        <b:City>Simferopol</b:City>
        <b:Iata>SIP</b:Iata>
        <b>Name>Simferopol</b>Name>
    </b:AirPortInfo>

```

```

<b:AirPortInfo>
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  <b:Iata>DME</b:Iata>
  <b>Name>Domodedovo</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Sochi</b:City>
  <b:Iata>AER</b:Iata>
  <b>Name>Adler</b>Name>
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  <b:Iata>AMS</b:Iata>
  <b>Name>Schiphol</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Naples</b:City>
  <b:Iata>INP</b:Iata>
  <b>Name>Naples Central Railway Station</b>Name>
</b:AirPortInfo>
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  <b:Iata>XRJ</b:Iata>
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  <b:Iata>OTP</b:Iata>
  <b>Name>Henri Coanda</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Milan</b:City>
  <b:Iata>MXP</b:Iata>
  <b>Name>Malpensa</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Zurich</b:City>
  <b:Iata>ZRH</b:Iata>
  <b>Name>Zürich-Kloten</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Lviv</b:City>
  <b:Iata>LWO</b:Iata>
  <b>Name>SkiLow</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Minsk</b:City>
  <b:Iata>MSQ</b:Iata>
  <b>Name>Minsk 2</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Turin</b:City>
  <b:Iata>TRN</b:Iata>
  <b>Name>Sandro Pertini (case)lle</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Chisinau</b:City>
  <b:Iata>KIV</b:Iata>
  <b>Name>Kishinev</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>
  <b:City>Tel Aviv</b:City>
  <b:Iata>TLV</b:Iata>
  <b>Name>Ben Gurion</b>Name>
</b:AirPortInfo>
<b:AirPortInfo>

```

```

    <b:City>Samara</b:City>
    <b:Iata>KUF</b:Iata>
    <b>Name>Kurumoch</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Munich</b:City>
    <b:Iata>MUC</b:Iata>
    <b>Name>Franz Josef Strauss</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Athens</b:City>
    <b:Iata>ATH</b:Iata>
    <b>Name>Eleftherios Venizelos</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Paris</b:City>
    <b:Iata>CDG</b:Iata>
    <b>Name>Charles De Gaulle</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Barcelona</b:City>
    <b:Iata>BCN</b:Iata>
    <b>Name>El Prat De Llobregat</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Riga</b:City>
    <b:Iata>RIX</b:Iata>
    <b>Name>Riga</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Saint Petersburg</b:City>
    <b:Iata>LED</b:Iata>
    <b>Name>Pulkovo</b>Name>
  </b:AirPortInfo>
  <b:AirPortInfo>
    <b:City>Milan</b:City>
    <b:Iata>LIN</b:Iata>
    <b>Name>Linate</b>Name>
  </b:AirPortInfo>
</a:AirPorts>
<a:FlightData>
  <a:FlightData>

```

```

<a:OfferCode>RUAyQDBAMUAWQE5BUH5TSVB_MjAxOS0xNi0wMUBGYWxzZUAjISMjMTktMTYtMDEgMTU6NDB8MTktMTYtMDEgMTY6MzB8bmFwfGZjb
yMjMTktMTctMDEgMTA6MzB8MTktMTctMDEgMTY6MTV8ZmNvfHN2byMjMTktMTgtMDEgMTE6MDB8MTktMTgtMDEgMTM6MzB8dmtvfHNpcCMmJkZhbHN
l</a:OfferCode>

```

```

  <a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
    <b:OfferInfo>
      <b:Rph>1</b:Rph>
      <b:Segments>
        <b:OfferSegment>
          <b:AirCraft> Airbus A319</b:AirCraft>
          <b:Arrival>
            <b>Date>16.01.2019 16:30</b>Date>
            <b:Iata>FCO</b:Iata>
          </b:Arrival>
          <b:Baggage>
            <b:BaggageType>Nil</b:BaggageType>
            <b:Count>0</b:Count>
          </b:Baggage>
          <b:Departure>
            <b>Date>16.01.2019 15:40</b>Date>
            <b:Iata>NAP</b:Iata>
          </b:Departure>
          <b:FlightClass>Econom</b:FlightClass>
          <b:FlightMinutes>50</b:FlightMinutes>
        </b:OfferSegment>
      </b:Segments>
    </b:OfferInfo>
  </a:Offers>

```

```

<b:FlightNum>AZ-1270</b:FlightNum>
<b:FlightTime>00:50:00</b:FlightTime>
<b:MarketingAirline>AZ</b:MarketingAirline>
<b:OperatingAirline>AZ</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
  <b:AirCRAFT>Airbus 320 Series</b:AirCRAFT>
  <b:Arrival>
    <b:Date>17.01.2019 16:15</b:Date>
    <b:Iata>SV0</b:Iata>
  </b:Arrival>
  <b:Baggage>
    <b:BaggageType>Nil</b:BaggageType>
    <b:Count>0</b:Count>
  </b:Baggage>
  <b:Departure>
    <b:Date>17.01.2019 10:30</b:Date>
    <b:Iata>FC0</b:Iata>
  </b:Departure>
  <b:FlightClass>Econom</b:FlightClass>
  <b:FlightMinutes>225</b:FlightMinutes>
  <b:FlightNum>AZ-548</b:FlightNum>
  <b:FlightTime>03:45:00</b:FlightTime>
  <b:MarketingAirline>AZ</b:MarketingAirline>
  <b:OperatingAirline>AZ</b:OperatingAirline>
  <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
  <b:Rph>1</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>AZ</b:ValidatingAirline>
</b:OfferInfo>
<b:OfferInfo>
  <b:Rph>1</b:Rph>
  <b:Segments>
    <b:OfferSegment>
      <b:AirCRAFT> Sukhoi Superjet 100</b:AirCRAFT>
      <b:Arrival>
        <b:Date>18.01.2019 13:30</b:Date>
        <b:Iata>SIP</b:Iata>
        <b:Terminal>1 </b:Terminal>
      </b:Arrival>
      <b:Baggage>
        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>1</b:Count>
      </b:Baggage>
      <b:Departure>
        <b:Date>18.01.2019 11:00</b:Date>
        <b:Iata>VK0</b:Iata>
        <b:Terminal>A </b:Terminal>
      </b:Departure>
      <b:FlightClass>Econom</b:FlightClass>
      <b:FlightMinutes>150</b:FlightMinutes>
      <b:FlightNum>A4-405</b:FlightNum>
      <b:FlightTime>02:30:00</b:FlightTime>
      <b:MarketingAirline>A4</b:MarketingAirline>
      <b:OperatingAirline>A4</b:OperatingAirline>
      <b:ResBookDesigQuantity>6</b:ResBookDesigQuantity>
      <b:Rph>1</b:Rph>
      <b:SelfConnect>true</b:SelfConnect>
    </b:OfferSegment>
  </b:Segments>
  <b:ValidatingAirline>A4</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>

```

<a:Rating>0</a:Rating>
<a:TotalPrice>449.52</a:TotalPrice>
</a:FlightData>
<a:FlightData>

<a:OfferCode>RUAYQDBAMUAWQE5BUH5TSVB_MjAxOS0xNi0wMUBGYWxzZUAjISMjMTktMTYtMDEgMTU6NDB8MTktMTYtMDEgMTY6MzB8bmFwfGZjb
yMjMTktMTYtMDEgMjE6MzB8MTktMTctMDEgMDM6MTV8ZmNvFHN2byMjMTktMTctMDEgMTI6MTB8MTktMTctMDEgMTQ6NDV8ZG1lfHNpcCMmJkZhbHN
l</a:OfferCode>

<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">

<b:OfferInfo>

<b:Rph>1</b:Rph>

<b:Segments>

<b:OfferSegment>

<b:AirCraft> Airbus A319</b:AirCraft>

<b:Arrival>

Date>16.01.2019 16:30Date>

<b:Iata>FCO</b:Iata>

</b:Arrival>

<b:Baggage>

<b:BaggageType>Nil</b:BaggageType>

<b:Count>0</b:Count>

</b:Baggage>

<b:Departure>

Date>16.01.2019 15:40Date>

<b:Iata>NAP</b:Iata>

</b:Departure>

<b:FlightClass>Econom</b:FlightClass>

<b:FlightMinutes>50</b:FlightMinutes>

<b:FlightNum>AZ-1270</b:FlightNum>

<b:FlightTime>00:50:00</b:FlightTime>

<b:MarketingAirline>AZ</b:MarketingAirline>

<b:OperatingAirline>AZ</b:OperatingAirline>

<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>

<b:Rph>1</b:Rph>

</b:OfferSegment>

<b:OfferSegment>

<b:AirCraft>Airbus 320 Series</b:AirCraft>

<b:Arrival>

Date>17.01.2019 03:15Date>

<b:Iata>SVO</b:Iata>

</b:Arrival>

<b:Baggage>

<b:BaggageType>Nil</b:BaggageType>

<b:Count>0</b:Count>

</b:Baggage>

<b:Departure>

Date>16.01.2019 21:30Date>

<b:Iata>FCO</b:Iata>

</b:Departure>

<b:FlightClass>Econom</b:FlightClass>

<b:FlightMinutes>225</b:FlightMinutes>

<b:FlightNum>AZ-596</b:FlightNum>

<b:FlightTime>03:45:00</b:FlightTime>

<b:MarketingAirline>AZ</b:MarketingAirline>

<b:OperatingAirline>AZ</b:OperatingAirline>

<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>

<b:Rph>1</b:Rph>

</b:OfferSegment>

</b:Segments>

<b:ValidatingAirline>AZ</b:ValidatingAirline>

</b:OfferInfo>

<b:OfferInfo>

<b:Rph>1</b:Rph>

```

<b:Segments>
  <b:OfferSegment>
    <b:AirCrafft> Airbus A321</b:AirCrafft>
    <b:Arrival>
      <b:Date>17.01.2019 14:45</b:Date>
      <b:Iata>SIP</b:Iata>
    </b:Arrival>
    <b:Baggage>
      <b:BaggageType>NilSelect</b:BaggageType>
      <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
      <b:Date>17.01.2019 12:10</b:Date>
      <b:Iata>DME</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>155</b:FlightMinutes>
    <b:FlightNum>5N-6307</b:FlightNum>
    <b:FlightTime>02:35:00</b:FlightTime>
    <b:MarketingAirline>5N</b:MarketingAirline>
    <b:OperatingAirline>WZ</b:OperatingAirline>
    <b:ResBookDesigQuantity>4</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
    <b:SelfConnect>true</b:SelfConnect>
  </b:OfferSegment>
</b:Segments>
  <b:ValidatingAirline>5N</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>0</a:Rating>
<a:TotalPrice>456.07</a:TotalPrice>
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<a:FlightData>

```

```

<a:OfferCode>RUAYQDBAMUAwQE5BUH5TSVB_MjAxOS0xNi0wMUBGYWxzZUAjISMjMTktMTYtMDEgMTU6NDB8MTktMTYtMDEgMTY6MzB8bmFwfGZjbyMjMTktMTYtMDEgMjE6MzB8MTktMTctMDEgMDM6MTV8ZmNvfHN2byMjMTktMTctMDEgMTQ6MDV8MTktMTctMDEgMTY6MjV8ZG1lfHNpcCMmJkZhbHNl</a:OfferCode>

```

```

<a:Offers
  <b:OfferInfo>
    <b:Rph>1</b:Rph>
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      <b:OfferSegment>
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        <b:Arrival>
          <b:Date>16.01.2019 16:30</b:Date>
          <b:Iata>FCO</b:Iata>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Nil</b:BaggageType>
          <b:Count>0</b:Count>
        </b:Baggage>
        <b:Departure>

```



```

        <b:Date>16.01.2019 15:40</b:Date>
        <b:Iata>NAP</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>50</b:FlightMinutes>
    <b:FlightNum>AZ-1270</b:FlightNum>
    <b:FlightTime>00:50:00</b:FlightTime>
    <b:MarketingAirline>AZ</b:MarketingAirline>
    <b:OperatingAirline>AZ</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
    <b:AirCraft>Airbus 320 Series</b:AirCraft>
    <b:Arrival>
        <b:Date>17.01.2019 03:15</b:Date>
        <b:Iata>SVO</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>Nil</b:BaggageType>
        <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
        <b:Date>16.01.2019 21:30</b:Date>
        <b:Iata>FCO</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>225</b:FlightMinutes>
    <b:FlightNum>AZ-596</b:FlightNum>
    <b:FlightTime>03:45:00</b:FlightTime>
    <b:MarketingAirline>AZ</b:MarketingAirline>
    <b:OperatingAirline>AZ</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>AZ</b:ValidatingAirline>
</b:OfferInfo>
<b:OfferInfo>
    <b:Rph>1</b:Rph>
    <b:Segments>
        <b:OfferSegment>
            <b:AirCraft> Airbus A320</b:AirCraft>
            <b:Arrival>
                <b:Date>17.01.2019 16:25</b:Date>
                <b:Iata>SIP</b:Iata>
            </b:Arrival>
            <b:Baggage>
                <b:BaggageType>Kilos</b:BaggageType>
                <b:Count>10</b:Count>
            </b:Baggage>
            <b:Departure>
                <b:Date>17.01.2019 14:05</b:Date>

```

```
        <b:Iata>DME</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>200</b:FlightMinutes>
    <b:FlightNum>U6-521</b:FlightNum>
    <b:FlightTime>03:20:00</b:FlightTime>
    <b:MarketingAirline>U6</b:MarketingAirline>
    <b:OperatingAirline>U6</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
    <b:SelfConnect>true</b:SelfConnect>
    </b:OfferSegment>
</b:Segments>
    <b:ValidatingAirline>U6</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>0</a:Rating>
<a:TotalPrice>466.93</a:TotalPrice>
</a:FlightData>
<a:FlightData>
```

```
<a:OfferCode>RUAYQDBAMUAWQE5BUH5TSVB_MjAxOS0xNi0wMUBGYWxzZUAjISMjMTktMTYtMDEgMTU6NDB8MTktMTYtMDEgMTY6MzB8bmFwfGZjbyMjMTktMTYtMDEgMjE6MzB8MTktMTctMDEgMDM6MTV8ZmNvfHN2byMjMTktMTctMDEgMTA6MDB8MTktMTctMDEgMTI6MzB8ZG1lfHNpcCMmJkZhbHNl</a:OfferCode>
```

```
<a:Offers
```

```
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
```

```
  <b:OfferInfo>
```

```
    <b:Rph>1</b:Rph>
```

```
    <b:Segments>
```

```
      <b:OfferSegment>
```

```
        <b:AirCraft> Airbus A319</b:AirCraft>
```

```
        <b:Arrival>
```

```
          <b>Date>16.01.2019 16:30</b>Date>
```

```
          <b:Iata>FCO</b:Iata>
```

```
        </b:Arrival>
```

```
        <b:Baggage>
```

```
          <b:BaggageType>Nil</b:BaggageType>
```

```
          <b:Count>0</b:Count>
```

```
        </b:Baggage>
```

```
        <b:Departure>
```

```
          <b>Date>16.01.2019 15:40</b>Date>
```

```
          <b:Iata>NAP</b:Iata>
```

```
        </b:Departure>
```

```
        <b:FlightClass>Econom</b:FlightClass>
```

```
        <b:FlightMinutes>50</b:FlightMinutes>
```

```
        <b:FlightNum>AZ-1270</b:FlightNum>
```

```
        <b:FlightTime>00:50:00</b:FlightTime>
```

```
        <b:MarketingAirline>AZ</b:MarketingAirline>
```

```
        <b:OperatingAirline>AZ</b:OperatingAirline>
```

```
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
```

```
        <b:Rph>1</b:Rph>
```

```
      </b:OfferSegment>
```

```
    <b:OfferSegment>
```

```

    <b:AirCraft>Airbus 320 Series</b:AirCraft>
    <b:Arrival>
      <b>Date>17.01.2019 03:15</b>Date>
      <b:Iata>SV0</b:Iata>
    </b:Arrival>
    <b:Baggage>
      <b:BaggageType>Nil</b:BaggageType>
      <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
      <b>Date>16.01.2019 21:30</b>Date>
      <b:Iata>FC0</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>225</b:FlightMinutes>
    <b:FlightNum>AZ-596</b:FlightNum>
    <b:FlightTime>03:45:00</b:FlightTime>
    <b:MarketingAirline>AZ</b:MarketingAirline>
    <b:OperatingAirline>AZ</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>1</b:Rph>
  </b:OfferSegment>
</b:Segments>
  <b:ValidatingAirline>AZ</b:ValidatingAirline>
</b:OfferInfo>
<b:OfferInfo>
  <b:Rph>1</b:Rph>
  <b:Segments>
    <b:OfferSegment>
      <b:AirCraft> Airbus A320</b:AirCraft>
      <b:Arrival>
        <b>Date>17.01.2019 12:30</b>Date>
        <b:Iata>SIP</b:Iata>
      </b:Arrival>
      <b:Baggage>
        <b:BaggageType>Kilos</b:BaggageType>
        <b:Count>10</b:Count>
      </b:Baggage>
      <b:Departure>
        <b>Date>17.01.2019 10:00</b>Date>
        <b:Iata>DME</b:Iata>
      </b:Departure>
      <b:FlightClass>Econom</b:FlightClass>
      <b:FlightMinutes>210</b:FlightMinutes>
      <b:FlightNum>U6-2831</b:FlightNum>
      <b:FlightTime>03:30:00</b:FlightTime>
      <b:MarketingAirline>U6</b:MarketingAirline>
      <b:OperatingAirline>U6</b:OperatingAirline>
      <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
      <b:Rph>1</b:Rph>
      <b:SelfConnect>true</b:SelfConnect>
    </b:OfferSegment>
  </b:Segments>

```

```
        <b:ValidatingAirline>U6</b:ValidatingAirline>
      </b:OfferInfo>
    </a:Offers>
    <a:Rating>0</a:Rating>
    <a:TotalPrice>466.93</a:TotalPrice>
  </a:FlightData>
  .....
</a:FlightData>
<a:ResultCount>60</a:ResultCount>
<a:SearchGuid>fef6154b-46cf-49d8-951e-ca3bb3153be8</a:SearchGuid>
</AeroSearchResult>
</AeroSearchResponse>
</s:Body>
</s:Envelope>
```

2.1.4. Result filter

Results can be filtered by number of stopovers or by airline.

MaxTransfers – maximum number of stopovers in any of the directions. 0 - direct flights only.

PreferredAirline – airline codes.

Request example.

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteAvia/AeroSearch"
Host: test-api.xml.agency
Content-Length: 1340
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroSearch xmlns="http://tempuri.org/"
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <a:ApiLogin>test</a:ApiLogin>
          <a:ApiPassword>test</a:ApiPassword>
          <a:AuthExtendedData i:nil="true"/>
          <a:Currency>EUR</a:Currency>
          <a:DeviceId>test</a:DeviceId>
          <a:Language>EN</a:Language>
          <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
        </credentials>
        <aeroSearchParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
          xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <a:Adults>2</a:Adults>
          <a:AeroFilters>
            <a:MaxTransfers>0</a:MaxTransfers>
            <a:PreferredAirline>SU,LH</a:PreferredAirline>
          </a:AeroFilters>
          <a:Childs>0</a:Childs>
          <a:ExtendedParams i:nil="true"/>
          <a:FlightClass>Economy</a:FlightClass>
          <a:Infants>1</a:Infants>
          <a:PartnerName i:nil="true"/>
          <a:SearchFlights>
            <a:SearchFlight>
              <a:Date>16.05.2019</a:Date>
              <a:IATAFrom>MOW</a:IATAFrom>
              <a:IATATo>LED</a:IATATo>
            </a:SearchFlight>
          </a:SearchFlights>
        </aeroSearchParams>
      </AeroSearch>
    </s:Body>
  </s:Envelope>
```

2.1.5 Multi-City flights

The system allows to search multi-city. For example: OMS – BER 16 June

MUC – OMS 18 June

OMS – MOW 22 June

Request and response example.

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8;
action="http://tempuri.org/ISiteAvia/AeroSearch"
Host: api.city.travel
Content-Length: 1528
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroSearch xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>RUB</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <aeroSearchParams
xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Adults>2</a:Adults>
        <a:AeroFilters i:nil="true"/>
        <a:Childs>1</a:Childs>
        <a:ExtendedParams i:nil="true"/>
        <a:FlightClass>Econom</a:FlightClass>
        <a:Infants>1</a:Infants>
        <a:PartnerName i:nil="true"/>
        <a:SearchFlights>
          <a:SearchFlight>
            <a>Date>16.06.2019</a>Date>
            <a:IATAFrom>OMS</a:IATAFrom>
            <a:IATATo>BER</a:IATATo>
          </a:SearchFlight>
          <a:SearchFlight>
```

```

        <a:Date>18.06.2019</a:Date>
        <a:IATAFrom>MUC</a:IATAFrom>
        <a:IATATo>OMS</a:IATATo>
    </a:SearchFlight>
    <a:SearchFlight>
        <a:Date>22.06.2019</a:Date>
        <a:IATAFrom>OMS</a:IATAFrom>
        <a:IATATo>MOW</a:IATATo>
    </a:SearchFlight>
</a:SearchFlights>
</aeroSearchParams>
</AeroSearch>
</s:Body>
</s:Envelope>

```

```

HTTP/1.1 200 OK
Content-Length: 80320
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 22 Apr 2019 11:49:10 GMT

```

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroSearchResponse xmlns="http://tempuri.org/">
      <AeroSearchResult
xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Search"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">RUB</Currency>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://10.10.1.139:672/C
ity24ServiceAvia6</ServiceUrl>
        <Success
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">>true</Success>
        <a:AirCompany
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
          <b:CodeValue>
            <b:Code>U6</b:Code>
            <b:Value>Ural Airlines</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>S7</b:Code>
            <b:Value>S7 Airlines</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>SU</b:Code>
            <b:Value>Aeroflot</b:Value>
          </b:CodeValue>
          <b:CodeValue>
            <b:Code>FV</b:Code>
            <b:Value>Rossiya Airlines</b:Value>
          </b:CodeValue>

```

```

    </a:AirCompany>
    <a:AirPorts
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
      <b:AirPortInfo>
        <b:City>Omsk</b:City>
        <b:Iata>OMS</b:Iata>
        <b:Name>Omsk</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>DME</b:Iata>
        <b:Name>Domodedovo</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Berlin</b:City>
        <b:Iata>TXL</b:Iata>
        <b:Name>Berlin-tegel / Otto Lilienthal</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Munich</b:City>
        <b:Iata>MUC</b:Iata>
        <b:Name>Franz Josef Strauss</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Moscow</b:City>
        <b:Iata>SVO</b:Iata>
        <b:Name>Sheremetyevo</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Berlin</b:City>
        <b:Iata>SXF</b:Iata>
        <b:Name>Schoenefeld</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Saint Petersburg</b:City>
        <b:Iata>LED</b:Iata>
        <b:Name>Pulkovo</b:Name>
      </b:AirPortInfo>
      <b:AirPortInfo>
        <b:City>Berlin</b:City>
        <b:Iata>BER</b:Iata>
        <b:Name>Berlin Area</b:Name>
      </b:AirPortInfo>
    </a:AirPorts>
    <a:FlightData>
      <a:FlightData>

```

```

<a:OfferCode>RUAYQDFAMUAwQE9NU35CRVJ_MjAxOS0xNi0wNmBNVUN_T01TfjIwMTktMTgtMDZgT01Tfk1PV34yMD
E5LTIyLTA2QC0xQCMhIyMxOS0xNi0wNiAwNj0zMHwxOS0xNi0wNiAwNz0xMHxvbXN8ZG1lIyMxOS0xNi0wNiAxMj00M
HwxOS0xNi0wNiAxND0zNXxkbWV8dHhsIyMxOS0xOC0wNiAxNz0wMHwxOS0xOC0wNiAyMT0wNXxtdWN8ZG1lIyMxOS0x
OC0wNiAyMz0wNXwxOS0xOS0wNiAwNT0yMHxkbWV8b21zIyMxOS0yMi0wNiAwNj0zMHwxOS0yMi0wNiAwNz0xMHxvbXN
8ZG1lIyYmRmFsc2U-b</a:OfferCode>

```



```

<a:Offers
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:AirCrafter>Airbus A321-100/200</b:AirCrafter>
        <b:Arrival>
          <b:Date>16.06.2019 07:10</b:Date>
          <b:Iata>DME</b:Iata>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:Date>16.06.2019 06:30</b:Date>
          <b:Iata>OMS</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>220</b:FlightMinutes>
        <b:FlightNum>U6-388</b:FlightNum>
        <b:FlightTime>03:40:00</b:FlightTime>
        <b:MarketingAirline>U6</b:MarketingAirline>
        <b:OperatingAirline>U6</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
      </b:OfferSegment>
      <b:OfferSegment>
        <b:AirCrafter>Airbus A319</b:AirCrafter>
        <b:Arrival>
          <b:Date>16.06.2019 14:35</b:Date>
          <b:Iata>TXL</b:Iata>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:Date>16.06.2019 12:40</b:Date>
          <b:Iata>DME</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>175</b:FlightMinutes>
        <b:FlightNum>S7-895</b:FlightNum>
        <b:FlightTime>02:55:00</b:FlightTime>
        <b:MarketingAirline>S7</b:MarketingAirline>
        <b:OperatingAirline>S7</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
      </b:OfferSegment>
      <b:OfferSegment>
        <b:AirCrafter>Airbus A320-100/200</b:AirCrafter>

```

<b:Arrival>
 Date>18.06.2019 21:05Date>
 <b:Iata>DME</b:Iata>
</b:Arrival>
<b:Baggage>
 <b:BaggageType>Pieces</b:BaggageType>
 <b:Count>1</b:Count>
</b:Baggage>
<b:Departure>
 Date>18.06.2019 17:00Date>
 <b:Iata>MUC</b:Iata>
</b:Departure>
<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>185</b:FlightMinutes>
<b:FlightNum>S7-898</b:FlightNum>
<b:FlightTime>03:05:00</b:FlightTime>
<b:MarketingAirline>S7</b:MarketingAirline>
<b:OperatingAirline>S7</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>2</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
 <b:AirCRAFT>Airbus A321-100/200AirCRAFT>
 <b:Arrival>
 Date>19.06.2019 05:20Date>
 <b:Iata>OMS</b:Iata>
 </b:Arrival>
 <b:Baggage>
 <b:BaggageType>Pieces</b:BaggageType>
 <b:Count>1</b:Count>
 </b:Baggage>
 <b:Departure>
 Date>18.06.2019 23:15Date>
 <b:Iata>DME</b:Iata>
 </b:Departure>
 <b:FlightClass>Econom</b:FlightClass>
 <b:FlightMinutes>185</b:FlightMinutes>
 <b:FlightNum>U6-387</b:FlightNum>
 <b:FlightTime>03:05:00</b:FlightTime>
 <b:MarketingAirline>U6</b:MarketingAirline>
 <b:OperatingAirline>U6</b:OperatingAirline>
 <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
 <b:Rph>2</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
 <b:AirCRAFT>Airbus A321-100/200AirCRAFT>
 <b:Arrival>
 Date>22.06.2019 07:10Date>
 <b:Iata>DME</b:Iata>
 </b:Arrival>
 <b:Baggage>
 <b:BaggageType>Pieces</b:BaggageType>
 <b:Count>1</b:Count>

```
</b:Baggage>
<b:Departure>
  <b>Date>22.06.2019 06:30</b>Date>
  <b:Iata>OMS</b:Iata>
</b:Departure>
<b:FlightClass>Econom</b:FlightClass>
<b:FlightMinutes>220</b:FlightMinutes>
<b:FlightNum>U6-388</b:FlightNum>
<b:FlightTime>03:40:00</b:FlightTime>
<b:MarketingAirline>U6</b:MarketingAirline>
<b:OperatingAirline>U6</b:OperatingAirline>
<b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
<b:Rph>3</b:Rph>
</b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>S7</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>0</a:Rating>
<a:TotalPrice>149026</a:TotalPrice>
</a:FlightData>
<a:FlightData>
```

```
<a:OfferCode>RUAYQDFAMUAWQE9NU35CRVJ_MjAx0S0xNi0wNmBNVUN_T01TfjIwMTktMTgtMDZgT01Tfk1PV34yMD
E5LTiYLTa2QC0xQCMhIyMx0S0xNi0wNiAwNT01MHwx0S0xNi0wNiAwNjoyNXxvbXN8c3ZvIyMx0S0xNi0wNiAxMT0yM
Hwx0S0xNi0wNiAxMzoxMHxzdm98c3hmIyMx0S0x0C0wNiAxMjoxMHwx0S0x0C0wNiAxNT01NXxtdWN8bGVkIyMx0S0x
0C0wNiAyMT00NXwx0S0x0S0wNiAwNDoyNXxsZWR8b21zIyMx0S0yMi0wNiAwNT01MHwx0S0yMi0wNiAwNjoyNXxvbXN
8c3ZvIyYmRmFsc2U-b</a:OfferCode>
```

```
<a:Offers
```

```
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
```

```
<b:OfferInfo>
```

```
<b:Rph>1</b:Rph>
```

```
<b:Segments>
```

```
<b:OfferSegment>
```

```
<b:Aircraft> Airbus A320</b:Aircraft>
```

```
<b:Arrival>
```

```
<b>Date>16.06.2019 06:25</b>Date>
```

```
<b:Iata>SVO</b:Iata>
```

```
</b:Arrival>
```

```
<b:Baggage>
```

```
<b:BaggageType>Pieces</b:BaggageType>
```

```
<b:Count>1</b:Count>
```

```
</b:Baggage>
```

```
<b:Departure>
```

```
<b>Date>16.06.2019 05:50</b>Date>
```

```
<b:Iata>OMS</b:Iata>
```

```
</b:Departure>
```

```
<b:FlightClass>Econom</b:FlightClass>
```

```
<b:FlightMinutes>215</b:FlightMinutes>
```

```
<b:FlightNum>SU-1763</b:FlightNum>
```

```
<b:FlightTime>03:35:00</b:FlightTime>
```

```
<b:MarketingAirline>SU</b:MarketingAirline>
```

```
<b:OperatingAirline>SU</b:OperatingAirline>
```

```

        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
    </b:OfferSegment>
    <b:OfferSegment>
        <b:AirCrafft>Airbus A320-100/200</b:AirCrafft>
        <b:Arrival>
            <b:Date>16.06.2019 13:10</b:Date>
            <b:Iata>SXF</b:Iata>
        </b:Arrival>
        <b:Baggage>
            <b:BaggageType>Pieces</b:BaggageType>
            <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
            <b:Date>16.06.2019 11:20</b:Date>
            <b:Iata>SVO</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>170</b:FlightMinutes>
        <b:FlightNum>SU-2318</b:FlightNum>
        <b:FlightTime>02:50:00</b:FlightTime>
        <b:MarketingAirline>SU</b:MarketingAirline>
        <b:OperatingAirline>SU</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
    </b:OfferSegment>
    <b:OfferSegment>
        <b:AirCrafft>Airbus A319</b:AirCrafft>
        <b:Arrival>
            <b:Date>18.06.2019 15:55</b:Date>
            <b:Iata>LED</b:Iata>
        </b:Arrival>
        <b:Baggage>
            <b:BaggageType>Pieces</b:BaggageType>
            <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
            <b:Date>18.06.2019 12:10</b:Date>
            <b:Iata>MUC</b:Iata>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>165</b:FlightMinutes>
        <b:FlightNum>SU-6658</b:FlightNum>
        <b:FlightTime>02:45:00</b:FlightTime>
        <b:MarketingAirline>SU</b:MarketingAirline>
        <b:OperatingAirline>FV</b:OperatingAirline>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>2</b:Rph>
    </b:OfferSegment>
    <b:OfferSegment>
        <b:AirCrafft>Airbus A319</b:AirCrafft>
        <b:Arrival>
            <b:Date>19.06.2019 04:25</b:Date>

```

```

        <b:Iata>OMS</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>1</b:Count>
    </b:Baggage>
    <b:Departure>
        <b>Date>18.06.2019 21:45</b>Date>
        <b:Iata>LED</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>220</b:FlightMinutes>
    <b:FlightNum>SU-6471</b:FlightNum>
    <b:FlightTime>03:40:00</b:FlightTime>
    <b:MarketingAirline>SU</b:MarketingAirline>
    <b:OperatingAirline>FV</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>2</b:Rph>
</b:OfferSegment>
<b:OfferSegment>
    <b:AirCraft> Airbus A320</b:AirCraft>
    <b:Arrival>
        <b>Date>22.06.2019 06:25</b>Date>
        <b:Iata>SV0</b:Iata>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>1</b:Count>
    </b:Baggage>
    <b:Departure>
        <b>Date>22.06.2019 05:50</b>Date>
        <b:Iata>OMS</b:Iata>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>215</b:FlightMinutes>
    <b:FlightNum>SU-1763</b:FlightNum>
    <b:FlightTime>03:35:00</b:FlightTime>
    <b:MarketingAirline>SU</b:MarketingAirline>
    <b:OperatingAirline>SU</b:OperatingAirline>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>3</b:Rph>
</b:OfferSegment>
</b:Segments>
    <b:ValidatingAirline>SU</b:ValidatingAirline>
</b:OfferInfo>
</a:Offers>
<a:Rating>0</a:Rating>
<a:TotalPrice>301087</a:TotalPrice>
</a:FlightData>
</a:FlightData>
<a:ResultCount>21</a:ResultCount>
<a:SearchGuid>49b42420-d911-4080-9a18-536fc27f0bfc</a:SearchGuid>
</AeroSearchResult>

```

```
</AeroSearchResponse>  
</s:Body>  
</s:Envelope>
```

2.2 Pre-booking

At the pre-booking stage, the system creates an armor for the reservation, the possible options for tariffs, the methods of payment available for this offer and the prices for them are determined. An example of a pre-booking request for AeroPrebook is as follows:

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteAvia/AeroPrebook"
Host: test-api.xml.agency
Content-Length: 1208
Expect: 100-continue
Accept-Encoding: gzip, deflate
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroPrebook xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <aeroPrebookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Prebook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:OfferCode>RUAYQDFAMUAWQExFRH5CQUt_MjAxOC0wNy0wNmBCQUt_TEVEfjIwMTgtMTUtdMDZARmFsc2VAIyEjIzE4LTA3LTA2IDIzOjEwfwDE4L
TA4LTA2IDAzOjQ1fGxlZHXneWQjIzE4LTE1LTA2IDE5OjAwfDE4LTE1LTA2IDIyOjEwfwGd5ZHxsZWQjJiZGYWxzZQ</a:OfferCode>
        <a:SearchGuid>e7c003c6-2241-4072-b526-2cab38cd62ed</a:SearchGuid>
      </aeroPrebookParams>
    </AeroPrebook>
  </s:Body>
</s:Envelope>
```

The OfferCode (Offer ID) and SearchGuid fields (Search Session ID) are taken directly from the search results. If there are no errors, the answer to the AeroPrebook request looks, for example, like this:

```
HTTP/1.1 200 OK
Content-Length: 5286
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Tue, 24 Apr 2018 11:30:17 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroPrebookResponse xmlns="http://tempuri.org/">
      <AeroPrebookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Prebook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:AllianceInfo/>
        <a:BookLimit>None</a:BookLimit>
        <a:FullPrice>994.55</a:FullPrice>
      </AeroPrebookResult>
    </AeroPrebookResponse>
  </s:Body>
</s:Envelope>
```

```

<a:LatNames>true</a:LatNames>
<a:OfferCode>RUAYQDFAMUAWQEXFRH5CQUT_MjAxOC0wNy0wNmBCQUT_TEVEfjIwMTgtMTUtMDZARmFsc2VAIyEjIzE4LTA3LTA2IDIzOjEwEwFDE4L
TA4LTA2IDAzOjQ1fGxLZHxneWQjIzE4LTE1LTA2IDE5OjAwfDE4LTE1LTA2IDIyOjEwEwFgd5ZHxsZWQjJiZGYWxzZQ</a:OfferCode>
<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Hidden>false</b:Hidden>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:AirCraFt>Embraer 190</b:AirCraFt>
        <b:Arrival>
          <b:City>Baku</b:City>
          <b:Date>08.06.2018 03:45</b:Date>
          <b:Iata>GYD</b:Iata>
          <b:Name>Heydar Aliyev</b:Name>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:City>Saint Petersburg</b:City>
          <b:Date>07.06.2018 23:10</b:Date>
          <b:Iata>LED</b:Iata>
          <b:Name>Pulkovo</b:Name>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>215</b:FlightMinutes>
        <b:FlightNum>J2-9020</b:FlightNum>
        <b:FlightTime>03:35:00</b:FlightTime>
        <b:MarketingAirline>J2</b:MarketingAirline>
        <b:MarketingAirlineName>Azerbaijan Airlines</b:MarketingAirlineName>
        <b:OperatingAirline>J2</b:OperatingAirline>
        <b:OperatingAirlineName>Azerbaijan Airlines</b:OperatingAirlineName>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
      </b:OfferSegment>
      <b:OfferSegment>
        <b:AirCraFt>Embraer 190</b:AirCraFt>
        <b:Arrival>
          <b:City>Saint Petersburg</b:City>
          <b:Date>15.06.2018 22:10</b:Date>
          <b:Iata>LED</b:Iata>
          <b:Name>Pulkovo</b:Name>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:City>Baku</b:City>
          <b:Date>15.06.2018 19:00</b:Date>
          <b:Iata>GYD</b:Iata>
          <b:Name>Heydar Aliyev</b:Name>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>250</b:FlightMinutes>
        <b:FlightNum>J2-9019</b:FlightNum>
        <b:FlightTime>04:10:00</b:FlightTime>
        <b:MarketingAirline>J2</b:MarketingAirline>
        <b:MarketingAirlineName>Azerbaijan Airlines</b:MarketingAirlineName>
        <b:OperatingAirline>J2</b:OperatingAirline>
        <b:OperatingAirlineName>Azerbaijan Airlines</b:OperatingAirlineName>
        <b:ResBookDesigQuantity>5</b:ResBookDesigQuantity>
        <b:Rph>2</b:Rph>
      </b:OfferSegment>
    </b:Segments>
  </b:OfferInfo>
</a:Offers>

```



```

        </b:OfferSegment>
    </b:Segments>
    <b:ValidatingAirline>J2</b:ValidatingAirline>
    <b:ValidatingAirlineName>Azerbaijan Airlines</b:ValidatingAirlineName>
</b:OfferInfo>
</a:Offers>
<a:SearchGuid>e7c003c6-2241-4072-b526-2cab38cd62ed</a:SearchGuid>
<a:Services>
</a:Services>
</AeroPrebookResult>
</AeroPrebookResponse>
</s:Body>
</s:Envelope>

```

Description of response fields for the AeroPrebook query:

- o **BookLimit**. Used only on the site;
- o **LatNames**. If true, the names of passengers must be indicated in English. If false, then you can and in Russian;
- o **Offers, OfferInfo**. The description of the sentence segments is similar to the search segment with a few exceptions:
- o **DocumentsRequired**. If True - the document number is required. For example, for a flight within the United States, the document number can be omitted..
- o **DocumentExDateRequired**. If True – the document expire date is required.
- o **MiddleNameRequired**. If True - you must specify the middle name, if it is in the documents
- o **AdultMinAge**. – If the field is not empty, it indicates the minimum age of an adult passenger
- In addition to the fields MarketingAirline, OperatingAirline and ValidatingAirline with airline codes, the fields MarketingAirlineName, OperatingAirlineName, and ValidatingAirlineName are followed by their names;
- In the description of departure and arrival airports, in addition to the IATA code, the City (city name) and Name (airport name) fields are used.

PaymentPrices, PaymentPrice. A list of payment methods with prices for them without taking into account the choice of tariffs. Each item in the list contains the Price and payment type PaymentSourceType. **CorpPayment**. From a corporate account (Invoice).

These fields can be absent if the full integration mode is used. The final price will be in the field FullPrice.

- **Tariffs, ServiceInfo**. The list of tariffs available for selection Can be absent. Each variant contains the following fields:
 - o **AirCompany**. The code of the airline that provides the tariffs to choose from;
 - o **AirCompanyName**. Name of the airline;
 - o **Type**. Type of tariff. For each airline, different types of tariffs can come (eg baggage and hand luggage). All the incoming tariffs need to be grouped according to the airline and the type of tariff and provide the user with a choice for each of the airlines and for each type for that airline separately;
 - o **Id**. The tariff identifier is transmitted for booking and requesting full tariff rules. If there are tariffs of different airlines in the list, a list of the identifiers of the selected tariffs will be transferred;
 - o **Name**. Tariff name;
 - o **PaymentPriceMarkupData**. The list of price modifiers applied to different methods of payment. Each item in the list contains the Price modifier and the PaymentSourceType payment type (see above). If you select a modifier, you need to add it to the base price of the appropriate payment method. If there are tariffs of different airlines, then the modifiers are added together. At initial display of the list of the minimal prices it is necessary to add to them modifiers of the cheapest tariffs (usually they are equal to zero);
 - o **Text**. Brief description of the main features of the tariff.
 - o **Services, ServiceInfo**. List of add. Services available for selection. It may be absent, as in the general example. It looks similar to the tariff structure, but has the following set of fields:

- **Type**. Type of service. If there are different types of services in the list of options, then they need to be grouped and give the user a choice for each type separately;
 - **Id**. Tariff identifier, it is transmitted only for reservation. If there are different types of services in the list, a list of the identifiers of the selected services will be transferred;
 - **Name**. Name of the service variant;
 - **PaymentPriceMarkupData**. The list of price modifiers applied to different methods of payment. Each item in the list contains the Price modifier and the PaymentSourceType payment type (see above). If you select a modifier, you need to add it to the base price of the appropriate payment method. If there are different types of services, then the modifiers are summed up (and summed up with the tariff modifiers of the airlines). At the initial display of the list of minimum prices, it is necessary to add to them modifiers of the cheapest options of services (they are usually zero);
 - **Text**. Brief description of the main features of the service option.
- AllianceInfo, AllianceInfo. List of airline alliances, bonus cards which can be entered for each passenger. It may be absent, as in the presented example, if the validating airlines of the reserved offers are not included in known alliances. An example of such a field is:

```

<a:AllianceInfo>
  <a:AllianceInfo>
    <a:Alliance>Oneworld</a:Alliance>
    <a:AllianceAirCompanys xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
      <b:CodeValue>
        <b:Code>AA</b:Code>
        <b:Value>American Airlines</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>AB</b:Code>
        <b:Value>Air Berlin</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>AY</b:Code>
        <b:Value>Finnair</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>BA</b:Code>
        <b:Value>British Airways</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>CX</b:Code>
        <b:Value>Cathay Pacific Air</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>IB</b:Code>
        <b:Value>Iberia</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>QF</b:Code>
        <b:Value>Qantas</b:Value>
      </b:CodeValue>
      <b:CodeValue>
        <b:Code>QR</b:Code>
        <b:Value>Qatar</b:Value>
      </b:CodeValue>
    </a:AllianceAirCompanys>
    <a:ValidatingAirline>AB</a:ValidatingAirline>
  </a:AllianceInfo>
</a:AllianceInfo>

```

Information about each of the alliances contains the name of the Alliance, validating the company ValidatingAirline for the alliance, corresponding to one of the validating companies in OfferInfo and the list of airlines that are members of AllianceAirCompanys Alliance (Code code pairs and Value names).

To display the input fields of bonus card data, you need to map this list to the Offers structure, OfferInfo, namely to map all ValidatingAirline fields. For all represented alliances, you need to display the selection fields of one of the alliance airlines (by default, validating the AA from OfferInfo) and the fields for entering the numbers of the bonus card. If for some of the AK in OfferInfo there is no alliance in the list, you need to check all lists of AK of the alliances that have come and make sure that this AK is not on the lists. If there is no AK from OfferInfo in the incoming alliances, you need to display a separate field for entering the bonus card number for it. If information about alliances does not come at all, you need to display the bonus card entry field for each validating airline from OfferInfo (if they do not coincide with each other). The name for validating AK in alliances can be taken from both OfferInfo and from the list of AK alliances.

HTTP/1.1 200 OK
Content-Length: 17947
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Tue, 24 Apr 2018 11:33:23 GMT

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroGetRulesResponse xmlns="http://tempuri.org/">
      <AeroGetRulesResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.GetRules"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:Rules>
          <a:AeroRule>
            <a:Segments xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
              <b:OfferSegment>
                <b:AirCrafter>Embraer 190</b:AirCrafter>
                <b:Arrival>
                  <b:City>Baku</b:City>
                  <b>Date>08.06.2018 03:45</b>Date>
                  <b:Iata>GYD</b:Iata>
                  <b>Name>Heydar Aliyev</b>Name>
                </b:Arrival>
                <b:Baggage>
                  <b:BaggageType>Pieces</b:BaggageType>
                  <b:Count>1</b:Count>
                </b:Baggage>
                <b:Departure>
                  <b:City>Saint Petersburg</b:City>
                  <b>Date>07.06.2018 23:10</b>Date>
                  <b:Iata>LED</b:Iata>
                  <b>Name>Pulkovo</b>Name>
                </b:Departure>
                <b:FlightClass>Economy</b:FlightClass>
                <b:FlightMinutes>215</b:FlightMinutes>
                <b:FlightNum>J2-9020</b:FlightNum>
                <b:FlightTime>03:35:00</b:FlightTime>
                <b:MarketingAirline>J2</b:MarketingAirline>
                <b:MarketingAirlineName>Azerbaijan Airlines</b:MarketingAirlineName>
                <b:OperatingAirline>J2</b:OperatingAirline>
                <b:OperatingAirlineName>Azerbaijan Airlines</b:OperatingAirlineName>
                <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
                <b>Rph>1</b>Rph>
              </b:OfferSegment>
            </a:Segments>
          </a:AeroRule>
          <a:Text><pre>&lt;&lt;pre>&lt;&lt;div class="farerules" rel="50"&gt;&lt;h2>RULE
APPLICATION AND OTHER CONDITIONS&lt;/h2
&gt;&lt;p&gt;NOTE - THE FOLLOWING TEXT IS INFORMATIONAL AND NOT
VALIDATED FOR AUTOPRICING.
ECONOMY CLASS RESTRICTED FARES
APPLICATION
.....
</a:Text>
</a:AeroRule>
<a:AeroRule>
  <a:Segments xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
    <b:OfferSegment>
      <b:AirCrafter>Embraer 190</b:AirCrafter>
      <b:Arrival>
        <b:City>Saint Petersburg</b:City>
        <b>Date>15.06.2018 22:10</b>Date>
```

```

        <b:Iata>LED</b:Iata>
        <b>Name>Pulkovo</b>Name>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>1</b:Count>
    </b:Baggage>
    <b:Departure>
        <b:City>Baku</b:City>
        <b>Date>15.06.2018 19:00</b>Date>
        <b:Iata>GYD</b:Iata>
        <b>Name>Heydar Aliyev</b>Name>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>250</b:FlightMinutes>
    <b:FlightNum>J2-9019</b:FlightNum>
    <b:FlightTime>04:10:00</b:FlightTime>
    <b:MarketingAirline>J2</b:MarketingAirline>
    <b:MarketingAirlineName>Azerbaijan Airlines</b:MarketingAirlineName>
    <b:OperatingAirline>J2</b:OperatingAirline>
    <b:OperatingAirlineName>Azerbaijan Airlines</b:OperatingAirlineName>
    <b:ResBookDesigQuantity>5</b:ResBookDesigQuantity>
    <b>Rph>2</b>Rph>
    </b:OfferSegment>
</a:Segments>
<a:Text>
    &lt;pre>&lt;pre>&lt;div class="farerules" rel="50"&gt;&lt;h2>RULE APPLICATION AND
OTHER CONDITIONS&lt;/h2&.....
    </a:Text>
</a:AeroRule>
</a:Rules>
</AeroGetRulesResult>
</AeroGetRulesResponse>
</s:Body>
</s:Envelope>

```

2.4 Reservation

At this stage, passenger data and contact details of the client are transmitted to the server. A booking is made from the supplier (s). The final cost of the offer is specified - it may be slightly different from the cost of searching and pre-booking. This is possible if the supplier does not confirm the availability of seats for the previously offered cost and offers a different tariff option.

Example of AeroBook booking request:

POST <http://test-api.xml.agency/SiteCity> HTTP/1.1

Content-Type: application/soap+xml; charset=utf-8; action="<http://tempuri.org/ISiteAvia/AeroBook>"

Host: test-api.xml.agency

Content-Length: 2198

Expect: 100-continue

Accept-Encoding: gzip, deflate

Connection: Keep-Alive

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroBook xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <aeroBookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Booking"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ClientReference>12344</a:ClientReference>
        <a:CustomerFIO i:nil="true"/>
        <a:Email>tets@ststs.com</a:Email>
        <a:ExtendedParams i:nil="true"/>
        <a:Marker i:nil="true"/>
      </aeroBookParams>
      <a:OfferCode>RUAXQDBAMEAwQFNWWH5QUkd_MjAxOC0xNC0wOEBGYWxzZUAxISMjMTgtMTQtMDggMDc6NTV8MTgtMTQtMDggMDk6MzB8c3Z4fHByZyMmJkZhbHNL</a:OfferCode>
      <a:Partner i:nil="true"/>
      <a:PaxList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
        <b:PaxData>
          <b:AgeType>Adult</b:AgeType>
          <b:BirthDay>20.10.1980</b:BirthDay>
          <b:BirthISO>RUS</b:BirthISO>
          <b:Document>1212121212</b:Document>
          <b:GenderType>Female</b:GenderType>
          <b:MiddleName i:nil="true"/>
          <b>Name>Ivan</b>Name>
          <b:Surname>Petrov</b:Surname>
        </b:PaxData>
      </a:PaxList>
      <a:Phone>+78878787878</a:Phone>
      <a:SearchGuid>aa1eeec-83cd-4890-8103-79d3af8b36f3</a:SearchGuid>
      <a:SelectedServices i:nil="true" xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
      <a:SelectedTariffs i:nil="true" xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
      <a:Utm i:nil="true"/>
    </AeroBook>
  </s:Body>
</s:Envelope>
```

The **AeroBook** request must contain the following fields:

- **CustomerFIO**. Name and surname of the customer. You can take directly from the user's data;
- **ClientReference**. Internal booking reference of the client, 40 characters maximum. Can be used for searching orders in personal account. Unnecessary field.
- **Email**. Email address of the customer. You can take directly from the user's data;
- **OfferCode**. The identifier of the offer. It is taken from the search results;
- **PaySourceType**. The chosen method of payment (Invoice).
- **Phone**. Customer's phone number. You can take directly from the user's data;
- **SearchGuid**. Id of the search session. It is taken from the search results;
- **SelectedServices**. List of identifiers of the selected additional services. It may be absent if the service selection data does not appear in the response to the AeroPrebook request;
- **SelectedTariffs**. The list of identifiers of selected tariffs. Can be absent if the tariff selection data does not come in response to the AeroPrebook request;
- **PaxList, PaxData**. The list of passengers. Due to the number and age categories correspond to the selected search parameters. Fields for each of the passengers:
 - **AgeType**. Age category. One of three options:
 - Infant. Baby, up to 2 years;
 - Child. Children, up to 12 years;
 - Adult. Adult, up to 120 years (more - most likely an input error);
 - **BirthDay**. Date of Birth;
 - **BirthISO**. Nationality (three-letter ISO-country code);
 - **Document**. Document Number. Must be in accordance with the type of document;
 - **GenderType**. Sex (Male or Female);
 - **Name**. The name in the language according to the LatNames parameter received in the response to the AeroPrebook request;
 - **Surname**. Surname in the same language;
 - **MiddleName**. Middle name in the same language;
 - **DocumentExDate**. Document expire date;
 - **BonusCard, BonusCard**. The list of airlines and bonus maps corresponding to them. It may absent if the bonus cards are not entered, as in the main example. It consists of records containing pairs of fields of the airline (AirCompany) and card number (CardNumber). As an airline, the code of the validating airline is entered, if it does not contain information about the Alliance AllianceInfo, or the company code from the alliance list. This structure looks, for example, as follows:

```
<ns1:BonusCard>
<ns1:BonusCard>
<ns1:AirCompany>AA</ns1:AirCompany>
<ns1:CardNumber>754453</ns1:CardNumber>
</ns1:BonusCard>
<ns1:BonusCard>
<ns1:AirCompany>AI</ns1:AirCompany>
<ns1:CardNumber>9433456</ns1:CardNumber>
</ns1:BonusCard>
```


</ns1:BonusCard>

If there are no errors, the response to the AeroBook request will look, for example, like this:

HTTP/1.1 200 OK

Content-Length: 3018

Content-Type: application/soap+xml; charset=utf-8

Server: Microsoft-HTTPAPI/2.0

Date: Thu, 07 Jun 2018 10:46:42 GMT

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroBookResponse xmlns="http://tempuri.org/">
      <AeroBookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Booking"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:BookGuid>5302a98d-5376-419c-9952-73990bfb38c8</a:BookGuid>
        <a:BookId>2083</a:BookId>
        <a:ConfirmableTo>07.06.2018 14:16:41</a:ConfirmableTo>
        <a:FullPrice>219.51</a:FullPrice>
        <a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
          <b:OfferInfo>
            <b:Hidden>>false</b:Hidden>
            <b:PNR>QIOFEA</b:PNR>
            <b:RefundType>Unknown</b:RefundType>
            <b:Rph>1</b:Rph>
            <b:Segments>
              <b:OfferSegment>
                <b:AirCraFt> Airbus A320</b:AirCraFt>
                <b:Arrival>
                  <b:City>Prague</b:City>
                  <b:Date>14.08.2018 09:30</b:Date>
                  <b:Iata>PRG</b:Iata>
                  <b:Name>Ruzyne</b:Name>
                </b:Arrival>
                <b:Baggage>
                  <b:BaggageType>Kilos</b:BaggageType>
                  <b:Count>10</b:Count>
                </b:Baggage>
                <b:ChildBaggage>
                  <b:BaggageType>Kilos</b:BaggageType>
                  <b:Count>5</b:Count>
                </b:ChildBaggage>
                <b:InfantBaggage>
                  <b:BaggageType>Kilos</b:BaggageType>
                  <b:Count>0</b:Count>
                </b:InfantBaggage>
                <b:Departure>
                  <b:City>Ekaterinburg</b:City>
                  <b:Date>14.08.2018 07:55</b:Date>
                  <b:Iata>SVX</b:Iata>
                  <b:Name>Koltsovo</b:Name>
                </b:Departure>
                <b:FlightClass>Econom</b:FlightClass>
                <b:FlightMinutes>275</b:FlightMinutes>
                <b:FlightNum>U6-701</b:FlightNum>
                <b:FlightTime>04:35:00</b:FlightTime>
                <b:MarketingAirline>U6</b:MarketingAirline>
                <b:MarketingAirLineName>Ural Airlines</b:MarketingAirLineName>
                <b:OperatingAirline>U6</b:OperatingAirline>
                <b:OperatingAirLineName>Ural Airlines</b:OperatingAirLineName>
                <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
                <b:Rph>1</b:Rph>
              </b:OfferSegment>
            </b:Segments>
          </b:Offers>
        <b:TimeLimit>07.06.2018 14:16:41</b:TimeLimit>
      </AeroBookResult>
    </AeroBookResponse>
  </s:Body>
</s:Envelope>
```

```

        <b:ValidatingAirline>U6</b:ValidatingAirline>
        <b:ValidatingAirlineName>Ural Airlines</b:ValidatingAirlineName>
    </b:OfferInfo>
</a:Offers>
<a:PaxList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
    <b:PaxData>
        <b:Age>37</b:Age>
        <b:AgeType>Adult</b:AgeType>
        <b:BirthCity/>
        <b:BirthDay>20.10.1980</b:BirthDay>
        <b:BirthISO>RUS</b:BirthISO>
        <b:Document>1212121212</b:Document>
        <b:DocumentExDate>11.11.2020</b:DocumentExDate>
        <b:DocumentType>3П</b:DocumentType>
        <b:GenderType>Female</b:GenderType>
        <b:MiddleName/>
        <b>Name>Ivan</b>Name>
        <b:PassGuid>1a9de2db-13d8-479c-a316-a663820118ff</b:PassGuid>
        <b:PassPartnerId>id1</b:PassPartnerId>
        <b:Surname>Petrov</b:Surname>
    </b:PaxData>
</a:PaxList>
<a:PaymentUrl/>
<a:SearchGuid>aa1eeec-83cd-4890-8103-79d3af8b36f3</a:SearchGuid>
</AeroBookResult>
</AeroBookResponse>
</s:Body>
</s:Envelope>

```

The response to the AeroBook request contains the following fields:

- **BookId**. The ID of the reservation. Used to transfer data for payment, as well as to obtain data about it in your account, cancel reservations, send comments and much more;
- **ConfirmableTo**. The time to which you need to pay for the reservation;
- **Offers**. Structure describing the flights a the part of the booking. Similar to the pre-booking request AeroPrebook, except for the additional PNR field - the registered offer ID in the reservation. Then PNR can be used by the user to check tickets and check-in for a flight outside the City.Travel system;
- **PaxList**. The list of passengers in the form in which they are remembered by the server;
- **PaymentPrices**. Prices in accordance with the payment methods (similar to those arriving at the AeroPrebook reservation request). Attention! Prices may change when booking. For example, if the seats at the selected rate at the time of booking will end or there will be a sharp exchange rate differential. If prices change in the direction of increase, this must be notified to the user;
- **SearchGuid** - the identifier of the search session, is equal to the incoming search and preliminary booking requests.
- **RefundType** – A flag, indicating that the ticket is non refundable. NonRefundable – ticket is not refundable. Unknown – status is not known.
- **Baggage** - Included baggage for adult
- **ChildBaggage** - Included baggage for children. If the field is missing, then there is no data on baggage for children.
- **InfantBaggage** - Included baggage for infant. If the field is missing, then there is no data on baggage for infant.

If connection was lost during *AeroBook* request (for example timeout etc), you can check status of booking by sending after two minutes *OrderInfo* request with *ClientReference* and date range in which booking was made as parameters.

Example:

POST <http://test-api.xml.agency/SiteCity> HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8;
action="<http://tempuri.org/ISiteBookInfo/OrderInfo>"
Host: 10.10.1.20
Content-Length: 1417
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <OrderInfo xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <orderInfoParams
xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfo"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BookGuid>00000000-0000-0000-0000-000000000000</a:BookGuid>
        <a:BookId>0</a:BookId>
        <a:ExtendedParams i:nil="true"/>
        <a:SearchFilter>
          <a:ClientReference>12334</a:ClientReference>
          <a:DateFrom>25.10.2019</a:DateFrom>
          <a:DateTo>25.10.2019</a:DateTo>
        </a:SearchFilter>
      </orderInfoParams>
    </OrderInfo>
  </s:Body>
</s:Envelope>
```

2.4.1. Tariff selection.

For some airlines the AeroPrebook method may return an additional list of fares that you can choose before booking.

Example response.

```
HTTP/1.1 200 OK
Content-Length: 6760
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 17 Jun 2019 13:14:14 GMT

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <ActivityId CorrelationId="baa7d815-0c00-443f-bd8a-2358876b3edd"
xmlns="http://schemas.microsoft.com/2004/09/ServiceModel/Diagnostics">00000000-0000-0000-0000-000000000000</ActivityId>
  </s:Header>
  <s:Body>
    <AeroPrebookResponse xmlns="http://tempuri.org/">
      <AeroPrebookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Prebook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">>true</Success>
        <a:AllianceInfo>
          <a:AllianceInfo>
            <a:Alliance>SkyTeam</a:Alliance>
            <a:AllianceAirCompanys xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
              <b:CodeValue>
                <b:Code>AF</b:Code>
                <b:Value>Air France</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AM</b:Code>
                <b:Value>AeroMexico</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AR</b:Code>
                <b:Value>Argentina Air</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AZ</b:Code>
                <b:Value>Alitalia</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>CI</b:Code>
                <b:Value>China Airlines</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>CZ</b:Code>
                <b:Value>China Southern</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>DL</b:Code>
                <b:Value>Delta Air</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>GA</b:Code>
                <b:Value>Garuda Indonesia</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>KE</b:Code>
                <b:Value>Korean Airlines</b:Value>
              </b:CodeValue>
            </a:AllianceAirCompanys>
          </a:AllianceInfo>
        </a:AllianceInfo>
      </AeroPrebookResult>
    </AeroPrebookResponse>
  </s:Body>
</s:Envelope>
```

```

</b:CodeValue>
<b:CodeValue>
  <b:Code>KL</b:Code>
  <b:Value>KLM</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>KQ</b:Code>
  <b:Value>Kenya Airways</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>ME</b:Code>
  <b:Value>Middle East Airlines</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>MF</b:Code>
  <b:Value>Xiamen Airlines</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>MU</b:Code>
  <b:Value>China Eastern</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>OK</b:Code>
  <b:Value>Czech Airlines</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>RO</b:Code>
  <b:Value>Tarom Romanian</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>SV</b:Code>
  <b:Value>Saudi Arabian Air</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>UX</b:Code>
  <b:Value>Air Europa</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>VN</b:Code>
  <b:Value>Vietnam Air</b:Value>
</b:CodeValue>
<b:CodeValue>
  <b:Code>SU</b:Code>
  <b:Value>Aeroflot</b:Value>
</b:CodeValue>
</a:AllianceAirCompany>
<a:ValidatingAirline>SU</a:ValidatingAirline>
</a:AllianceInfo>
</a:AllianceInfo>
<a:BookLimit>None</a:BookLimit>
<a:DocumentsRequired>true</a:DocumentsRequired>
<a:FullPrice>56.25</a:FullPrice>
<a:LatNames>false</a:LatNames>

```

```

<a:OfferCode>RUAXQDBAMEAwQE1PV35MRUR_MjAxOS0xNi0xMEAtMUAjISMjMTktMTYtMTAgMDk6NDk4MTktMTYtMTAgMTE6MDV8dmtvfGx1ZCmMjZhbHNl</a:OfferCode>

```

```

<a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:AirCraFt>Airbus A319</b:AirCraFt>
        <b:Arrival>
          <b:City>Saint Petersburg</b:City>
          <b:Date>16.10.2019 11:05</b:Date>
          <b:Iata>LED</b:Iata>
          <b:Name>Pulkovo</b:Name>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Nil</b:BaggageType>
          <b:Count>0</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:City>Moscow</b:City>
          <b:Date>16.10.2019 09:40</b:Date>
          <b:Iata>VKO</b:Iata>
        </b:Departure>
      </b:OfferSegment>
    </b:Segments>
  </b:OfferInfo>
</a:Offers>

```

```

        <b:Name>Vnukovo</b:Name>
        </b:Departure>
        <b:FlightClass>Econom</b:FlightClass>
        <b:FlightMinutes>85</b:FlightMinutes>
        <b:FlightNum>SU-6016</b:FlightNum>
        <b:FlightTime>01:25:00</b:FlightTime>
        <b:MarketingAirline>SU</b:MarketingAirline>
        <b:MarketingAirlineName>Aeroflot</b:MarketingAirlineName>
        <b:OperatingAirline>FV</b:OperatingAirline>
        <b:OperatingAirlineName>Rossiya Airlines</b:OperatingAirlineName>
        <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
    </b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>SU</b:ValidatingAirline>
<b:ValidatingAirlineName>Aeroflot</b:ValidatingAirlineName>
</b:OfferInfo>
</a:Offers>
<a:SearchGuid>84f83e59-56eb-4920-ad3f-ba8ecea5ad78</a:SearchGuid>
<a:Services>
    <a:ServiceInfo>
        <a:Id>28</a:Id>
        <a:Name>Basic</a:Name>
        <a:Price>2.93</a:Price>
        <a:Text>75 EUR in case of the flight cancellation &#xD;
225 EUR in case of baggage delay more than 12 hours&#xD;
750 EUR passenger's luggage insurance&#xD;
7500 EUR in case of an accident at the airport or during the flight</a:Text>
        <a:Type>Insurance</a:Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>29</a:Id>
        <a:Name>Premium</a:Name>
        <a:Price>4.41</a:Price>
        <a:Text>75 EUR in case of flight delay more than 2 hours or flight cancellation &#xD;
225 EUR in case of baggage delay more than 12 hours&#xD;
750 EUR passenger's luggage insurance&#xD;
7500 EUR in case of an accident at the airport or during the flight</a:Text>
        <a:Type>Insurance</a:Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>31</a:Id>
        <a:Name>No insurance</a:Name>
        <a:Price>0</a:Price>
        <a:Text>- I take all risks</a:Text>
        <a:Type>Insurance</a:Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>14</a:Id>
        <a:Name>No notifications</a:Name>
        <a:Price>0</a:Price>
        <a:Text>- I do not want to know about a change in the airline schedule or cancellation of the
flight</a:Text>
        <a:Type>SMS</a:Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>15</a:Id>
        <a:Name>Notifications by Email and SMS</a:Name>
        <a:Price>2.19</a:Price>
        <a:Text>- I want to be notified of changes in the airline schedule or cancellation of the flight by SMS or
E-mail</a:Text>
        <a:Type>SMS</a:Type>
    </a:ServiceInfo>
</a:Services>
<a:Tariffs>
    <a:ServiceInfo>
        <a:AirCompany>SU</a:AirCompany>
        <a:AirCompanyName>Aeroflot</a:AirCompanyName>
        <a:Id>50</a:Id>
        <a:Name>Classic</a:Name>
        <a:Price>20.28</a:Price>
        <a:Text>Hand baggage 10kg&#xD;
1 piece of checked baggage up to 23 kg&#xD;
Upgraded for miles not possible&#xD;
Ticket changes before flight for extra fee&#xD;
Refundable before flight for extra fee</a:Text>

```

```

    <a:Type>Baggage</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:AirCompany>SU</a:AirCompany>
    <a:AirCompanyName>Aeroflot</a:AirCompanyName>
    <a:Id>49</a:Id>
    <a:Name>Flex</a:Name>
    <a:Price>56.42</a:Price>
    <a:Text>Hand baggage 10kg&#xD;
2 piece of checked baggage up to 23 kg&#xD;
Upgraded for miles&#xD;
Ticket changes before flight&#xD;
Refundable</a:Text>
    <a:Type>Baggage</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:AirCompany>SU</a:AirCompany>
    <a:AirCompanyName>Aeroflot</a:AirCompanyName>
    <a:Id>48</a:Id>
    <a:Name>Promo/Saver</a:Name>
    <a:Price>0</a:Price>
    <a:Text>Hand baggage 10kg&#xD;
1 piece of checked baggage up to 23 kg&#xD;
Upgraded for miles not possible&#xD;
Ticket changes with extra fee&#xD;
Not refundable</a:Text>
    <a:Type>Baggage</a:Type>
  </a:ServiceInfo>
</a:Tariffs>
</AeroPrebookResult>
</AeroPrebookResponse>
</s:Body>
</s:Envelope>

```

Additional fares comes in the field **Tariffs - ServiceInfo**

AirCompany – airlines’s code.

Name – Name of the tariff

Text – tariff description

Id – tariff ID

Price – the cost which should be added to the base price.

The list can include tariffs of a several airlines.

You can only select any 1 fare for each airline. The default fare is zero.

Request **AeroBook** example.

```

POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteAvia/AeroBook"
Host: test-api.xml.agency
Content-Length: 2067
Expect: 100-continue
Accept-Encoding: gzip, deflate

```

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroBook xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
      </credentials>
    </AeroBook>
  </s:Body>
</s:Envelope>

```

```

    <a:Language>EN</a:Language>
    <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
  </credentials>
  <aeroBookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Booking"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
    <a:ClientReference>12344</a:ClientReference>
    <a:CustomerFIO i:nil="true"/>
    <a:Email>tets@ststs.com</a:Email>
    <a:ExtendedParams i:nil="true"/>
    <a:Marker i:nil="true"/>

<a:OfferCode>RUAXQDBAMEAwQE1PV35MRUR_MjAxOS0xNi0xMEAtMUAjISMjMTktMTYtMTAgMDk6NDB8MTktMTYtMTAgMTE6MDV8dmtvfGxLZCMmJkZhbHNl</a:Offer
Code>

    <a:Partner i:nil="true"/>
    <a:PaxList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
      <b:PaxData>
        <b:Age>0</b:Age>
        <b:AgeType>Adult</b:AgeType>
        <b:BirthCity i:nil="true"/>
        <b:BirthDay>20.10.1980</b:BirthDay>
        <b:BirthISO>RUS</b:BirthISO>
        <b:BookStatus i:nil="true"/>
        <b:Document>121221212</b:Document>
        <b:DocumentExDate>11.11.2020</b:DocumentExDate>
        <b:DocumentType i:nil="true"/>
        <b:GenderType>Male</b:GenderType>
        <b:MiddleName i:nil="true"/>
        <b>Name>Ivan</b>Name>
        <b:PassGuid>00000000-0000-0000-0000-000000000000</b:PassGuid>
        <b:PassPartnerId i:nil="true"/>
        <b:Surname>Petrov</b:Surname>
      </b:PaxData>
    </a:PaxList>
    <a:Phone>+7887878787878</a:Phone>
    <a:SearchGuid>84f83e59-56eb-4920-ad3f-ba8ecea5ad78</a:SearchGuid>
    <a:SelectedTariffs xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
      <b:int>50</b:int>
    </a:SelectedTariffs>
    <a:Utm i:nil="true"/>
  </aeroBookParams>
</AeroBook>
</s:Body>
</s:Envelope>

```

ID of selected tariffs must be passed in the array **SelectedTariffs**.
The total amount will be returned in response.

2.4.2. Additional services.

The **AeroPrebook method** can return an additional list of services that can be selected before booking.

Sample response.

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroPrebookResponse xmlns="http://tempuri.org/">
      <AeroPrebookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Prebook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">RUB</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:AllianceInfo>
          <a:AllianceInfo>
            <a:Alliance>SkyTeam</a:Alliance>
            <a:AllianceAirCompanys xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
              <b:CodeValue>
                <b:Code>AF</b:Code>
                <b:Value>Air France</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AM</b:Code>
                <b:Value>AeroMexico</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AR</b:Code>
                <b:Value>Argentina Air</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>AZ</b:Code>
                <b:Value>Alitalia</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>CI</b:Code>
                <b:Value>China Airlines</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>CZ</b:Code>
                <b:Value>China Southern</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>DL</b:Code>
                <b:Value>Delta Air</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>GA</b:Code>
                <b:Value>Garuda Indonesia</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>KE</b:Code>
                <b:Value>Korean Airlines</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>KL</b:Code>
                <b:Value>KLM</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>KQ</b:Code>
                <b:Value>Kenya Airways</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>ME</b:Code>
                <b:Value>Middle East Airlines</b:Value>
              </b:CodeValue>
              <b:CodeValue>
                <b:Code>MF</b:Code>
                <b:Value>Xiamen Airlines</b:Value>
              </b:CodeValue>
            </a:AllianceAirCompanys>
          </a:AllianceInfo>
        </a:AllianceInfo>
      </AeroPrebookResult>
    </AeroPrebookResponse>
  </s:Body>
</s:Envelope>
```

```

    <b:CodeValue>
      <b:Code>MU</b:Code>
      <b:Value>China Eastern</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>OK</b:Code>
      <b:Value>Czech Airlines</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>RO</b:Code>
      <b:Value>Tarom Romanian</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>SV</b:Code>
      <b:Value>Saudi Arabian Air</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>UX</b:Code>
      <b:Value>Air Europa</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>VN</b:Code>
      <b:Value>Vietnam Air</b:Value>
    </b:CodeValue>
    <b:CodeValue>
      <b:Code>SU</b:Code>
      <b:Value>Aeroflot</b:Value>
    </b:CodeValue>
  </a:AllianceAirCompanys>
  <a:ValidatingAirline>SU</a:ValidatingAirline>
</a:AllianceInfo>
<a:BookLimit>None</a:BookLimit>
<a:DocumentsRequired>true</a:DocumentsRequired>
<a:FullPrice>8533</a:FullPrice>
<a:LatNames>false</a:LatNames>
<a:OfferCode>H4sIAAAAAAEAHN1MHQwAENf--
A6R9eg0iMDIyNdI1NdA_MEEBckDBGyAAo5GdsEhyorKivD1CgYGFqZmNYguCZWhgY1xWX5NYmpRRBLIH0KhoZWphBLEK6JLbEpSALIqbKamLtiTnEq0FwrC1NjYwCtY6WL
LAAAAA</a:OfferCode>
  <a:Offers xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
    <b:OfferInfo>
      <b:Rph>1</b:Rph>
      <b:Segments>
        <b:OfferSegment>
          <b:AirCraft> Sukhoi Superjet 100</b:AirCraft>
          <b:Arrival>
            <b:City>Sochi</b:City>
            <b>Date>25.03.2022 04:10</b>Date>
            <b:Iata>AER</b:Iata>
            <b>Name>Adler</b>Name>
          </b:Arrival>
          <b:Baggage>
            <b:BaggageType>NilSelect</b:BaggageType>
            <b:Count>0</b:Count>
          </b:Baggage>
          <b:Departure>
            <b:City>Moscow</b:City>
            <b>Date>25.03.2022 01:45</b>Date>
            <b:Iata>SV0</b:Iata>
            <b>Name>Sheremetyevo</b>Name>
          </b:Departure>
          <b:FlightClass>Econom</b:FlightClass>
          <b:FlightMinutes>145</b:FlightMinutes>
          <b:FlightNum>SU-6499</b:FlightNum>
          <b:FlightTime>02:25:00</b:FlightTime>
          <b:MarketingAirline>SU</b:MarketingAirline>
          <b:MarketingAirlineName>Aeroflot</b:MarketingAirlineName>
          <b:OperatingAirline>FV</b:OperatingAirline>
          <b:OperatingAirlineName>Rossiya Airlines</b:OperatingAirlineName>
          <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
          <b:Rph>1</b:Rph>
        </b:OfferSegment>
        <b:OfferSegment>
          <b:AirCraft> Sukhoi Superjet 100</b:AirCraft>
          <b:Arrival>
            <b:City>Moscow</b:City>

```

```

        <b:Date>28.03.2022 14:35</b:Date>
        <b:Iata>SV0</b:Iata>
        <b>Name>Sheremetyevo</b>Name>
    </b:Arrival>
    <b:Baggage>
        <b:BaggageType>NilSelect</b:BaggageType>
        <b:Count>0</b:Count>
    </b:Baggage>
    <b:Departure>
        <b:City>Sochi</b:City>
        <b:Date>28.03.2022 11:55</b:Date>
        <b:Iata>AER</b:Iata>
        <b>Name>Adler</b>Name>
    </b:Departure>
    <b:FlightClass>Econom</b:FlightClass>
    <b:FlightMinutes>160</b:FlightMinutes>
    <b:FlightNum>SU-6500</b:FlightNum>
    <b:FlightTime>02:40:00</b:FlightTime>
    <b:MarketingAirline>SU</b:MarketingAirline>
    <b:MarketingAirlineName>Aeroflot</b:MarketingAirlineName>
    <b:OperatingAirline>FV</b:OperatingAirline>
    <b:OperatingAirlineName>Rossiya Airlines</b:OperatingAirlineName>
    <b:ResBookDesigQuantity>9</b:ResBookDesigQuantity>
    <b:Rph>2</b:Rph>
    </b:OfferSegment>
</b:Segments>
<b:ValidatingAirline>SU</b:ValidatingAirline>
<b:ValidatingAirlineName>Aeroflot</b:ValidatingAirlineName>
</b:OfferInfo>
</a:Offers>
<a:SearchGuid>f9e2072d-2e48-4c77-aaeb-c3f35bf7cefc</a:SearchGuid>
<a:Services>
    <a:ServiceInfo>
        <a:Id>6</a:Id>
        <a>Name>No insurance</a>Name>
        <a:Price>0</a:Price>
        <a:Text>- I take all risks</a:Text>
        <a>Type>Insurance</a>Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>11</a:Id>
        <a>Name>Basic</a>Name>
        <a:Price>199</a:Price>
        <a:Text>- 5,000 rubles in case of flight cancellation&#xD;
            - 15,000 rubles in case of a delay of luggage by more than 12 hours &#xD;
            - 50,000 rubles passenger's luggage insurance &#xD;
            - 500,000 rubles in case of an accident at the airport or during the flight. </a:Text>
        <a>Type>Insurance</a>Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>12</a:Id>
        <a>Name>Premium</a>Name>
        <a:Price>299</a:Price>
        <a:Text>- 15,000 rubles in case of a delay of luggage by more than 12 hours&#xD;
            - 50,000 rubles passenger's luggage insurance &#xD;
            - 5,000 rubles for a flight delay by more than 2 hours or flight cancellation &#xD;
            - 500,000 rubles in case of an accident at the airport or during the flight. </a:Text>
        <a>Type>Insurance</a>Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>14</a:Id>
        <a>Name>No notifications</a>Name>
        <a:Price>0</a:Price>
        <a:Text>- I do not want to know about a change in the airline schedule or cancellation of the
flight</a:Text>
        <a>Type>SMS</a>Type>
    </a:ServiceInfo>
    <a:ServiceInfo>
        <a:Id>15</a:Id>
        <a>Name>Notifications by Email and SMS</a>Name>
        <a:Price>249</a:Price>
        <a:Text>- I want to be notified of changes in the airline schedule or cancellation of the flight by SMS or
E-mail</a:Text>
        <a>Type>SMS</a>Type>
    </a:ServiceInfo>
</a:ServiceInfo>

```

```

    <a:Id>66</a:Id>
    <a:Name>NoCheckIn</a:Name>
    <a:Price>0</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>67</a:Id>
    <a:Name>Window Front</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>68</a:Id>
    <a:Name>Window Middle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>69</a:Id>
    <a:Name>Window Rear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>70</a:Id>
    <a:Name>Window FrontOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>71</a:Id>
    <a:Name>Window FrontOrMiddle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>72</a:Id>
    <a:Name>Window MiddleOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>73</a:Id>
    <a:Name>Window Anyseat</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>74</a:Id>
    <a:Name>Aisle Front</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>75</a:Id>
    <a:Name>Aisle Middle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>

```

```

    <a:Text/>
    <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>76</a:Id>
  <a:Name>Aisle Rear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>77</a:Id>
  <a:Name>Aisle FrontOrRear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>78</a:Id>
  <a:Name>Aisle FrontOrMiddle</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>79</a:Id>
  <a:Name>Aisle MiddleOrRear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>80</a:Id>
  <a:Name>Aisle Anyseat</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>81</a:Id>
  <a:Name>Anyseat Front</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>82</a:Id>
  <a:Name>Anyseat Middle</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>83</a:Id>
  <a:Name>Anyseat Rear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>84</a:Id>
  <a:Name>Anyseat FrontOrRear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>1</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>

```

```

    <a:Id>85</a:Id>
    <a:Name>Anyseat FrontOrMiddle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>86</a:Id>
    <a:Name>Anyseat MiddleOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>87</a:Id>
    <a:Name>Anyseat</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>1</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>66</a:Id>
    <a:Name>NoCheckIn</a:Name>
    <a:Price>0</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>67</a:Id>
    <a:Name>Window Front</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>68</a:Id>
    <a:Name>Window Middle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>69</a:Id>
    <a:Name>Window Rear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>70</a:Id>
    <a:Name>Window FrontOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>71</a:Id>
    <a:Name>Window FrontOrMiddle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>72</a:Id>
    <a:Name>Window MiddleOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>

```

```

    <a:Text/>
    <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>73</a:Id>
  <a:Name>Window Anyseat</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>74</a:Id>
  <a:Name>Aisle Front</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>75</a:Id>
  <a:Name>Aisle Middle</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>76</a:Id>
  <a:Name>Aisle Rear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>77</a:Id>
  <a:Name>Aisle FrontOrRear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>78</a:Id>
  <a:Name>Aisle FrontOrMiddle</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>79</a:Id>
  <a:Name>Aisle MiddleOrRear</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>80</a:Id>
  <a:Name>Aisle Anyseat</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
  <a:Id>81</a:Id>
  <a:Name>Anyseat Front</a:Name>
  <a:Price>200</a:Price>
  <a:Rph>2</a:Rph>
  <a:Text/>
  <a:Type>CheckIn</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>

```

```

    <a:Id>82</a:Id>
    <a:Name>Anyseat Middle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>83</a:Id>
    <a:Name>Anyseat Rear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>84</a:Id>
    <a:Name>Anyseat FrontOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>85</a:Id>
    <a:Name>Anyseat FrontOrMiddle</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>86</a:Id>
    <a:Name>Anyseat MiddleOrRear</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:Id>87</a:Id>
    <a:Name>Anyseat</a:Name>
    <a:Price>200</a:Price>
    <a:Rph>2</a:Rph>
    <a:Text/>
    <a:Type>CheckIn</a:Type>
  </a:ServiceInfo>
</a:Services>
<a:TariffInfo xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:AdultBasePrice>2101</b:AdultBasePrice>
  <b:AdultPrice>8533</b:AdultPrice>
</a:TariffInfo>
<a:Tariffs>
  <a:ServiceInfo>
    <a:AirCompany>SU</a:AirCompany>
    <a:AirCompanyName>Aeroflot</a:AirCompanyName>
    <a:Baggage xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
      <b:BaggageType>Kilos</b:BaggageType>
      <b:Count>23</b:Count>
    </a:Baggage>
    <a:Id>50</a:Id>
    <a:Name>Optimum</a:Name>
    <a:Price>3692</a:Price>
    <a:Text>+ Carry-on baggage - 10 kg (55*40*25cm)&#xD;
      + Baggage - 1 baggage piece up to 23 kg&#xD;
      - Upgrade for miles - not possible&#xD;
      ! Changes before departure- with extra fee&#xD;
      ! Refund before departure - with extra fee&#xD;
      + Miles "Aeroflot Bonus" - 100-150&#xD;
      + Advance seat selection - allowed</a:Text>
    <a:Type>Baggage</a:Type>
  </a:ServiceInfo>
  <a:ServiceInfo>
    <a:AirCompany>SU</a:AirCompany>
    <a:AirCompanyName>Aeroflot</a:AirCompanyName>
    <a:Baggage xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">

```



```

        <b:BaggageType>Pieces</b:BaggageType>
        <b:Count>2</b:Count>
    </a:Baggage>
    <a:Id>49</a:Id>
    <a:Name>Maximum</a:Name>
    <a:Price>9258</a:Price>
    <a:Text>+ Carry-on baggage - 10 kg (55*40*25cm)&#xD;
    + Baggage - 2 baggage pieces up to 23 kg&#xD;
    + Upgrade for miles - allowed&#xD;
    ! Changes - without extra fee&#xD;
    ! Refund - without extra fee&#xD;
    + Miles "Aeroflot Bonus" - 150-200%&#xD;
    + Advance seat selection - allowed</a:Text>
    <a:Type>Baggage</a:Type>
</a:ServiceInfo>
<a:ServiceInfo>
    <a:AirCompany>SU</a:AirCompany>
    <a:AirCompanyName>Aeroflot</a:AirCompanyName>
    <a:Baggage xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
        <b:BaggageType>Nil</b:BaggageType>
        <b:Count>0</b:Count>
    </a:Baggage>
    <a:Id>128</a:Id>
    <a:Name>LITE</a:Name>
    <a:Price>0</a:Price>
    <a:Text>+ Carry-on baggage - 10 kg (55*40*25cm)&#xD;
    ! Baggage - with extra fee&#xD;
    - Upgrade for miles - not possible&#xD;
    ! Changes - with extra fee&#xD;
    - Refund - not possible&#xD;
    + Miles "Aeroflot Bonus" - 75-125%&#xD;
    ! Advance seat selection - with extra fee</a:Text>
    <a:Type>Baggage</a:Type>
</a:ServiceInfo>
</a:Tariffs>
</AeroPrebookResult>
</AeroPrebookResponse>
</s:Body>
</s:Envelope>

```

The ID of the selected services and RPH (if requid) must be passed in the **SelectedServicesRph** array

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
    <s:Body>
        <AeroBook xmlns="http://tempuri.org/">
            <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
                <a:ApiLogin>test</a:ApiLogin>
                <a:ApiPassword>test</a:ApiPassword>
                <a:AuthExtendedData i:nil="true"/>
                <a:Currency>RUB</a:Currency>
                <a:DeviceId>test</a:DeviceId>
                <a:Language>EN</a:Language>
                <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
            </credentials>
            <aeroBookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Booking"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
                <a:ClientReference>12344</a:ClientReference>
                <a:CustomerFIO i:nil="true"/>
                <a:Email>tets@ststs.com</a:Email>
                <a:ExtendedParams i:nil="true"/>
                <a:Marker i:nil="true"/>
                <a:OfferCode>H4sIAAAAAAAEAHN1MHQwAENf--
A6R9eg0iMDIyNdI1NdA_MEEBckDBGyAAo5GDsEhyorKivD1CgYGFqZmNYguCZWhgY1xWX5NYmpRRBLIH0KhoZWphBLEK6JlbEpSALiQbKamltiTnEq0FwrC1NjYwCtY6WL
LAAAAA</a:OfferCode>
                <a:Partner i:nil="true"/>
                <a:PaxList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
                    <b:PaxData>
                        <b:Age>0</b:Age>
                        <b:AgeType>Adult</b:AgeType>
                        <b:BirthCity i:nil="true"/>
                    </b:PaxData>
                </a:PaxList>
            </aeroBookParams>
        </AeroBook>
    </s:Body>
</s:Envelope>

```

```

    <b:BirthDay>20.10.1980</b:BirthDay>
    <b:BirthISO>RUS</b:BirthISO>
    <b:BookStatus i:nil="true"/>
    <b:Document>121221212</b:Document>
    <b:DocumentExDate>11.11.2022</b:DocumentExDate>
    <b:DocumentType i:nil="true"/>
    <b:GenderType>Male</b:GenderType>
    <b:MiddleName i:nil="true"/>
    <b>Name>Ivan</b>Name>
    <b:PassGuid>00000000-0000-0000-0000-000000000000</b:PassGuid>
    <b:PassPartnerId i:nil="true"/>
    <b:Surname>Petrov</b:Surname>
  </b:PaxData>
</a:PaxList>
<a:Phone>+7887878787878</a:Phone>
<a:SearchGuid>f9e2072d-2e48-4c77-aaeb-c3f35bf7cefc</a:SearchGuid>
<a:SelectedServicesRph xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <b:SelectedService>
    <b:Id>66</b:Id>
    <b:Rph>1</b:Rph>
  </b:SelectedService>
  <b:SelectedService>
    <b:Id>6</b:Id>
  </b:SelectedService>
</a:SelectedServicesRph>
<a:Utm i:nil="true"/>
</aeroBookParams>
</AeroBook>
</s:Body>
</s:Envelope>

```

The total amount will be returned in response.

2.5. Confirmation through the gateway. Ticketing.

Please, use **ConfirmBook** method for ticketing.

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteBookInfo/ConfirmBook"
Host: test-api.xml.agency
Content-Length: 1030
Expect: 100-continue
Accept-Encoding: gzip, deflate
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
  </s:Header>
  <s:Body>
    <ConfirmBook xmlns="http://tempuri.org/">
      <authInfo xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </authInfo>
      <confirmParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.ConfirmBook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BookGuid>686ae051-1f40-418c-8f3a-95d79b9e7a09</a:BookGuid>
        <a:BookId>2228</a:BookId>
        <a:Price>34.94</a:Price>
      </confirmParams>
    </ConfirmBook>
  </s:Body>
</s:Envelope>
```

```
HTTP/1.1 200 OK
Content-Length: 4367
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 20 Aug 2018 09:40:57 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
  </s:Header>
  <s:Body>
    <ConfirmBookResponse xmlns="http://tempuri.org/">
      <ConfirmBookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.ConfirmBook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:OrderInfoData
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfo.Responses">
          <b:AdditionalServices
xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Responses"/>
            <b:BookGuid>686ae051-1f40-418c-8f3a-95d79b9e7a09</b:BookGuid>
            <b:BookId>2228</b:BookId>
            <b:BookLimit>false</b:BookLimit>
            <b:BookType>Aero</b:BookType>
            <b:BookingStatus>Booked</b:BookingStatus>
            <b:Cancellable>true</b:Cancellable>
          </b:OrderInfoData>
        </a:OrderInfoData>
      </ConfirmBookResult>
    </ConfirmBookResponse>
  </s:Body>
</s:Envelope>
```

```

<a:ClientReference>12344</a:ClientReference>
<b:Comment/>
<b:ConfirmableTo>20.08.2018 13:10:53</b:ConfirmableTo>
<b>Date>20.08.2018 12:40:53</b>Date>
<b>DateFrom>16.11.2018</b>DateFrom>
<b>DateTo>16.11.2018</b>DateTo>
<b:DeadLineDate>20.08.2018 23:43:00</b:DeadLineDate>
<b:DeadLineDateUtc>20.08.2018 20:43:00</b:DeadLineDateUtc>
<b>Email>tets@ststs.com</b>Email>
<b:FileLinks
xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Responses"/>
<b:Language>EN</b:Language>
<b>Login>test@city.travel</b>Login>
<b:MultiGatesInfo xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <c:OfferInfo>
    <c:Hidden>false</c:Hidden>
    <c:OriginPnr>AFSADH</c:OriginPnr>
    <c:PNR>SOQAPP</c:PNR>
    <c:Passengers>
      <c:OfferPassenger>
        <c:Guid>ffa0499b-451f-4994-b47e-13faf3a6b1a4</c:Guid>
        <c:TicketNumber>100000test</c:TicketNumber>
      </c:OfferPassenger>
    </c:Passengers>
    <c:RefundType>Unknown</c:RefundType>
    <c:Rph>1</c:Rph>
    <c:Segments>
      <c:OfferSegment>
        <c:AirCraft> Embraer 190</c:AirCraft>
        <c:Arrival>
          <c:City>Moscow</c:City>
          <c>Date>16.11.2018 02:15</c>Date>
          <c:Iata>SVO</c:Iata>
          <c:Name>Sheremetyevo</c:Name>
          <c:Terminal>D </c:Terminal>
        </c:Arrival>
        <c:Baggage>
          <c:BaggageType>Nil</c:BaggageType>
          <c:Count>0</c:Count>
        </c:Baggage>
        <c:Departure>
          <c:City>Saint Petersburg</c:City>
          <c>Date>16.11.2018 00:55</c>Date>
          <c:Iata>LED</c:Iata>
          <c:Name>Pulkovo</c:Name>
          <c:Terminal>1 </c:Terminal>
        </c:Departure>
        <c:FlightClass>Econom</c:FlightClass>
        <c:FlightMinutes>80</c:FlightMinutes>
        <c:FlightNum>N4-8198</c:FlightNum>
        <c:FlightTime>01:20:00</c:FlightTime>
        <c:MarketingAirline>N4</c:MarketingAirline>
        <c:MarketingAirlineName>Nord Wind</c:MarketingAirlineName>
        <c:OperatingAirline>EO</c:OperatingAirline>
        <c:OperatingAirlineName>Hewa Bora Air</c:OperatingAirlineName>
        <c:ResBookDesigQuantity>5</c:ResBookDesigQuantity>
        <c:Rph>1</c:Rph>
      </c:OfferSegment>
    </c:Segments>
    <c:TimeLimit>20.08.2018 13:10:53</c:TimeLimit>
    <c:ValidatingAirline>N4</c:ValidatingAirline>
    <c:ValidatingAirlineName>Nord Wind</c:ValidatingAirlineName>
  </c:OfferInfo>
</b:MultiGatesInfo>
<b>Name>Test Testov -</b>Name>
<b:PaxDataList xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">

```

```

    <c:PaxData>
      <c:Age>37</c:Age>
      <c:AgeType>Adult</c:AgeType>
      <c:BirthCity/>
      <c:BirthDay>20.10.1980</c:BirthDay>
      <c:BirthISO>RUS</c:BirthISO>
      <c:BookStatus>Unknown</c:BookStatus>
      <c:Document>1212121212</c:Document>
      <c:DocumentExDate>11.11.2020</c:DocumentExDate>
      <c:DocumentType i:nil="true"/>
      <c:GenderType>Male</c:GenderType>
      <c:MiddleName/>
      <c:Name>Ivan</c:Name>
      <c:PassGuid>ffa0499b-451f-4994-b47e-13faf3a6b1a4</c:PassGuid>
      <c:PassPartnerId i:nil="true"/>
      <c:Surname>Petrov</c:Surname>
    </c:PaxData>
  </b:PaxDataList>
  <b:PayDate>20.08.2018 12:40:57</b:PayDate>
  <b:PaySource>ApiPayment</b:PaySource>
  <b:Payed>true</b:Payed>
  <b:Phone>7887878787878</b:Phone>
  <b:PossibleToPay>false</b:PossibleToPay>
  <b:Price xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">
    <c:Currency>EUR</c:Currency>
    <c:Value>34.94</c:Value>
  </b:Price>
  <b:PricePaid xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">
    <c:Currency>EUR</c:Currency>
    <c:Value>34.94</c:Value>
  </b:PricePaid>
  <b:UseCoupon>false</b:UseCoupon>
</a:OrderInfoData>
</ConfirmBookResult>
</ConfirmBookResponse>
</s:Body>
</s:Envelope>

```

Options:

- **bookid.** Reservation ID, a number
- **bookguid.** Additional reservation ID in GUID format.
- **ClientReference.** Internal booking reference, if this was in AeroBook request
- **Price** – Price from book result
- **OriginPNR** – Airline locator (PNR), if not, use PNR
- **Passengers** – a list of passengers.
- **TicketNumber** – a ticket number. You can compare it with a passenger using PassGuid.
- **RefundType** – A flag indicating that a ticket is not refundable. NonRefundable – a non-refundable ticket. Unknown – status is not known.
- **Cancelable** – can be canceled (VOID)
- **DeadlineDateUtc** – the date to which can VOID (UTC)
- **BookingStatus** – status of booking.

Possible statuses:

- **Booked** – Ticket successfully issued
- **WaitToBooking** - Ticketing is pending
- **Cancelled** – Booking is cancelled, ticketing was not successful .

If you receive status **WaitToBooking** you should check status of the order using **OrderInfo** method from time to time (optimally each 5 minutes).

The parameters are taken from the booking request (for example, AeroBook).

The whole cycle from searching to issuing a ticket combines requests **AeroSearch -> AeroPrebook -> AeroBook -> Confirmation**

3. Balance check.

Balance check is not available in test mode.

A method `GetCompanyBalance` returns the current balance, the size of the limit, and your status.

Example.

```
POST http:// test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteCompany/GetCompanyBalance"
Host: api.city.travel
Content-Length: 775
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetCompanyBalance xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>22363edd-2edb-1daa-3063-12724b25a3b5</a:TokenGuid>
      </credentials>
    </GetCompanyBalance>
  </s:Body>
</s:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Thu, 17 May 2018 06:54:52 GMT
Content-Length: 991
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <ActivityId CorrelationId="545425b7-4b6c-4943-8376-6b4c390763eb"
xmlns="http://schemas.microsoft.com/2004/09/ServiceModel/Diagnostics">6b935e87-1302-4bea-861b-
21029ab81dfb</ActivityId>
  </s:Header>
  <s:Body>
    <GetCompanyBalanceResponse xmlns="http://tempuri.org/">
      <GetCompanyBalanceResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Company"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">RUB</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ServiceUrl i:nil="true" xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:Balance>-28823</a:Balance>
        <a:BalanceLimit>20000</a:BalanceLimit>
        <a:Block>true</a:Block>
      </GetCompanyBalanceResult>
    </GetCompanyBalanceResponse>
  </s:Body>
</s:Envelope>
```

4. Information about the reservation.

The **OrderInfo** method returns reservation data.

Input parameters

bookid. Booking ID, armor;

bookguid. Additional Booking ID in the GUID format;

Example.

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteBookInfo/OrderInfo"
Host: test-api.xml.agency
Content-Length: 1094
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <OrderInfo xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <orderInfoParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfo"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BookGuid>1a5322be-c72e-45f6-8cf9-da6e7c714869</a:BookGuid>
        <a:BookId>1032</a:BookId>
      </orderInfoParams>
    </OrderInfo>
  </s:Body>
</s:Envelope>
```

```
HTTP/1.1 200 OK
Content-Length: 5377
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Thu, 31 May 2018 11:23:40 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <OrderInfoResponse xmlns="http://tempuri.org/">
      <OrderInfoResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfo.Responses"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">>true</Success>
        <a:OrderInfoData>
          <a:AdditionalServices
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Responses"/>
            <a:BookGuid>1a5322be-c72e-45f6-8cf9-da6e7c714869</a:BookGuid>
            <a:BookId>1032</a:BookId>
          </a:AdditionalServices>
        </a:OrderInfoData>
      </OrderInfoResult>
    </OrderInfoResponse>
  </s:Body>
</s:Envelope>
```



```

<a:BookLimit>false</a:BookLimit>
<a:BookType>Aero</a:BookType>
<a:BookingStatus>Booked</a:BookingStatus>
<a:Comment/>
<a:ConfirmableTo>30.05.2018 13:25:36</a:ConfirmableTo>
<a>Date>30.05.2018 12:55:36</a>Date>
<a:DateFrom>21.07.2018</a:DateFrom>
<a:DateTo>30.07.2018</a:DateTo>
<a:DeadLineDate/>
<a:Email>test@test.ru</a:Email>
<a:FileLinks xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Responses">
  <b:FileLink>
    <b:BookId>2032</b:BookId>
    <b:FileType>Calendar</b:FileType>
    <b:FileTypeName>.ics</b:FileTypeName>
    <b:LinkId>13344</b:LinkId>
    <b:PassGuid>00000000-0000-0000-0000-000000000000</b:PassGuid>
  </b:FileLink>
  <b:FileLink>
    <b:BookId>2032</b:BookId>
    <b:FileType>Aero</b:FileType>
    <b:FileTypeName>.pdf</b:FileTypeName>
    <b:LinkId>13345</b:LinkId>
    <b:PassGuid>d29c1c47-2c9f-4dc0-ab96-5f929511dbd9</b:PassGuid>
  </b:FileLink>
  <b:FileLink>
    <b:BookId>2032</b:BookId>
    <b:FileType>Aero</b:FileType>
    <b:FileTypeName>.pdf</b:FileTypeName>
    <b:LinkId>13346</b:LinkId>
    <b:PassGuid>d29c1c47-2c9f-4dc0-ab96-5f929511dbd9</b:PassGuid>
  </b:FileLink>
</a:FileLinks>
<a>Login>test@city.travel</a>Login>
<a:MultiGatesInfo xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
  <b:OfferInfo>
    <b:Hidden>false</b:Hidden>
    <b:PNR>LSAJRB</b:PNR>
    <b:Rph>1</b:Rph>
    <b:Segments>
      <b:OfferSegment>
        <b:AirCraft> Boeing 737-500</b:AirCraft>
        <b:Arrival>
          <b:City>Saint Petersburg</b:City>
          <b>Date>21.07.2018 18:25</b>Date>
          <b:Iata>LED</b:Iata>
          <b>Name>Pulkovo</b>Name>
        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:City>Moscow</b:City>
          <b>Date>21.07.2018 17:00</b>Date>
          <b:Iata>VKO</b:Iata>
          <b>Name>Vnukovo</b>Name>
        </b:Departure>
        <b:FlightClass>Business</b:FlightClass>
        <b:FlightMinutes>85</b:FlightMinutes>
        <b:FlightNum>UT-381</b:FlightNum>
        <b:FlightTime>01:25:00</b:FlightTime>
        <b:MarketingAirline>UT</b:MarketingAirline>
        <b:MarketingAirLineName>UTair</b:MarketingAirLineName>
        <b:OperatingAirline>UT</b:OperatingAirline>
        <b:OperatingAirLineName>UTair</b:OperatingAirLineName>
        <b:ResBookDesigQuantity>3</b:ResBookDesigQuantity>
        <b:Rph>1</b:Rph>
      </b:OfferSegment>
      <b:OfferSegment>
        <b:AirCraft> Boeing 737-500</b:AirCraft>
        <b:Arrival>
          <b:City>Moscow</b:City>
          <b>Date>30.07.2018 23:00</b>Date>
          <b:Iata>VKO</b:Iata>
          <b>Name>Vnukovo</b>Name>
        </b:Arrival>

```

```

        </b:Arrival>
        <b:Baggage>
          <b:BaggageType>Pieces</b:BaggageType>
          <b:Count>1</b:Count>
        </b:Baggage>
        <b:Departure>
          <b:City>Saint Petersburg</b:City>
          <b>Date>30.07.2018 21:30</b>Date>
          <b:Iata>LED</b:Iata>
          <b>Name>Pulkovo</b>Name>
        </b:Departure>
        <b:FlightClass>Business</b:FlightClass>
        <b:FlightMinutes>90</b:FlightMinutes>
        <b:FlightNum>UT-384</b:FlightNum>
        <b:FlightTime>01:30:00</b:FlightTime>
        <b:MarketingAirline>UT</b:MarketingAirline>
        <b:MarketingAirLineName>UTair</b:MarketingAirLineName>
        <b:OperatingAirline>UT</b:OperatingAirline>
        <b:OperatingAirLineName>UTair</b:OperatingAirLineName>
        <b:ResBookDesigQuantity>4</b:ResBookDesigQuantity>
        <b:Rph>2</b:Rph>
      </b:OfferSegment>
    </b:Segments>
    <b:TimeLimit>30.05.2018 13:25:36</b:TimeLimit>
    <b:ValidatingAirline>UT</b:ValidatingAirline>
    <b:ValidatingAirLineName>UTair</b:ValidatingAirLineName>
  </b:OfferInfo>
</a:MultiGatesInfo>
<a:Name>TEST </a:Name>
<a:PaxDataList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <b:PaxData>
    <b:Age>36</b:Age>
    <b:AgeType>Adult</b:AgeType>
    <b:BirthCity/>
    <b:BirthDay>04.06.1982</b:BirthDay>
    <b:BirthISO>RUS</b:BirthISO>
    <b:Document>123456</b:Document>
    <b:DocumentExDate>12.12.2022</b:DocumentExDate>
    <b:DocumentType>PS</b:DocumentType>
    <b:GenderType>Male</b:GenderType>
    <b:MiddleName/>
    <b>Name>Smith</b>Name>
    <b:PassGuid>d29c1c47-2c9f-4dc0-ab96-5f929511dbd9</b:PassGuid>
    <b:PassPartnerId i:nil="true"/>
    <b:Surname>Sam</b:Surname>
  </b:PaxData>
</a:PaxDataList>
<a:PayDate>31.05.2018 13:29:16</a:PayDate>
<a:PaySource>ApiPayment</a:PaySource>
<a:Payed>true</a:Payed>
<a:Phone>3630122222</a:Phone>
<a:Price xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <b:Currency>RUB</b:Currency>
  <b:Value>37845</b:Value>
</a:Price>
<a:PricePaid xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <b:Currency>RUB</b:Currency>
  <b:Value>37845</b:Value>
</a:PricePaid>
<a:UseCoupon>false</a:UseCoupon>
</a:OrderInfoData>
</OrderInfoResult>
</OrderInfoResponse>
</s:Body>
</s:Envelope>

```


5. Booking cancellation. VOID.

AnnulateBook method sends request for booking cancellation (VOID).

Tickets may be voided, if the Cancellable = true flag was received on **OrderInfo** request.

The booking can always be cancelled, If tickets have not been issued yet.

If the tickets were issued (**ConfirmBook** method was called), then some tickets can be VOID before DeadLineDateUtc date (time in utc).

Input parameters.

bookid. Booking ID, armor;

bookguid. Additional Booking ID in the GUID format;

Example:

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteBookInfo/AnnulateBook"
Host: test-api.xml.agency
Content-Length: 1182
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AnnulateBook xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <annulateBookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.AnnulateBook"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BookGuid>1f3f636c-7745-4e2b-abb3-3033dcf230f6</a:BookGuid>
        <a:BookId>2004</a:BookId>
      </annulateBookParams>
    </AnnulateBook>
  </s:Body>
</s:Envelope>
```

```
HTTP/1.1 200 OK
Content-Length: 612
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Thu, 31 May 2018 11:31:01 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AnnulateBookResponse xmlns="http://tempuri.org/">
      <AnnulateBookResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Currency>EUR</a:Currency>
        <a:ServiceUrl i:nil="true"/>
        <a:Success>true</a:Success>
      </AnnulateBookResult>
    </AnnulateBookResponse>
  </s:Body>
</s:Envelope>
```

```
</AnnulateBookResponse>  
</s:Body>  
</s:Envelope>
```

6. Support request Queue

You can use **GetMessageStack** method to promptly get info about PNR changes, comments to the order

Example

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteBookInfo/GetMessageStack"
Host: test-api.xml.agency
Content-Length: 791
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetMessageStack xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
    </GetMessageStack>
  </s:Body>
</s:Envelope>
```

HTTP/1.1 200 OK

Content-Length: 20276

Content-Type: application/soap+xml; charset=utf-8

Server: Microsoft-HTTPAPI/2.0

Date: Wed, 29 Jul 2020 09:14:38 GMT

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetMessageStackResponse xmlns="http://tempuri.org/">
      <GetMessageStackResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.MessageStack"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
        <ErrorString xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <ServiceUrl i:nil="true"
          xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common"/>
        <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
        <a:Messages>
          <a:MessageStack>
            <a:BookId>12332</a:BookId>
            <a:Comment>Dear Customer.
              The refund was made according to your request.
              Invoices will be modified as soon as possible.
              Thank you.
              Sincerely, information support service</a:Comment>
            <a:Date>2020-07-22T17:04:05.877</a:Date>
            <a:Id>2</a:Id>
            <a:Type>Comment</a:Type>
          </a:MessageStack>
          <a:MessageStack>
            <a:BookId>12545</a:BookId>
            <a:Comment>Dear customer, ATTENTION! The airline has changed the schedule for order
```

12545.

Order 12545



```

Old data: &#xD;
OTP-AMS KL-1372 (21.11.2020 06:00 - 21.11.2020 08:00) &#xD;
AMS-VLC KL-1503 (21.11.2020 13:45 - 21.11.2020 16:10) &#xD;
VLC-CDG AF-5065 (26.11.2020 12:05 - 26.11.2020 14:20) &#xD;
CDG-OTP AF-1088 (26.11.2020 19:00 - 26.11.2020 22:50) &#xD;
&#xD;
New data: &#xD;
OTP-AMS KL-1372 (21.11.2020 06:00 - 21.11.2020 08:00) &#xD;
AMS-VLC KL-1503 (21.11.2020 13:45 - 21.11.2020 16:10) &#xD;
VLC-CDG AF-5065 (26.11.2020 12:05 - 26.11.2020 14:20) &#xD;
CDG-OTP AF-1088 (26.11.2020 18:55 - 26.11.2020 22:50) &#xD;
&#xD;

```

This message is generated automatically by the booking system and may contain

inaccuracies.

We recommend you to contact the airline to clarify the status and departure time of

your flight.

Yours sincerely, Information Support Service</a:Comment>

<a:Date>2020-07-22T20:06:33.987</a:Date>

<a:Id>60</a:Id>

<a:Type>Comment</a:Type>

</a:MessageStack>

</a:Messages>

</GetMessageStackResult>

</GetMessageStackResponse>

</s:Body>

</s:Envelope>

Method returns list of messages from queue. You can get up to 100 unread messages as maximum

Possible values of Type field:

ScheduleChange - changes in the schedule

TimeLimitChange - timelimit was changed

Comment - New comment added

After the list processing you should mark messages as read with **SetMessageStack** method using message ID's

Example.

POST <http://test-api.xml.agency/SiteCity> HTTP/1.1

Content-Type: application/soap+xml; charset=utf-8; action="<http://tempuri.org/ISiteBookInfo/SetMessageStack>"

Host: test-api.xml.agency

Content-Length: 1780

Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="<http://www.w3.org/2003/05/soap-envelope>">

<s:Body>

<SetMessageStack xmlns="<http://tempuri.org/>">

<credentials xmlns:a="<http://schemas.datacontract.org/2004/07/SiteCity.Common>"

xmlns:i="<http://www.w3.org/2001/XMLSchema-instance>">

<a:ApiLogin>test</a:ApiLogin>

<a:ApiPassword>test</a:ApiPassword>

<a:AuthExtendedData i:nil="true"/>

<a:Currency>EUR</a:Currency>

<a:DeviceId>test</a:DeviceId>

<a:Language>EN</a:Language>

<a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>

</credentials>

<messageStackId xmlns:a="<http://schemas.microsoft.com/2003/10/Serialization/Arrays>"

xmlns:i="<http://www.w3.org/2001/XMLSchema-instance>">

<a:int>2</a:int>

<a:int>60</a:int>

</messageStackId>

</SetMessageStack>

</s:Body>

</s:Envelope>

```
HTTP/1.1 200 OK
Content-Length: 465
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Wed, 29 Jul 2020 09:14:42 GMT
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetMessageStackResponse xmlns="http://tempuri.org/">
      <SetMessageStackResult xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
        xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:Currency>EUR</a:Currency>
        <a:Success>true</a:Success>
      </SetMessageStackResult>
    </SetMessageStackResponse>
  </s:Body>
</s:Envelope>
```


7. Find a booking using the ClientReference number.

You can check the booking status using the ClientReference number. You may need this feature if you get a connection error or timeout at the time of calling the AeroBook method.

Example

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteAvia/AeroBook"
Host: test-api.xml.agency
Content-Length: 1994
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <AeroBook xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <aeroBookParams xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Booking"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ClientReference>123456782353</a:ClientReference>
        <a:CustomerFIO i:nil="true"/>
        <a:Email>tets@ststs.com</a:Email>
        <a:ExtendedParams i:nil="true"/>
        <a:Marker i:nil="true"/>
        <a:OfferCode>H4sIAAAAAAAAAEAHN1MHQwAMMAx6A6H3 -
OimDI2NdI1NdA2MHXUMHZUV1ZRhfwcDCysisBsG1tDI0qKnIqqxJTkmHKMDMDi5tbGZvWILgWVgYGICU1ORlFympqbok5xa1Ac61MT
EwsrKwMAJt7VvKDAAAA</a:OfferCode>
        <a:Partner i:nil="true"/>
        <a:PaxList xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.Common">
          <b:PaxData>
            <b:Age>0</b:Age>
            <b:AgeType>Adult</b:AgeType>
            <b:BirthCity i:nil="true"/>
            <b:BirthDay>20.10.1980</b:BirthDay>
            <b:BirthISO>USA</b:BirthISO>
            <b:BookStatus i:nil="true"/>
            <b:Document>121221212</b:Document>
            <b:DocumentExDate>11.11.2025</b:DocumentExDate>
            <b:DocumentType i:nil="true"/>
            <b:GenderType>Male</b:GenderType>
            <b:MiddleName i:nil="true"/>
            <b>Name>Ivan</b>Name>
            <b:PassGuid>00000000-0000-0000-0000-000000000000</b:PassGuid>
            <b:PassPartnerId i:nil="true"/>
            <b:Surname>Petrov</b:Surname>
          </b:PaxData>
        </a:PaxList>
        <a:Phone>+9887878787878</a:Phone>
        <a:SearchGuid>f3d0e2f2-2f72-459c-9a99-54b4137a5d64</a:SearchGuid>
        <a:Utm i:nil="true"/>
      </aeroBookParams>
    </AeroBook>
  </s:Body>
</s:Envelope>
```

After the request, we got a connection error.

You can get the status of the reservation using the ClientReference and the date of the booking.

Please pause for 30 seconds before calling the method, as the booking may still be in progress.

```
POST http://test-api.xml.agency/SiteCity HTTP/1.1
Content-Type: application/soap+xml; charset=utf-8; action="http://tempuri.org/ISiteBookInfo/OrderInfoAll"
Host: test-api.xml.agency
Content-Length: 1433
Expect: 100-continue
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <VsDebuggerCausalityData
xmlns="http://schemas.microsoft.com/vstudio/diagnostics/servicemodelsink">uIDPoyC2Y94dMWNMi4zNiPfH8/EAAAAAJHRyfvq2
OkWingwb5sBwiGGwWMDXLMFCtKiwxnKfZaYACQAA</VsDebuggerCausalityData>
  </s:Header>
  <s:Body>
    <OrderInfoAll xmlns="http://tempuri.org/">
      <credentials xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:ApiLogin>test</a:ApiLogin>
        <a:ApiPassword>test</a:ApiPassword>
        <a:AuthExtendedData i:nil="true"/>
        <a:Currency>EUR</a:Currency>
        <a:DeviceId>test</a:DeviceId>
        <a:Language>EN</a:Language>
        <a:TokenGuid>00000000-0000-0000-0000-000000000000</a:TokenGuid>
      </credentials>
      <orderInfoAllParams
xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Params"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AmountOnPage>0</a:AmountOnPage>
        <a:BookGuid i:nil="true"/>
        <a:BookID i:nil="true"/>
        <a:BookType>Aero</a:BookType>
        <a:BookTypeFilter>All</a:BookTypeFilter>
        <a:DateFrom>15.08.2022</a:DateFrom>
        <a:DateTo>15.08.2022</a:DateTo>
        <a:ExtendedData i:nil="true"/>
        <a:Ordering>Unspecified</a:Ordering>
        <a:PageNum>0</a:PageNum>
        <a:SearchString>123456782353</a:SearchString>
        <a:SearchStringType>ClientReference</a:SearchStringType>
        <a:Sorting>Unspecified</a:Sorting>
        <a:TimeRangeType>BookDate</a:TimeRangeType>
      </orderInfoAllParams>
    </OrderInfoAll>
  </s:Body>
</s:Envelope>

HTTP/1.1 200 OK
Content-Length: 5133
Content-Type: application/soap+xml; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 15 Aug 2022 14:25:19 GMT
```

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <ActivityId CorrelationId="2e5f5336-3252-4fe2-b60e-b762fa52062e"
xmlns="http://schemas.microsoft.com/2004/09/ServiceModel/Diagnostics">00000000-0000-0000-0000-
000000000000</ActivityId>
  </s:Header>
  <s:Body>
    <OrderInfoAllResponse xmlns="http://tempuri.org/">
      <OrderInfoAllResult
xmlns:a="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfoAll.Responses"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Currency xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">EUR</Currency>
        <ErrorCode xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">-1</ErrorCode>
      </OrderInfoAllResult>
    </OrderInfoAllResponse>
  </s:Body>
</s:Envelope>
```

```

    <ServiceUrl
xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">net.tcp://localhost/City24Service</ServiceUrl>
    <Success xmlns="http://schemas.datacontract.org/2004/07/SiteCity.Common">true</Success>
    <a:Bookings
xmlns:b="http://schemas.datacontract.org/2004/07/SiteCity.BookInfo.OrderInfo.Responses">
    <b:OrderInfoData>
    <b:AdditionalServices/>
    <b:BookGuid>95acbf29-cbe9-490a-9119-be4a33b771d5</b:BookGuid>
    <b:BookId>23626</b:BookId>
    <b:BookLimit>false</b:BookLimit>
    <b:BookType>Aero</b:BookType>
    <b:BookingStatus>OnBooking</b:BookingStatus>
    <b:Cancellable>true</b:Cancellable>
    <b:ClientReference>123456782353</b:ClientReference>
    <b:Comment/>
    <b:CommentsCount>0</b:CommentsCount>
    <b:ConfirmableTo>15.08.2022 17:49:14</b:ConfirmableTo>
    <b:ConfirmableToUtc>15.08.2022 14:49:14</b:ConfirmableToUtc>
    <b>ContactInfo>
    <b:Email>order+23626@test.city.travel</b:Email>
    <b:Phone>+44 744 191 77 55</b:Phone>
    <b:Signal/>
    <b:Telegram/>
    <b:Viber/>
    <b:Whatsapp/>
    </b>ContactInfo>
    <b>Date>15.08.2022 17:19:13</b>Date>
    <b:DateFrom>25.03.2023</b:DateFrom>
    <b:DateTo>25.03.2023</b:DateTo>
    <b:Email>tets@ststs.com</b:Email>
    <b:FileLinks/>
    <b:Language>EN</b:Language>
    <b>Login>test@city.travel</b>Login>
    <b:MultiGatesInfo
xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Avia.Common.Avia">
    <c:OfferInfo>
    <c:PNR>DTJWJM</c:PNR>
    <c:Passengers>
    <c:OfferPassenger>
    <c:Guid>86a60976-05d1-4469-b53a-408b9a881ddd</c:Guid>
    <c:TicketNumber i:nil="true"/>
    </c:OfferPassenger>
    </c:Passengers>
    <c:Rph>1</c:Rph>
    <c:Segments>
    <c:OfferSegment>
    <c:Aircraft>Train </c:Aircraft>
    <c:Arrival>
    <c:City>Paris</c:City>
    <c>Date>25.03.2023 09:10</c>Date>
    <c:Iata>CDG</c:Iata>
    <c>Name>Charles De Gaulle</c>Name>
    </c:Arrival>
    <c:Baggage>
    <c:BaggageType>Nil</c:BaggageType>
    <c:Count>0</c:Count>
    </c:Baggage>
    <c:Departure>
    <c:City>Paris</c:City>
    <c>Date>25.03.2023 08:26</c>Date>
    <c:Iata>XJY</c:Iata>
    <c>Name>Massy TGV</c>Name>
    </c:Departure>
    <c:FlightClass>Econom</c:FlightClass>
    <c:FlightMinutes>44</c:FlightMinutes>
    <c:FlightNum>AF-7799</c:FlightNum>
    <c:FlightTime>00:44:00</c:FlightTime>
    <c:MarketingAirline>AF</c:MarketingAirline>
    <c:MarketingAirlineName>Air France</c:MarketingAirlineName>
    <c:OperatingAirline>2C</c:OperatingAirline>
    <c:OperatingAirlineName>SNCF</c:OperatingAirlineName>
    <c:ResBookDesigQuantity>9</c:ResBookDesigQuantity>
    <c:Rph>1</c:Rph>
    </c:OfferSegment>

```

```

<c:OfferSegment>
  <c:AirCrafft>Airbus A321-100/200</c:AirCrafft>
  <c:Arrival>
    <c:City>London</c:City>
    <c>Date>26.03.2023 08:00</c>Date>
    <c:Iata>LHR</c:Iata>
    <c>Name>Heathrow</c>Name>
  </c:Arrival>
  <c:Baggage>
    <c:BaggageType>Nil</c:BaggageType>
    <c:Count>0</c:Count>
  </c:Baggage>
  <c:Departure>
    <c:City>Paris</c:City>
    <c>Date>26.03.2023 07:35</c>Date>
    <c:Iata>CDG</c:Iata>
    <c>Name>Charles De Gaulle</c>Name>
  </c:Departure>
  <c:FlightClass>Econom</c:FlightClass>
  <c:FlightMinutes>85</c:FlightMinutes>
  <c:FlightNum>AF-1680</c:FlightNum>
  <c:FlightTime>01:25:00</c:FlightTime>
  <c:MarketingAirline>AF</c:MarketingAirline>
  <c:MarketingAirlineName>Air France</c:MarketingAirlineName>
  <c:OperatingAirline>AF</c:OperatingAirline>
  <c:OperatingAirlineName>Air France</c:OperatingAirlineName>
  <c:ResBookDesigQuantity>9</c:ResBookDesigQuantity>
  <c:Rph>1</c:Rph>
</c:OfferSegment>
</c:Segments>
<c:ValidatingAirline>AF</c:ValidatingAirline>
<c:ValidatingAirlineName>Air France</c:ValidatingAirlineName>
</c:OfferInfo>
</b:MultiGatesInfo>
<b>Name>Test Testov -</b>Name>
<b:PaxDataList xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <c:PaxData>
    <c:Age>41</c:Age>
    <c:AgeType>Adult</c:AgeType>
    <c:BirthCity/>
    <c:BirthDay>20.10.1980</c:BirthDay>
    <c:BirthISO>USA</c:BirthISO>
    <c:BookStatus>Unknown</c:BookStatus>
    <c:Document>121221212</c:Document>
    <c:DocumentExDate>11.11.2025</c:DocumentExDate>
    <c:DocumentType i:nil="true"/>
    <c:GenderType>Male</c:GenderType>
    <c:MiddleName/>
    <c>Name>Ivan</c>Name>
    <c:PassGuid>86a60976-05d1-4469-b53a-408b9a881ddd</c:PassGuid>
    <c:PassPartnerId i:nil="true"/>
    <c:Surname>Petrov</c:Surname>
  </c:PaxData>
</b:PaxDataList>
<b:PayDate>31.12.9999 23:59:59</b:PayDate>
<b:PaySource>Undefined</b:PaySource>
<b:Payed>>false</b:Payed>
<b:Phone>9887878787878</b:Phone>
<b:PossibleToPay>>true</b:PossibleToPay>
<b:Price xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <c:Currency>EUR</c:Currency>
  <c:Value>53.41</c:Value>
</b:Price>
<b:PricePayed xmlns:c="http://schemas.datacontract.org/2004/07/SiteCity.Common">
  <c:Currency>EUR</c:Currency>
  <c:Value>0</c:Value>
</b:PricePayed>
<b:UseCoupon>>false</b:UseCoupon>
</b:OrderInfoData>
</a:Bookings>
<a:Count>1</a:Count>
</OrderInfoAllResult>
</OrderInfoAllResponse>
</s:Body>

```

</s:Envelope>

After receiving the booking information, please check that all the data is correct.

8. Certification.

Please use real-like names for tests (Jon Smith, Sergey Ivanov, Adam Walker..), kindly do not use TEST TEST/AAA TTT/etc

Make search request, book request and issue request

1. Direct OW
2. Any flight on the 15th of any month (April 15, June 15, etc.)
3. Any flight on the 16th of any month (April 16, June 16, etc.)
4. Roundtrip ticket (airline name TEST) for 2 adults, 1 child, 1 infant, departing from BER-LON on the 10th of any month (April 10, June 10, etc.) and returning on the 20th of any month (April 20, June 20, etc.)

If you receive a Wait status, send a bookId so we can process the order

Send us bookId, ticket numbers, PNR, OriginPnr. Don't send logs.