

**XML-specification for data exchange between  
InTour Office and external travel systems**

**VERSION 1.2**

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## INTRODUCTION

The document contains the detailed description of a XML messages set, which helps to realize the data exchange mechanism between InTour Office and external travel systems.

## STRUCTURE OF REQUEST AND RESPONSE

Every request message must have the following structure ([RequestName] should be replaced by real request name, like ReservationRequest, CancellationRequest, etc.):

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
               xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
               xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <[RequestName]RQ xmlns="http://zelsoft.ru/">
      <!--Request Message, described thereafter-->
    </[RequestName]RQ>
  </soap:Body>
</soap:Envelope>
```

Every response message must have the following structure:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
               xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
               xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <[RequestName]RQResponse xmlns="http://zelsoft.ru/">
      <!--Response Message, described thereafter-->
    </[RequestName]RQResponse>
  </soap:Body>
</soap:Envelope>
```

## RESERVATION OR CHANGE RESERVATION REQUEST

You can use this request for sending the information about new or changed reservations from external travel system to InTour Office.

Or you can get the information about an operational state of your bookings inside InTour Office.

### 1. How to send the information about new or changed reservations

#### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<ReservationRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Bookings>
    <Booking ID="202663" Code="CZ90920002" Created="2009-09-04T15:08:06">
      <Comments>Tour to Czech Republic</Comments>
      <Duration Begin="2009-09-20"/>
      <Persons>
        <Person ID="203075" AgeType="0" Gender="0" Main="1">
          <Birthday>1981-01-01</Birthday>
          <Name>Ivan</Name>
          <Surname>Ivanov</Surname>
        </Person>
      </Persons>
    </Booking>
  </Bookings>
</ReservationRequest>
```

```

<Person ID="203076" AgeType="1" Gender="1">
  <Birthday>1984-01-01</Birthday>
  <Name>Maria</Name>
  <Surname>Ivanova</Surname>
</Person>
</Persons>
<Services>
  <HotelAccommodation ID="206510" PersonQuantity="2">
    <City Code="PRG" Name="Prague"/>
    <Duration Begin="2009-09-20" End="2009-10-04"/>
    <Hotel Code="VSH" Name="Vyshegrad"/>
    <MealType Code="FB" Name="Full board"/>
    <Room Code="SGL_STD_1Ad" Name="Single Standard Adult">
      <Accommodation Code="1Ad" Name="Adult on main place"/>
      <Category Code="STD" Name="Standard"/>
      <Type Code="SGL" Name="Single"/>
    </Room>
  </HotelAccommodation>
</Services>
<PersonServices>
  <PersonService RoomNumber="1">
    <Service ID="206510"/>
    <Person ID="203075"/>
  </PersonService>
  <PersonService RoomNumber="2">
    <Service ID="206510"/>
    <Person ID="203076"/>
  </PersonService>
</PersonServices>
</Booking>
</Bookings>
</ReservationRequest>

```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<b>&lt;ReservationRequest&gt;</b>	Root element	
<b>&lt;Requestor&gt;</b>		
<b>Login</b>	Requestor login	String (80)
<b>Password</b>	Encrypted password (algorithm SHA1) in the hex string form	String (80)
<b>&lt;Bookings&gt;</b>	Set of bookings	
<b>&lt;Booking&gt;</b>		
<b>ID</b>	Booking ID from external outgoing system	Int32
<b>Code</b>	Booking reference code (number)	String (11)
<b>Created</b>	Booking creation date in CCYY-MM-DTHH:MM:SS format	DateTime
<b>&lt;Duration&gt;</b>	Booking validity period	
<b>Begin</b>	Begin date of Booking validity period in CCYY-MM-DT	Date
<b>&lt;Comments&gt;</b>	Booking notes	String (250)
<b>&lt;Services&gt;</b>	Set of services	
<b>&lt;Excursion&gt;</b> <b>&lt;ExtraService&gt;</b> <b>&lt;HotelAccommodation&gt;</b> <b>&lt;HotelExtraService&gt;</b> <b>&lt;Transfer&gt;</b>	The set can consist of any quantity of the elements specified in the first column	
<b>ID</b>	Service ID from external outgoing system	Int32
<b>PersonQuantity</b>	Number of tourists for the service	Int16
<b>&lt;Comments&gt;</b>	Service notes	String (250)
<b>&lt;Duration&gt;</b>	Period of validity of this service	
<b>Begin</b>	Begin date for the service in	Date

<b>End</b>	<b>CCYY-MM-DD format</b> <b>End date for the service in CCYY-MM-DD format</b>	<b>Date</b>
<b>&lt;Persons&gt;</b>	<b>Set of tourists</b>	
<b>&lt;Person&gt;</b>		
<b>ID</b>	<b>Tourist ID from external outgoing system</b>	<b>Int32</b>
AgeType	Age type ID: 0 - adult male 1 - adult female 2 - child 3 - infant	Int16
Gender	Sex ID: 0 - man 1 - woman	Int16
Name	First name of a tourist	String (15)
<b>Surname</b>	<b>Surname of a tourist</b>	<b>String (25)</b>
Main	A sign of main tourist (1 - if tourist is a main person in the booking)	Int16
Birthday	Date of birth of a tourist in CCYY-MM-DD format	Date
PassportSeries	Series of passport	String (10)
PassportNumber	Number of passport	String (10)
PassportDate	Date of issue or the expiry date of the passport (according requirements of your partner)	Date
<b>&lt;PersonServices&gt;</b>	<b>Set of references between tourists and services</b>	
<b>&lt;PersonService&gt;</b>		
RoomNumber	Room number from external outgoing system's rooming list	Int32
<b>&lt;Service&gt;</b>		
<b>ID</b>	<b>Service ID (reference to an element from the set of services)</b>	<b>Int32</b>
<b>&lt;Person&gt;</b>		
<b>ID</b>	<b>Tourist ID (reference to an element from the set of tourists)</b>	<b>Int32</b>

## Excursion Service Element

### Example

```
<Excursion ID="206512" Code="CBE" Name="City bus excursion" PersonQuantity="2">
  <Duration Begin="2009-09-24"/>
  <Vehicle Code ="MBS" Name="Minibus"/>
</Excursion>
```

Element name	Element description	Data type
<b>&lt;Excursion&gt;</b>		
Code	Excursion code	String (150)
<b>Name</b>	<b>Excursion name</b>	<b>String (250)</b>
<b>&lt;Vehicle&gt;</b>		
Code	Vehicle type code	String (150)
Name	Vehicle type name	String (250)

## Extra Service Element

### Example

```

<ExtraService ID="206489" Code="BRKF" Name="Breakfast (Vyshegrad)"
    PersonQuantity="2">
  <Duration Begin="2009-09-21" End="2009-10-04"/>
</ExtraService>

```

Element name	Element description	Data type
<b>&lt;ExtraService&gt;</b>		
Code	Extra service code	String (150)
<b>Name</b>	<b>Extra service name</b>	<b>String (250)</b>

## Hotel Accommodation Element

### Example

```

<HotelAccommodation ID="206510" PersonQuantity="2">
  <City Code="PRG" Name="Prague"/>
  <Duration Begin="2009-09-20" End="2009-10-04"/>
  <Hotel Code="VSH" Name="Vyshegrad"/>
  <MealType Code="FB" Name="Full board"/>
  <Room Code="SGL_STD_1Ad" Name="Single Standard Adult">
    <Accommodation Code="1Ad" Name="Adult on main place"/>
    <Category Code="STD" Name="Standard"/>
    <Type Code="SGL" Name="Single"/>
  </Room>
</HotelAccommodation>

```

Element name	Element description	Data type
<b>&lt;HotelAccommodation&gt;</b>		
<b>&lt;City&gt;</b>		
Code	City code	String (150)
Name	City name	String (250)
<b>&lt;Hotel&gt;</b>		
<b>Code</b>	<b>Hotel unique code</b>	<b>String (150)</b>
Name	Hotel name	String (250)
<b>&lt;MealType&gt;</b>		
<b>Code</b>	<b>Meal type code</b>	<b>String (150)</b>
Name	Meal type name	String (250)
<b>&lt;Room&gt;</b>	<b>Summary hotel accommodation description</b>	
Code	Unique code of summary hotel accommodation description	String (150)
Name	Summary hotel accommodation description	String (250)
<b>&lt;Accommodation&gt;</b>		
<b>Code</b>	<b>Accommodation unique code</b>	<b>String (150)</b>
Name	Accommodation name	String (250)
<b>&lt;Category&gt;</b>		
<b>Code</b>	<b>Room category unique code</b>	<b>String (150)</b>
Name	Room category name	String (250)
<b>&lt;Type&gt;</b>		
<b>Code</b>	<b>Room type unique code</b>	<b>String (150)</b>
Name	Room type name	String (250)

## Hotel Extra Service Element

### Example

```

<HotelExtraService ID="206511" Code="DN" Name="Dinner on arrival"
    PersonQuantity="2">
  <City Code="PRG" Name="Prague"/>
  <Duration Begin="2009-09-20" End="2009-09-20"/>
  <Hotel Code="VSH" Name="Vyshegrad"/>
</HotelExtraService>

```

Element name	Element description	Data type
<b>&lt;HotelExtraService&gt;</b>		
Code	Extra service code	String (150)
<b>Name</b>	<b>Extra service name</b>	<b>String (250)</b>
<City>		
Code	City code	String (150)
Name	City name	String (250)
<b>&lt;Hotel&gt;</b>		
<b>Code</b>	<b>Hotel unique code</b>	<b>String (150)</b>
Name	Hotel name	String (250)

## Transfer Element

### Example

```

<Transfer ID="206509" Code="AH" Name="Airport - Hotel" PersonQuantity="2">
  <Duration Begin="2009-09-20" End="2009-09-20"/>
  <Flight Code=" AZ225" Name="AZ225 Moscow(SVO) - Prague(PRG)"/>
  <Vehicle Code="MBS" Name="Minu bus"/>
</Transfer>

```

Element name	Element description	Data type
<b>&lt;Transfer&gt;</b>		
Code	Transfer type code	String (150)
<b>Name</b>	<b>Transfer type name</b>	<b>String (250)</b>
<Flight>		
Code	Flight code	String (150)
Name	Flight name	String (250)
<b>&lt;Vehicle&gt;</b>		
Code	Vehicle code	String (150)
<b>Name</b>	<b>Vehicle name</b>	<b>String (250)</b>

## 2. How to get the bookings operational state information

### Example

```

<?xml version="1.0" encoding="UTF-8"?>
<ReservationRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Conditions>
    <Condition InternalID="2396" ID="160310001" Code="CZ160310001"/>
    <Condition ID="160310002" Code="CZ160310002"/>
    <Duration Begin="2014-03-04" End="2014-05-04"/>
  </Conditions>
</ReservationRequest>

```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
--------------	---------------------	-----------

<b>&lt;ReservationRequest&gt;</b>	<b>Root element</b>	
<b>&lt;Requestor&gt;</b>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>
<b>&lt;Conditions&gt;</b>	<b>Set of search conditions</b>	
<b>&lt;Condition&gt;</b>		
Code	Booking reference code (number)	String (11)
ID	Booking ID from external outgoing system	Int32
InternalID	Booking ID in InTour Office database	Int32
<b>&lt;Duration&gt;</b>		
Begin	Begin date of Booking validity period in CCYY-MM-DT	Date
End	Begin date of Booking validity period in CCYY-MM-DT	Date

## RESERVATION OR CHANGE RESERVATION RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<ReservationResponse>
  <Bookings>
    <Booking InternalID="2396" Created="2012-04-03T11:52:34.073" ID="160310001"
      Code="CZ90920002" OperationalState="Accepted"/>
    <Booking InternalID="2397" Created="2012-04-04T11:35:34.073" ID="160310002"
      Code="SP90923001" OperationalState="Rejected">
      <Comments>The description of the rejection reason</Comments>
    </Booking>
    <Booking InternalID="2398" Created="2012-04-03T11:52:34.073" ID="160310003"
      Code="CZ160310001" OperationalState="Processed">
      <Comments>Tour to Czech Republic</Comments>
    </Booking>
    <Booking Code="CZ160310002" OperationalState="Not Found">
      <Comments>Booking not found</Comments>
    </Booking>
  </Bookings>
</ReservationResponse>
```

Element name	Element description	Data type
<b>&lt;ReservationResponse&gt;</b>	<b>Root element</b>	
<b>&lt;Bookings&gt;</b>		
<b>&lt;Booking&gt;</b>		
Code	Booking reference code (number)	String (11)
Created	Booking creation date in CCYY-MM-DTHH:MM:SS format	DateTime
ID	Booking ID from external outgoing system	Int32
InternalID	Booking ID in InTour Office database	Int32
OperationalState	State of operation: - Accepted - booking has been successfully accepted by the service - Rejected - booking has been rejected by the service - Transferred - booking has been completely transferred to InTour Office database	String



	- Processed - booking has been processed by manager in InTour Office - Not Found - booking has not been found in InTour Office database	
<Comments>		String (250)
<Duration>		
Begin	Begin date of Booking validity period in CCYY-MM-DT	Date
End	Begin date of Booking validity period in CCYY-MM-DT	Date

## CANCELLATION REQUEST

The purpose of this request is to transfer the information about new cancellations to InTour Office.

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<CancellationRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Bookings>
    <Booking Code="CZ90920002">
      <Comments>The description of a cancellation reason</Comments>
    </Booking>
  </Bookings>
</CancellationRequest>
```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<CancellationRequest>	Root element	
<Requestor>		
Login	Requestor login	String (80)
Password	Encrypted password (algorithm SHA1) in the hex string form	String (80)
<Bookings>		
<Booking>		
Code	Booking reference code (number)	String (11)
<Comments>		String (250)

## CANCELLATION RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<CancellationResponse>
  <Bookings>
    <Booking Code="CZ90920002" OperationalState="Accepted"/>
  </Bookings>
</CancellationResponse>
```

XML message structure description:

Element name	Element description	Data type
<CancellationResponse>	Root element	

<Bookings>		
<Booking>		
Code	Booking reference code (number)	String (11)
OperationalState	State of operation: - Accepted - cancellation has been successfully accepted by the service - Rejected - cancellation has been rejected by the service	
<Comments>	Error description for rejection	String (250)

## OUTGOING MESSAGES REQUEST

The purpose of this request is to transfer the new reservation-based messages from external travel system to InTour Office.

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<OutgoingMessagesRequest>
  <Requestor Login=" ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Messages>
    <Message ID="1" Sent="2006-12-02T18:08:12">
      <Booking Code="CZ90920002"/>
      Tourist details were changed (Ivanov Ivan -> Ivanovskiy Ivan)
    </Message>
    <Message ID="2" Sent="2006-12-02T18:08:12">
      <Booking Code="CZ90920002"/>
      Clients asked first floor
    </Message>
  </Messages>
</OutgoingMessagesRequest>
```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<b>&lt;OutgoingMessagesRequest&gt;</b>	<b>Root element</b>	
<b>&lt;Requestor&gt;</b>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>
<b>&lt;Messages&gt;</b>		
<b>&lt;Message&gt;</b>	<b>Text of the message</b>	<b>Text</b>
ID	External ID	Int32
Sent	Date when a message was sent in CCYY-MM-DTHH:MM:SS format	DateTime
<b>&lt;Booking&gt;</b>		
<b>Code</b>	<b>Booking reference code (number)</b>	<b>String (11)</b>

## OUTGOING MESSAGES RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<OutgoingMessagesResponse>
  <Messages>
```

```

    <Message ID="1" Sent="2006-12-02T18:08:12"> TransactionState="Accepted"/>
    <Message ID="2" Sent="2006-12-02T18:08:12"> OperationalState="Accepted"/>
  </Messages>
</OutgoingMessagesResponse>

```

XML message structure description:

Element name	Element description	Data type
<OutgoingMessagesResponse>	Root element	
<Messages>		
<Message>		
ID	Internal ID	Int32
Sent	Date when a message was sent in CCYY-MM-DTHH:MM:SS format	DateTime
TransactionState	State of transaction: - Accepted - message has been successfully accepted by the service - Rejected - message has been rejected by the service	String

## AVAILABLE CONFIRMATIONS REQUEST

The purpose of this request is to get new bookings or services confirmation from InTour Office to incoming travel system.

### Example

```

<?xml version="1.0" encoding="UTF-8"?>
<AvailableConfirmationsRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
</AvailableConfirmationsRequest>

```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<AvailableConfirmationsRequest>	Root element	
<Requestor>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>

## AVAILABLE CONFIRMATIONS RESPONSE

### Example

```

<?xml version="1.0" encoding="UTF-8"?>
<AvailableConfirmationsResponse>
  <Bookings>
    <Booking InternalID="2164" Created="2011-02-22T18:29:51.53"
      ID="203063" Code="SP10312001" OperationalState="Transferring"
      State="Confirmed">
      <Comments>Individualno</Comments>
      <Invoices>
        <Invoice Created="2011-09-30T17:26:52.373" Code="PRO_SP10312001">
          <Comments>2000EU</Comments>
        </Invoice>
      </Booking>
    </Bookings>
  </AvailableConfirmationsResponse>

```

```

    </Invoices>
  </Booking>
  <Booking InternalID="2165" Created="2011-02-22T19:30:51.53"
    ID="203064" Code="CZ90920002">
    <Services>
      <Service InternalID="12" ID="206510" State="Confirmed"/>
    </Services>
  </Booking>
</Bookings>
</AvailableConfirmationsResponse>

```

**XML message structure description:**

Element name	Element description	Data type
<AvailableConfirmationsResponse>	Root element	
<Bookings>		
<Booking>		
Code	Booking code	String (11)
Created	Booking date in CCYY-MM-DTHH:MM:SS format	DateTime
ID	Booking ID from external outgoing system	Int32
InternalID	Booking ID in InTour Office database	Int32
OperationalState	Operational state of booking	String (20)
State	State of booking: - Confirmed - booking has been confirmed - Not Confirmed - booking has not been confirmed	String
<Comments>		
<Invoices>	Set of invoices	
<Invoice>		
Code	Confirmation or invoice number	String (20)
Created	Confirmation or invoice date in CCYY-MM-DTHH:MM:SS format	DateTime
<Comments>	Confirmation or invoice details as a string (exp. 200EU+400USD)	String (80)
<Services>	Set of services	
<Service>		
ID	Service ID from external outgoing system	Int32
InternalID	Service ID in InTour Office database	Int32
State	State of service: - Confirmed - service has been confirmed - Not Confirmed - service has not been confirmed	String

**INCOMING MESSAGES REQUEST**

The purpose of this request is to transfer the new reservation-based messages from InTour Office to external travel system.

## Example

```
<?xml version="1.0" encoding="UTF-8"?>
<IncomingMessagesRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
</IncomingMessagesRequest>
```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<b>&lt;IncomingMessagesRequest&gt;</b>	<b>Root element</b>	
<b>&lt;Requestor&gt;</b>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>

## INCOMING MESSAGES RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<IncomingMessagesResponse>
  <Messages>
    <Message InternalID="188" Sent="2009-06-17T17:53:33"
      TransactionState="Transferring">
      <Booking Code="SP90620001"/>
      Waiting for flight details
    </Message>
  </Messages>
</IncomingMessagesResponse>
```

XML message structure description:

Element name	Element description	Data type
<b>&lt;IncomingMessagesResponse&gt;</b>	<b>Root element</b>	
<b>&lt;Messages&gt;</b>		
<b>&lt;Message&gt;</b>	<b>Text of the message</b>	<b>Text</b>
<b>InternalID</b>	<b>Message ID in InTour Office database</b>	<b>Int32</b>
<b>Sent</b>	<b>Date when a message was sent in CCYY-MM-DTHH:MM:SS format</b>	<b>DateTime</b>
<b>TransactionState</b>	<b>Message Transaction State</b>	<b>String (20)</b>
<b>&lt;Booking&gt;</b>		
<b>Code</b>	<b>Booking reference code (number)</b>	<b>String (11)</b>

## INVOICES REQUEST

The purpose of this request is to get new invoices from InTour Office to external travel system.

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<InvoicesRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Conditions>
    <Condition>
```

```

    <Duration Begin="2009-01-01" End="2010-03-17">
  </Condition>
</Conditions>
</InvoicesRequest>

```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<b>&lt;Requestor&gt;</b>	<b>Root element</b>	
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>
<b>&lt;Conditions&gt;</b>	<b>Set of conditions</b>	
<b>&lt;Condition&gt;</b>		
<b>&lt;Duration&gt;</b>	<b>Period in which service should search for invoices</b>	
<b>Begin</b>	<b>Begin date of the period in CCYY-MM-DD format</b>	<b>Date</b>
<b>End</b>	<b>End date of the period in CCYY-MM-DD format</b>	<b>Date</b>

## INVOICES RESPONSE

### Example

```

<?xml version="1.0" encoding="UTF-8"?>
<InvoicesResponse>
  <Items>
    <Invoice Amount="644.0000" Code="ZLS_ES80130002" Date="2009-01-19"
      CurrencyCode="EU">
      <Bookings>
        <Booking Amount="644.0000" Code="ES80130002">
          <Services>
            <Service ID="201922" Amount="490.0000" />
            <Service ID="201921" Amount="30.0000" />
            <Service ID="201923" Amount="90.0000" />
            <Service ID="201919" Amount="34.0000" />
          </Services>
        </Booking>
      </Bookings>
    </Invoice>
    <Invoice Amount="836.8400" Code="ZLS_200909" Date="2009-09-04"
      CurrencyCode="EU">
      <Bookings>
        <Booking Amount="836.8400" Code="CZ90920002">
          <Services>
            <Service ID="206510" Amount="634.0000" />
            <Service ID="206509" Amount="36.0000" />
            <Service ID="206514" Amount="36.0000" />
            <Service ID="206512" Amount="53.3400" />
            <Service ID="206513" Amount="40.0000" />
            <Service ID="206511" Amount="37.5000" />
          </Services>
        </Booking>
      </Bookings>
    </Invoice>
  </Items>
</InvoicesResponse>

```

XML message structure description:

Element name	Element description	Data type
<InvoiceResponse>	Root element	
<Items>	Set of the hotel data	
<Invoice>		
Amount	Invoice amount	Decimal
Code	Invoice Code	String (5)
Date	Invoice date in CCYY-MM-DD format	Date
Currency	Invoice currency code	String (3)
<Bookings>	Set of the booking data	
<Booking>	Hotel category reference record	
Amount	Booking amount	Decimal
Code	Booking Code	String (10)
<Services>	City reference record	
<Service>	City reference record	
Amount	Service amount	Decimal
ID	Service ID from external outgoing system	Int32

## HOTEL REQUEST

The purpose of this request is to get a hotel data from InTour Office to external travel system.

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<HotelRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Conditions>
    <Condition>
      <Parent InternalID="3" />
    </Condition>
  </Conditions>
</HotelRequest>
```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<b>&lt;HotelRequest&gt;</b>	<b>Root element</b>	
<b>&lt;Requestor&gt;</b>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>
<Conditions>	Set of search conditions	
<Condition>		
<Parent>	Parent for any hotel is a city	
InternalID	City ID in InTour Office database	Int32

## HOTEL RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<HotelResponse>
  <Hotels>
    <Hotel InternalID="1203" Code="AMRES" Name="Amaryllis">
```

```

    Email="info@amaryllisresort.com" Phone="+84 62 3719099"
    Fax="+84 62 3719097" HomePage="http://amres.ru" >
    <Parent InternalID="18" Code="PHT" Name="Phan Thiet" Type="City"/>
    <Address>Km 8, Nguyen Dinh Chieu str Phan Thiet City</Address>
    <Category InternalID="3" Code="" Name="4*" Type="HotelCategory"/>
  </Hotel>
</Hotels>
</HotelResponse>

```

XML message structure description:

Element name	Element description	Data type
<HotelResponse>	Root element	
<Hotels>	Set of the hotel data	
<Hotel>		
Code	Hotel code	String (5)
Email	Hotel e-mail	String (50)
Fax	Hotel fax	String (20)
HomePage	Hotel web site	String (200)
InternalID	Hotel ID in InTour Office database	Int32
Name	Hotel name	String (40)
Phone	Hotel phone(s)	String (50)
<Address>	Hotel post address	String (160)
<Category>	Hotel category reference record	
InternalID	Hotel category ID in InTour Office database	Int32
Name	Hotel category name	String (60)
<Parent>	City reference record	
Code	City code	String (5)
InternalID	City ID in InTour Office database	Int32
Name	City name	String (60)

## REFERENCE REQUEST

The purpose of this request is to get a reference data from InTour Office to external travel system.

### Example

```

<?xml version="1.0" encoding="UTF-8" ?>
<ReferenceRequest>
  <Requestor Login="ZLS" Password="75A9307073FC5F290D3DAD02A9B1030B578E743D"/>
  <Conditions>
    <Condition Type="City" />
  </Conditions>
</ReferenceRequest>

```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<ReferenceRequest>		
<Requestor>		
<b>Login</b>	<b>Requestor login</b>	<b>String (80)</b>
<b>Password</b>	<b>Encrypted password (algorithm SHA1) in the hex string form</b>	<b>String (80)</b>
<Conditions>	Set of search conditions	
<Condition>		
Type	Type of requested data: - All	



	<ul style="list-style-type: none"> <li>- AirAliance</li> <li>- AirCompany</li> <li>- Aircraft</li> <li>- AirflightClass</li> <li>- Airport</li> <li>- BookingState</li> <li>- City</li> <li>- Company</li> <li>- Country</li> <li>- Currency</li> <li>- Discount</li> <li>- District</li> <li>- Hotel</li> <li>- HotelCategory</li> <li>- HotelChain</li> <li>- HotelFacility</li> <li>- HotelType</li> <li>- MealType</li> <li>- Partner</li> <li>- PersonPreference</li> <li>- PersonSalutation</li> <li>- Region</li> <li>- RoomCategory</li> <li>- RoomType</li> <li>- ServiceType</li> <li>- TourType</li> <li>- User</li> <li>- UserGroup</li> <li>- Vehicle</li> </ul>	
--	---	--

## REFERENCE RESPONSE

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<ReferenceResponse>
  <References>
    <Reference InternalID="17" Code="AYI" Name="Ayinapa" Type="City">
      <Parent InternalID="13" Code="Cyprus" Name="Cyprus" Type="Country" />
    </Reference>
    <Reference InternalID="2" Code="BCN" Name="Barcelona" Type="City">
      <Parent InternalID="1" Code="Spain" Name="Spain" Type="Country" />
    </Reference>
    <Reference InternalID="25" Code="BRN" Name="Brno" Type="City">
      <Parent InternalID="10" Code="Czech Republic" Name="Czech Republic"
        Type="Country" />
    </Reference>
    <Reference InternalID="11" Code="KLV" Name="Karlovy Vary" Type="City">
      <Parent InternalID="10" Code="Czech Republic" Name="Czech Republic"
        Type="Country" />
    </Reference>
    <Reference InternalID="1" Code="LLR" Name="Lloret de Mar" Type="City">
      <Parent InternalID="1" Code="Spain" Name="Spain" Type="Country" />
    </Reference>
  </References>
</ReferenceRQResponse>
```

XML message structure description:

Element name	Element description	Data type
--------------	---------------------	-----------

<ReferenceResponse>	Root element	
<References>	Set of the reference data	
<Reference>		
Code	Reference code	String (80)
InternalID	Reference ID in InTour Office database	Int32
Name	Reference name	String (80)
Type	Type of the reference	
<Parent>	Parent reference record	

## ERRORS PROCESSING

If there will be any errors during request processing it is offered to form the response of the following kind.

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<HotelPriceResponse>
  <Errors>
    <Error Code="1">
      Short error description
    </Error>
  </Errors>
</HotelPriceResponse>
```

XML message structure description (mandatory elements are marked with bold font):

Element name	Element description	Data type
<Response>	Root element	
<Errors>	Set of errors	
<Error>	Error description	
Code	Error code	Int16

## WARNINGS PROCESSING

For messages or warnings transfer (for example warning about absence of the data) it's formed the response of the following kind.

### Example

```
<?xml version="1.0" encoding="UTF-8" ?>
<HotelPriceResponse>
  <Warnings>
    <Warning Code="1">
      The message on which it is necessary to pay attention
    </Warning>
  </Warnings>
</HotelPriceResponse>
```

XML message structure description:

Element name	Element description	Data type
<Response>	Root element	
<Warnings>	Set of warnings	
<Warning>	Warning description	

Code	Warning code	Int16
------	--------------	-------