



Opera Hotel Edition

*Stay History Messaging Specification for
Opera Web Suite Version 5.1*

Version 1.0.1

Last updated: August 19, 2005

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Record of Changes

Date	Version	Description	Author
13 JAN 2004	1.0.0	Initial Release	B. More
28 SEP 2004	1.0.1	Update from 5.0 to 5.1	C. Mojica

Notes

WSDL document described by this document can be found at:

<http://webservices.micros.com/ows/5.1/StayHistory.wsdl>

Associated schema (XSD) documents can be found at:

<http://webservices.micros.com/og/4.3/Core.xsd>

<http://webservices.micros.com/og/4.3/Common.xsd>

<http://webservices.micros.com/og/4.3/HotelCommon.xsd>

<http://webservices.micros.com/og/4.3/Name.xsd>

<http://webservices.micros.com/og/4.3/Reservation.xsd>

StayHistory

StayHistoryRequest

```
<?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:Header>
    <OGHeader transactionID="000042" timeStamp="2004-01-13T15:48:22.9937500-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="ETC" systemType="WBE"/>
      <Destination entityID="TI" systemType="ORS"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <StayHistoryRequest xmlns="http://webservices.micros.com/ows/5.1/StayHistory.wsdl">
      <NameID type="INTERNAL">1641412</NameID>
    </StayHistoryRequest>
  </soap:Body>
</soap:Envelope>
```

StayHistoryRequest

```
<xs:element name="StayHistoryRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="QueryDateRange" type="hc:TimeSpan" />
      <xs:choice>
        <xs:element name="NameID" type="c:UniqueID" />
        <xs:element name="CorporateID" type="c:UniqueID" />
      </xs:choice>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
QueryDateRange	element	TimeSpan	optional	If provided, will filter result set to include only those booking that fall within specified date range.
NameID	element	UniqueID	required / choice	Opera NameID for individual guest.
CorporateID	element	UniqueID	required / choice	Opera NameID for travel agent or booker.

QueryDateRange (TimeSpan)

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="StartDate" type="xs:dateTime" />
    <xs:choice>
      <xs:element name="EndDate" type="xs:dateTime" />
      <xs:element name="Duration" type="xs:duration" />
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	Start date of query filter.
EndDate	element	dateTime	required	End date of query filter.

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Duration	element	duration	not used	Not used in this context.
----------	---------	----------	----------	---------------------------

NameID (UniqueID)				
<pre><xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" type="tns:UniqueIDType" use="required" /> <xs:attribute name="source" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	In this context, shall be hard coded to INTERNAL, indicating that the root value is the Opera internal NameID upon which to query.
source	attribute	string	not used	Not used in this context.

CorporateID (UniqueID)				
<pre><xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" type="tns:UniqueIDType" use="required" /> <xs:attribute name="source" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	In this context, shall be hard coded to INTERNAL, indicating that the root value is the Opera internal NameID upon which to query.
source	attribute	string	not used	Not used in this context.

StayHistoryResponse

```
<?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:Header>
    <OGHeader transactionID="000042" timeStamp="2004-01-13T15:48:22.9937500-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS"/>
      <Destination entityID="ETC" systemType="WBE"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <StayHistoryResponse xmlns:r="http://webservices.micros.com/og/4.3/Reservation/"
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns:n="http://webservices.micros.com/og/4.3/Name/"
xmlns="http://webservices.micros.com/ows/5.1/StayHistory.wsdl">
      <Result resultStatusFlag="SUCCESS"/>
      <r:HotelReservation>
        <r:RoomStays>
          <hc:RoomStay>
            <hc:RatePlans>
              <hc:RatePlan ratePlanCode="RAC">
                <hc:RatePlanDescription>
                  <hc:Text>Rack rate.</hc:Text>
                </hc:RatePlanDescription>
              </hc:RatePlan>
            </hc:RatePlans>
            <hc:RoomTypes>
              <hc:RoomType roomTypeCode="A1K" numberOfUnits="2"
invBlockCode="BA2003128">
                <hc:RoomTypeDescription>
                  <hc:Text>A very nice king room.</hc:Text>
                </hc:RoomTypeDescription>
              </hc:RoomType>
            </hc:RoomTypes>
            <hc:RoomRates>
              <hc:RoomRate roomTypeCode="A1K" ratePlanCode="RAC">
                <hc:Rates>
                  <hc:Rate>
                    <hc:Base currencyCode="USD">125.00</hc:Base>
                  </hc:Rate>
                </hc:Rates>
                <hc:InvBlockDescription>
                  <hc:Text>BA Crew group week of 28 December 2003</hc:Text>
                </hc:InvBlockDescription>
                <hc:Total currencyCode="USD">255.75</hc:Total>
              </hc:RoomRate>
            </hc:RoomRates>
            <hc:GuestCounts>
              <hc:GuestCount ageQualifyingCode="ADULT" count="1"/>
              <hc:GuestCount ageQualifyingCode="CHILD" count="1"/>
            </hc:GuestCounts>
          </hc:RoomStay>
        </r:RoomStays>
      </r:HotelReservation>
    </StayHistoryResponse>
  </soap:Body>
</soap:Envelope>
```



```

        </hc:GuestCounts>
        <hc:TimeSpan>
            <hc:StartDate>2003-12-29T00:00:00.000</hc:StartDate>
            <hc:EndDate>2003-12-31T00:00:00.000</hc:EndDate>
        </hc:TimeSpan>
        <hc:HotelReference chainCode="TI" hotelCode="LONMAR"/>
        <hc:ResGuestRPHs>
            <hc:ResGuestRPH RPH="0"/>
        </hc:ResGuestRPHs>
    </hc:RoomStay>
</r:RoomStays>
<r:ResGuests>
    <r:ResGuest resGuestRPH="0">
        <r:Profiles>
            <n:Profile>
                <n:ProfileIDs>
                    <c:UniqueID type="INTERNAL">4445</c:UniqueID>
                </n:ProfileIDs>
                <n:Customer>
                    <n:PersonName>
                        <c:firstName>Jimmy</c:firstName>
                        <c:lastName>Crankbait</c:lastName>
                    </n:PersonName>
                </n:Customer>
            </n:Profile>
        </r:Profiles>
    </r:ResGuest>
</r:ResGuests>
</r:HotelReservation>
<r:HotelReservation>
    <r:RoomStays>
        <hc:RoomStay>
            <hc:RatePlans>
                <hc:RatePlan ratePlanCode="BAR">
                    <hc:RatePlanDescription>
                        <hc:Text>Best Available Rate</hc:Text>
                    </hc:RatePlanDescription>
                </hc:RatePlan>
            </hc:RatePlans>
            <hc:RoomTypes>
                <hc:RoomType roomTypeCode="B1K" numberOfUnits="2">
                    <hc:RoomTypeDescription>
                        <hc:Text>A reasonably nice king room.</hc:Text>
                    </hc:RoomTypeDescription>
                </hc:RoomType>
            </hc:RoomTypes>
            <hc:RoomRates>
                <hc:RoomRate roomTypeCode="B1K" ratePlanCode="BAR">
                    <hc:Rates>
                        <hc:Rate>
                            <hc:Base currencyCode="USD">105.00</hc:Base>
                        </hc:Rate>
                    </hc:Rates>
                    <hc:Total currencyCode="USD">210.00</hc:Total>
                </hc:RoomRate>
            </hc:RoomRates>
        </hc:RoomStay>
    </r:RoomStays>
</r:HotelReservation>

```

```

    <hc:GuestCounts>
      <hc:GuestCount ageQualifyingCode="ADULT" count="1"/>
    </hc:GuestCounts>
    <hc:TimeSpan>
      <hc:StartDate>2003-11-01T00:00:00.000</hc:StartDate>
      <hc:EndDate>2003-11-03T00:00:00.000</hc:EndDate>
    </hc:TimeSpan>
    <hc:CancelTerm cancelType="Cancel" cancelDate="2004-12-24"/>
    <hc:HotelReference chainCode="TI" hotelCode="LONMAR"/>
    <hc:ResGuestRPHs>
      <hc:ResGuestRPH RPH="0"/>
    </hc:ResGuestRPHs>
  </hc:RoomStay>
</r:RoomStays>
<r:ResGuests>
  <r:ResGuest resGuestRPH="0">
    <r:Profiles>
      <n:Profile>
        <n:ProfileIDs>
          <c:UniqueID type="INTERNAL">4445</c:UniqueID>
        </n:ProfileIDs>
        <n:Customer>
          <n:PersonName>
            <c:firstName>Jimmy</c:firstName>
            <c:lastName>Crankbait</c:lastName>
          </n:PersonName>
        </n:Customer>
      </n:Profile>
    </r:Profiles>
  </r:ResGuest>
</r:ResGuests>
</r:HotelReservation>
</StayHistoryResponse>
</soap:Body>
</soap:Envelope>

```

StayHistoryResponse				
<pre> <xs:element name="StayHistoryResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:complexType> <xs:sequence> <xs:element name="Result" type="hc:GDSResultStatus" /> <xs:element minOccurs="0" name="HotelReservations" type="r:HotelReservationList" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comment
Result	element	GDSResultStatus	required	Primary indication of success or failure of transaction.
HotelReservations	element	HotelReservationList	optional	Collection of HotelReservation elements, one per prior stay.

Result (GDSResultStatus)
<pre> <xs:complexType name="GDSResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:complexContent mixed="false"> <xs:extension base="c:ResultStatus"> </pre>

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<pre> <xs:sequence> <xs:element minOccurs="0" name="GDSError" type="GDSError" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				
Extends	ResultStatus			
Name	Type	Data Type	Use	Comment
GDSError	element	GDSError	optional	Used only in the event of an error. Used to convey the GDS error segment, code and message for an error during the transaction.

ResultStatus				
<pre> <xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="Text" type="tns:TextList" /> <xs:element minOccurs="0" name="IDs" type="tns:IDPairList" /> </xs:sequence> <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	Used to store any error or warning text associated with transaction.
IDs	element	IDPairList	not used	Not used in this context.
resultStatusFlag	attribute	ResultStatusFlag	required	Primary indication of success or failure of called function.

Text (TextList)				
<pre> <xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	In this context, encapsulates text error message string(s).

TextElement (Text)				
<pre> <xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:normalizedString"> <xs:attribute name="formatted" type="xs:boolean" use="optional" /> <xs:attribute name="language" type="xs:language" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

HotelReservations (HotelReservationList)				
<pre> <xs:complexType name="HotelReservationList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="HotelReservation" type="HotelReservation" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment

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HotelReservation	element	HotelReservation	required	HotelReservation element list. Each element represents a single prior stay or booking.
------------------	---------	------------------	----------	--

HotelReservation				
<pre><xs:complexType name="HotelReservation" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="UniqueIDList" type="c:UniqueIDList" /> <xs:element minOccurs="0" name="RoomStays" type="hc:RoomStayList" /> <xs:element minOccurs="0" name="ResGuests" type="ResGuestList" /> <xs:element minOccurs="0" name="WrittenConfInst" type="WrittenConfInst" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
UniqueIDList	element	UniqueIDList	optional	Collection of UniqueID elements, in this context populated with the internal reservation ID for parent booking.
RoomStays	element	RoomStayList	optional	Collection of sparsely populated RoomStays that give an overview or summary of the prior stay.
ResGuests	element	ResGuestList	optional	Collection of sparsely populated ResGuests, providing only basic name information.
WrittenConfInst	element	WrittenConfInst	not used	Not used in this context.

UniqueIDList				
<pre><xs:complexType name="UniqueIDList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="UniqueID" type="tns:UniqueID" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
UniqueID	element	UniqueID	optional	If parent element is present, must contain at least one UniqueID element.

UniqueID				
<pre><xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" type="tns:UniqueIDType" use="required" /> <xs:attribute name="source" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	In this context will be hard coded to INTERNAL, indicating that the root value contained therein is the Opera reservation ID.
source	attribute	string	not used	Not used in this context.

RoomStays (RoomStayList)				
<pre><xs:complexType name="RoomStayList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="RoomStay" type="RoomStay" /> </xs:sequence></pre>				

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</xs:complexType>				
Name	Type	Data Type	Use	Comment
RoomStay	element	RoomStay	required	If parent element is present, must contain at least one RoomStay element.

RoomStay				
<pre><xs:complexType name="RoomStay" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="RatePlans" type="RatePlanList" /> <xs:element minOccurs="0" name="RoomTypes" type="RoomTypeList" /> <xs:element minOccurs="0" name="RoomRates" type="RoomRateList" /> <xs:element minOccurs="0" name="GuestCounts" type="GuestCountList" /> <xs:element minOccurs="0" name="TimeSpan" type="TimeSpan" /> <xs:element minOccurs="0" name="Guarantee" type="Guarantee" /> <xs:element minOccurs="0" name="CancelPenalties" type="CancelPenaltyList" /> <xs:element minOccurs="0" name="CancelTerm" type="CancelTerm" /> <xs:element minOccurs="0" name="HotelReference" type="HotelReference" /> <xs:element minOccurs="0" name="HotelContact" type="HotelContact" /> <xs:element minOccurs="0" name="Total" type="c:Amount" /> <xs:element minOccurs="0" name="ResGuestRPHs" type="ResGuestRPHList" /> <xs:element minOccurs="0" name="Comments" type="ReservationCommentList" /> <xs:element minOccurs="0" name="SpecialRequests" type="SpecialRequestList" /> </xs:sequence> <xs:attribute name="isAlternate" type="xs:boolean" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RatePlans	element	RatePlanList	optional	Collection of RatePlan elements, in this context containing one and only one RatePlan.
RoomTypes	element	RoomTypeList	optional	Collection of RoomType elements, in this context containing one and only one RoomType.
RoomRates	element	RoomRateList	optional	Collection of RoomRate elements, in this context containing one and only one RoomRate.
GuestCounts	element	GuestCountList	optional	Guest count element list, populated as appropriate per prior booking.
TimeSpan	element	TimeSpan	optional	The arrival and departure date for prior booking.
Guarantee	element	Guarantee	not used	Not used in this context.
CancelPenalties	element	CancelPenaltyList	not used	Not used in this context.
CancelTerm	element	CancelTerm	optional	If the booking represented has been cancelled, the terms of its cancellation.
HotelReference	element	HotelReference	optional	The channel converted hotel and chain codes for the subject future booking.
HotelContact	element	HotelContact	not used	Not used in this context.
Total	element	Amount	optional	Total incurred charges for stay.
ResGuestRPHs	element	ResGuestRPHList	optional	List of reservation guest place holders, indicating which reservation guests

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				are associated with this RoomStay.
Comments	element	ReservationCommentList	not used	Not used in this context.
SpecialRequests	element	SpecialRequestList	not used	Not used in this context.
isAlternate	attribute	boolean	not used	Not used in this context.

RatePlans (RatePlanList)

```
<xs:complexType name="RatePlanList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="RatePlan" type="RatePlan" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RatePlan	element	RatePlan	required	Collection of RatePlan elements. If parent element exists, at least one RatePlan element must be contained.

RatePlan

```
<xs:complexType name="RatePlan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="RatePlanDescription" type="Paragraph" />
    <xs:element minOccurs="0" name="Commission" type="Commission" />
    <xs:element minOccurs="0" name="AdditionalDetails" type="AdditionalDetailList" />
    <xs:element minOccurs="0" name="CancellationDateTime" type="xs:dateTime" />
  </xs:sequence>
  <xs:attribute name="ratePlanCategory" type="xs:string" />
  <xs:attribute name="ratePlanCode" type="xs:string" use="required" />
  <xs:attribute name="promotionCode" type="xs:string" />
  <xs:attribute name="qualifyingIdType" type="xs:string" />
  <xs:attribute name="qualifyingIdValue" type="xs:string" />
  <xs:attribute name="effectiveDate" type="xs:date" />
  <xs:attribute name="expirationDate" type="xs:date" />
  <xs:attribute name="hold" type="xs:boolean" />
  <xs:attribute name="mandatoryDeposit" type="xs:boolean" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RatePlanDescription	element	Paragraph	optional	Paragraph type description of RatePlan.
Commission	element	Commission	not used	Not used in this context.
AdditionalDetails	element	AdditionalDetailList	not used	Not used in this context.
CancellationDateTime	element	dateTime	not used	Not used in this context.
ratePlanCategory	attribute	string	not used	Not used in this context.
ratePlanCode	attribute	string	required	The actual rate code used to make booking.
promotionCode	attribute	string	optional	If booking is to be made or was made under a promotion code, that promotion code shall be indicated in this attribute.
qualifyingIdType	attribute	string	not used	Not used in this context.
qualifyingIdValue	attribute	string	not used	Not used in this context.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	not used	Not used in this context.
hold	attribute	boolean	not used	Not used in this context.
mandatoryDeposit	attribute		not used	Not used in this context.

RatePlanDescription (Paragraph)				
<pre><xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:choice maxOccurs="99"> <xs:element name="Text" type="c:Text" /> <xs:element name="Image" type="xs:string" /> <xs:element name="URL" type="xs:anyURI" /> </xs:choice> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	Text element list containing at least one element describing RatePlan.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text				
<pre><xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:normalizedString"> <xs:attribute name="formatted" type="xs:boolean" use="optional" /> <xs:attribute name="language" type="xs:language" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

RoomTypes (RoomTypeList)				
<pre><xs:complexType name="RoomTypeList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="RoomType" type="RoomType" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RoomType	element	RoomType	required	Collection of RoomType elements. If parent element is present, at least one RoomType element is required.

RoomType				
<pre><xs:complexType name="RoomType" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="RoomTypeDescription" type="Paragraph" /> </xs:sequence> <xs:attribute name="roomTypeCode" type="xs:string" use="required" /> <xs:attribute name="invBlockCode" type="xs:string" /> <xs:attribute name="numberOfUnits" type="xs:int" /> <xs:attribute name="isRoom" type="xs:boolean" /> <xs:attribute name="effectiveDate" type="xs:date" /> <xs:attribute name="expirationDate" type="xs:date" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RoomTypeDescription	element	Paragraph	optional	Paragraph type description of subject room type.
roomTypeCode	attribute	string	required	The channel converted room type code.
invBlockCode	attribute	string	optional	If this booking is or is to be part of a group (allotment)

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				booking, this attribute value should be populated with the appropriate allotment code.
numberOfUnits	attribute	int	optional	The number or rooms of the given type in the booking.
isRoom	attribute	boolean	not used	Not used in this context.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	not used	Not used in this context.

RoomTypeDescription (Paragraph)

<code><xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code> <xs:choice maxOccurs="99"></code> <code> <xs:element name="Text" type="c:Text" /></code> <code> <xs:element name="Image" type="xs:string" /></code> <code> <xs:element name="URL" type="xs:anyURI" /></code> <code> </xs:choice></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	Collection of Text elements representing room type description.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text

<code><xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code> <xs:simpleContent></code> <code> <xs:extension base="xs:normalizedString"></code> <code> <xs:attribute name="formatted" type="xs:boolean" use="optional" /></code> <code> <xs:attribute name="language" type="xs:language" use="optional" /></code> <code> </xs:extension></code> <code> </xs:simpleContent></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

RoomRates (RoomRateList)

<code><xs:complexType name="RoomRateList" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code> <xs:sequence></code> <code> <xs:element maxOccurs="unbounded" name="RoomRate" type="RoomRate" /></code> <code> </xs:sequence></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
RoomRate	element	RoomRate	required	Collection of RoomRate objects. Operationally, there shall be one and only one element contained in this list.

RoomRate

<code><xs:complexType name="RoomRate" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code> <xs:sequence></code> <code> <xs:element minOccurs="0" name="Rates" type="RateList" /></code> <code> <xs:element minOccurs="0" name="InvBlockDescription" type="Paragraph" /></code> <code> <xs:element minOccurs="0" name="Total" type="c:Amount" /></code> <code> </xs:sequence></code> <code> <xs:attribute name="roomTypeCode" type="xs:string" use="required" /></code> <code> <xs:attribute name="ratePlanCode" type="xs:string" use="required" /></code>				
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<code><xs:attribute name="effectiveDate" type="xs:date" /></code> <code><xs:attribute name="expirationDate" type="xs:date" /></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Rates	element	RateList	optional	Collection of rate object that indicate the price paid for given rate room combination.
InvBlockDescription	element	Paragraph	optional	If the reservation is a member an allotment, a written description of the block may be passed here as a Paragraph element.
Total	element	Amount	optional	The total incurred cost of the stay.
roomTypeCode	attribute	string	required	The room type code booked / to be booked.
ratePlanCode	attribute	string	required	The rate plan code booked / to be booked.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	not used	Not used in this context.

Rates (RateList) <code><xs:complexType name="RateList" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code><xs:sequence></code> <code><xs:element maxOccurs="unbounded" name="Rate" type="Rate" /></code> <code></xs:sequence></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Rate	element	Rate	required	Collection of rate elements. In this context, only one rate element will be returned, despite any number of rate changes throughout length of stay.

Rate <code><xs:complexType name="Rate" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code><xs:sequence></code> <code><xs:element name="Base" type="c:Amount" /></code> <code><xs:element minOccurs="0" name="AdditionalGuestAmounts" type="AdditionalGuestAmountList" /></code> <code></xs:sequence></code> <code><xs:element minOccurs="0" name="AdditionalBedAmounts" type="AdditionalBedAmountList" /></code> <code></xs:sequence></code> <code><xs:attribute name="effectiveDate" type="xs:date" /></code> <code><xs:attribute name="expirationDate" type="xs:date" /></code> <code><xs:attribute name="rateOccurrence" type="RateOccurrenceType" /></code> <code><xs:attribute name="otherRateOccurrence" type="xs:string" /></code> <code><xs:attribute name="rateChangeIndicator" type="xs:boolean" /></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Base	element	Amount	required	Base rate amount, or notional daily rate.
AdditionalGuestAmounts	element	AdditionalGuestAmountList	not used	Not used in this context.
AdditionalBedAmounts	element	AdditionalBedAmountList	not used	Not used in this context.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	not used	Not used in this context.

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				context.
rateOccurrence	attribute	RateOccurrenceType	optional	For purposes of this interface, this value, when present, will always be "daily".
otherRateOccurrence	attribute	string	optional	If rateOccurrence attribute value where "OTHER" then this field would become operationally required.
rateChangeIndicator	attribute	boolean	optional	If a rate change does exist throughout the length of stay, this value will be populated and set to true.

Base (Amount)				
<pre><xs:complexType name="Amount" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:double"> <xs:attribute name="currencyCode" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	none	Currency code of value specified in root value.

InvBlockDescription (Paragraph)				
<pre><xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:choice maxOccurs="99"> <xs:element name="Text" type="c:Text" /> <xs:element name="Image" type="xs:string" /> <xs:element name="URL" type="xs:anyURI" /> </xs:choice> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	The text description of the allotment if reservation is part of a block and description is provided.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text				
<pre><xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:normalizedString"> <xs:attribute name="formatted" type="xs:boolean" use="optional" /> <xs:attribute name="language" type="xs:language" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

Total (Amount) (Anticipated total amount of stay)				
<pre><xs:complexType name="Amount" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:double"> <xs:attribute name="currencyCode" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	none	If the root amount value is populated, then this value is operationally required.

GuestCounts (GuestCountList)				
<pre><xs:complexType name="GuestCountList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="GuestCount" type="GuestCount" /> </xs:sequence> <xs:attribute name="isPerRoom" type="xs:boolean" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
GuestCount	element	GuestCount	required	Collection of GuestCount elements. If parent element is not present, a value of one adult and no children should be assumed. If parent element is present, at least one properly formed GuestCount element is required.
isPerRoom	attribute	boolean	optional	For purposes of this interface, this value should be assumed to have a value of or populated as "true".

GuestCount				
<pre><xs:complexType name="GuestCount" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:attribute name="ageQualifyingCode" type="AgeQualifyingCode" /> <xs:attribute name="otherAgeQualifyingCode" type="xs:string" /> <xs:attribute name="age" type="xs:int" /> <xs:attribute name="count" type="xs:int" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
ageQualifyingCode	attribute	AgeQualifyingCode	optional	Enumerated value specifying the age(s) of guests.
otherAgeQualifyingCode	attribute	string	optional	If previous attribute value is set to 'OTHER', then this field becomes operationally required.
age	attribute	int	reserved	Reserved for future use.
count	attribute	int	optional	The number of guests in this age bracket or a this age.

TimeSpan				
<pre><xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element name="StartDate" type="xs:dateTime" /> </xs:sequence> </xs:complexType></pre>				

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<code><xs:element name="EndDate" type="xs:dateTime" /></code> <code><xs:element name="Duration" type="xs:duration" /></code> <code></xs:choice></code> <code></xs:sequence></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	The arrival date of the subject RoomStay.
EndDate	element	dateTime	required	The departure date of the subject RoomStay.
Duration	element	duration	not used	Reserved for future use.

CancelTerm (Used to indicate that a booking has been previously cancelled. One way from Opera to recipient only).

<code><xs:complexType name="CancelTerm" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code><xs:sequence></code> <code><xs:element minOccurs="0" name="CancelReason" type="Paragraph" /></code> <code></xs:sequence></code> <code><xs:attribute name="cancelType" type="CancelTermType" use="required" /></code> <code><xs:attribute name="otherCancelType" type="xs:string" /></code> <code><xs:attribute name="cancelReasonCode" type="xs:string" /></code> <code><xs:attribute name="cancelNumber" type="xs:string" /></code> <code><xs:attribute name="cancelDate" type="xs:date" /></code> <code><xs:attribute name="cancelBy" type="xs:string" /></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
CancelReason	element	Paragraph	optional	Full text of cancellation reason.
cancelType	attribute	CancelTermType	required	The type of cancellation (enumerated value)
otherCancelType	attribute	string	optional	If the 'OTHER' enumerated value is selected in previous attribute, then this attribute becomes operationally required.
cancelReasonCode	attribute	string	optional	If there is a code associated with cancellation reason, that code shall be populated in this attribute.
cancelNumber	attribute	string	optional	The cancellation number of the subject booking.
cancelDate	attribute	date	optional	The date the booking was cancelled.
cancelBy	attribute	string	optional	The username / id of the operator that cancelled the booking.

CancelReason (Paragraph)

<code><xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema"></code> <code><xs:choice maxOccurs="99"></code> <code><xs:element name="Text" type="c:Text" /></code> <code><xs:element name="Image" type="xs:string" /></code> <code><xs:element name="URL" type="xs:anyURI" /></code> <code></xs:choice></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	The text description of why cancellation was executed.
Image	element	string	not used	Not used in this context.

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URL	element	anyURI	not used	Not used in this context.
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Text				
<pre><xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:normalizedString"> <xs:attribute name="formatted" type="xs:boolean" use="optional" /> <xs:attribute name="language" type="xs:language" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

HotelReference				
<pre><xs:complexType name="HotelReference" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="chainCode" type="xs:string" use="optional" /> <xs:attribute name="hotelCode" type="xs:string" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
chainCode	attribute	string	optional	Channel converted chain code for alternate resort or property.
hotelCode	attribute	string	required	Channel converted hotel / property code for alternate resort or property.

Total (Amount) (Estimated or actual total amount of stay)				
<pre><xs:complexType name="Amount" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:double"> <xs:attribute name="currencyCode" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	optional	ISO currency code of amount represented in root node.

ResGuestRPHs (ResGuestRPHList)				
<pre><xs:complexType name="ResGuestRPHList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="ResGuestRPH" type="ResGuestRPH" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
ResGuestRPH	element	ResGuestRPH	required	Collection of ResGuestRPH elements. At least one must be present to form a valid booking.

ResGuestRPH				
<pre><xs:complexType name="ResGuestRPH" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:attribute name="RPH" type="xs:int" use="required" /> </xs:complexType></pre>				

Name	Type	Data Type	Use	Comment
RPH	attribute	int	required	Integer value used to represent the relative position of the ResGuest record within the overall bookings ResGuests element.

ResGuests (ResGuestList)

```
<xs:complexType name="ResGuestList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="ResGuest" type="ResGuest" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ResGuest	element	ResGuest	required	Collection of ResGuest elements. At least one must be present to create a valid booking.

ResGuest

```
<xs:complexType name="ResGuest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Profiles" type="n:ProfileList" />
    <xs:element minOccurs="0" name="SpecialRequests" type="hc:SpecialRequestList" />
    <xs:element minOccurs="0" name="Comments" type="hc:ReservationCommentList" />
    <xs:element minOccurs="0" name="ArrivalTransport" type="hc:TransportInfo" />
    <xs:element minOccurs="0" name="DepartureTransport" type="hc:TransportInfo" />
    <xs:element minOccurs="0" name="GuestCounts" type="hc:GuestCountList" />
    <xs:element minOccurs="0" name="InHouseTimeSpan" type="hc:TimeSpan" />
  </xs:sequence>
  <xs:attribute name="resGuestRPH" type="xs:int" use="required" />
  <xs:attribute name="ageQualifyingCode" type="hc:AgeQualifyingCode" />
  <xs:attribute name="otherAgeQualifyingCode" type="xs:string" />
  <xs:attribute name="arrivalTime" type="xs:time" />
  <xs:attribute name="departureTime" type="xs:time" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Profiles	element	ProfileList	optional	List of Profile elements.
SpecialRequests	element	SpecialRequestList	not used	Not used in this context.
Comments	element	ReservationCommentList	not used	Not used in this context.
ArrivalTransport	element	TransportInfo	not used	Not used in this context.
DepartureTransport	element	TransportInfo	not used	Not used in this context.
GuestCounts	element	GuestCountList	not used	Not used in this context.
InHouseTimeSpan	element	TimeSpan	not used	Not used in this context.
resGuestRPH	attribute	int	required	This element's relative place order within parent element list.
ageQualifyingCode	attribute	AgeQualifyingCode	not used	Not used in this context.
otherAgeQualifyingCode	attribute	string	not used	Not used in this context.

arrivalTime	attribute	time	not used	Not used in this context.
departureTime	attribute	time	not used	Not used in this context.

Profiles (ProfileList)				
<pre><xs:complexType name="ProfileList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Profile" type="tns:Profile" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Profile	element	Profile	optional	Within attached profiles, only ProfileIDs and Customer name information will be provided.