



**HTNG Product Distribution
Seamless Shop & Book Specification
Version 3.1**

31 October 2014

About HTNG

Hotel Technology Next Generation (HTNG) is a non-profit association with a mission to foster, through collaboration and partnership, the development of next-generation systems and solutions that will enable hoteliers and their technology vendors to do business globally in the 21st century; to be recognized as a leading voice of the global hotel community, articulating the technology requirements of hotel companies of all sizes to the vendor community; and to facilitate the development of technology models for hospitality that will foster innovation, improve the guest experience, increase the effectiveness and efficiency of hotels, and create a healthy ecosystem of technology suppliers.

Copyright 2014, Hotel Technology Next Generation

All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the copyright owner.

For any software code contained within this specification, permission is hereby granted, free-of-charge, to any person obtaining a copy of this specification (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the above copyright notice and this permission notice being included in all copies or substantial portions of the Software.

Manufacturers and software providers shall not claim compliance with portions of the requirements of any HTNG specification or standard, and shall not use the HTNG name or the name of the specification or standard in any statements about their respective product(s) unless the product(s) is (are) certified as compliant to the specification or standard.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES, OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF, OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Permission is granted for implementers to use the names, labels, etc. contained within the specification. The intent of publication of the specification is to encourage implementations of the specification.

This specification has not been verified for avoidance of possible third-party proprietary rights. In implementing this specification, usual procedures to ensure the respect of possible third-party intellectual property rights should be followed. Visit <http://htng.org/ip-claims> to view third-party claims that have been disclosed to HTNG. HTNG offers no opinion as to whether claims listed on this site may apply to portions of this specification.

The names Hotel Technology Next Generation and HTNG, and logos depicting these names, are trademarks of Hotel Technology Next Generation. Permission is granted for implementers to use the aforementioned names in technical documentation for the purpose of acknowledging the copyright and including the notice required above. All other use of the aforementioned names and logos requires the permission of Hotel Technology Next Generation, either in written form or as explicitly permitted for the organization's members through the current terms and conditions of membership.

Table of contents

VERSION 3.1	1
31 OCTOBER 2014	1
1 THIS SPECIFICATION AT A GLANCE.....	5
2 DOCUMENT INFORMATION	6
2.1 DOCUMENT HISTORY	6
2.2 DOCUMENT PURPOSE	7
2.3 SCOPE	7
2.4 RELATIONSHIP TO OTHER STANDARDS.....	7
2.5 USEFUL RESOURCES.....	7
2.6 AUDIENCE.....	7
2.7 OVERVIEW	7
2.8 FURTHER CONSIDERATIONS.....	8
3 COMPONENT SCENARIOS.....	9
3.1 SEAMLESS SHOPPING / CHECK AVAILABILITY	10
3.1.1 <i>Overview</i>	10
3.1.2 <i>Roles</i>	10
3.1.3 <i>Use Case</i>	11
3.1.4 <i>Message Flows</i>	11
3.1.5 <i>Shop for Availability</i>	11
3.1.6 <i>Shop for Packages</i>	14
3.1.7 <i>Shop for Package Availability and Add-On Services (Non-Inclusive)</i>	15
3.1.8 <i>Shop for Specific Rate Plan (Non-Package) and Add-On Services (Non-Inclusive)</i> .	17
3.1.9 <i>Shop for Specific Package and Add-On Services (Non-Inclusive)</i>	19
3.1.10 <i>Shop for Non-Package Availability and Add-On Services (Non-Inclusive)</i>	21
3.2 SEAMLESS RESERVATION – BOOK, MODIFY OR CANCEL	23
3.2.1 <i>Overview</i>	23
3.2.2 <i>Roles</i>	23
3.2.3 <i>Use Case</i>	23
3.2.4 <i>Message Flows</i>	24
3.2.5 <i>Book Reservation</i>	24
3.2.6 <i>Book Reservation – Hold Inventory</i>	30
3.2.7 <i>Modify Reservation</i>	36
3.2.8 <i>Cancel Reservation</i>	40
3.2.9 <i>Rate Plan Reservation with Add-On Service</i>	41
3.2.10 <i>Package Reservation</i>	45
3.2.11 <i>Package Reservation with Add-On Service</i>	48
3.2.12 <i>Remove /Cancel Add-on Service from Existing Reservation</i>	52
3.3 LOOKUP RESERVATION	55

3.3.1	Overview	55
3.3.2	Roles	55
3.3.3	Use Case	56
3.3.4	Message Flows	56
3.3.5	Sample Scenario	57
4	MESSAGES	61
4.1	SEAMLESS SHOPPING – CHECK AVAILABILITY	61
4.1.1	Data Element Table – Check Availability Request	61
4.1.2	Data Element Table – Check Availability Response	65
4.2	SEAMLESS RESERVATION – BOOK/MODIFY/CANCEL RESERVATION	80
4.2.1	Data Element Table – Book/Modify/Cancel Reservation Request	80
4.2.2	Data Element Table – Book/Modify/Cancel Reservation Response	99
4.3	LOOKUP RESERVATION	118
4.3.1	Data Element Table – Lookup Reservation Request	118
4.3.2	Data Element Table – Lookup Reservation Response	120
5	APPENDICES	139
5.1	GLOSSARY OF TERMS	139
5.2	REFERENCED DOCUMENTS	139
5.3	FREQUENTLY ASKED QUESTIONS	139
5.3.1	How should all identifiers be assigned?	139
5.3.2	How should errors and warnings be used?	139
5.3.3	How can share reservations be sent?	140
5.3.4	Handling of AvailReqType and RatePlanType	140

1 This Specification at a Glance

This specification details a set of core services and a schema to be used in the exchange of seamless reservation information between systems.

The use cases covered in this document include the following:

- Seamless Shopping / Check Availability
 - Shop for Availability
 - Shop for Packages
 - Shop for Package Availability and Add-On Services (Non-Inclusive)
 - Shop for Specific Rate Plan (Non-Package) and Add-On Services (Non-Inclusive)
 - Shop for Specific Package and Add-On Services (Non-Inclusive)
 - Shop for Non-Package Availability and Add-On Services (Non-Inclusive)
- Seamless Reservation – Book, Modify or Cancel
 - Book Reservation
 - Book Reservation – Hold Inventory
 - Modify Reservation
 - Cancel Reservation
 - Rate Plan Reservation with Add-On Service
 - Package Reservation
 - Package Reservation with Add-On Service
 - Remove/Cancel Add-On Service from Existing Reservation
- Lookup Reservation

2 Document Information

2.1 Document History

Version	Date	Author	Comments
1.0	April 2010	Product Distribution (PD) Workgroup	Created Seamless Shop/Book spec
1.1	October 2010	PD Workgroup	Updated spec
1.2	October 2011	PD Workgroup	Updated spec
2.0	October 2012	PD Workgroup	Updated spec to allow for dynamic packaging
2.1	April 2013	PD Workgroup	Updated spec to include @Age, @ShareAllOptOutInd and @ShareAllMarketInd
2.1.01	25 Nov 2013	Kylene Reese	Moved spec into standalone document
2.1.02	09 Dec 2013	PD Workgroup	Updated and reviewed scenarios
2.1.03	16 Dec 2013	PD Workgroup	Identified gaps in spec and assigned accordingly; added summaries
2.1.04–.08	Jan – Feb 2014	PD Workgroup	Updated use cases and scenarios
2.1.09–.10	Feb 2014	PD Workgroup	Finalized data element tables
2.1.11–2.1.12	March 2014	PD Workgroup	Finalized scenarios and roles
2.90	20 Mar 2014	Kylene Reese	Prepared spec for member review period
2.99	09 Apr 2014	Kylene Reese	Prepared spec for workgroup vote
3.0	April 2014	PD Workgroup	Released updated spec publicly; now separated from all-inclusive Product Distribution document
3.0.01	10 Jun 2014	Jay Rosamilia	Made note that NameType attribute may be required in other specifications

2.2 Document Purpose

This document defines the Hotel Technology Next Generation (HTNG) scenarios and business processes for exchanging shopping messages based on OpenTravel Alliance messages. This document provides a framework for trading partners to define various attributes related to statistics to be exchanged between systems.

2.3 Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for messages related to shopping.

2.4 Relationship to Other Standards

This specification and its supporting schemas leverage the existing OpenTravel Alliance methodology for message construction and draws upon data definitions common to several HTNG specifications as of April 2014.

Related specifications:

- Outline of most recent versions of all HTNG Product Distribution specifications available on [workgroup's wiki page](#)
- [Open Travel Alliance Specifications](#)

2.5 Useful Resources

- [Implementing Web Services Using HTNG Specifications – A Quick Start Guide for Software Developers](#)
- HTNG Discussion Board – currently available at <http://www2.htng.org/discussion>
- [Error Handling Appendix](#) – This is a companion document containing mandatory and optional error codes. This document is relevant when referring to warnings or errors, which are reported in message responses.

2.6 Audience

This document is designed as a guide for project managers, programmers and analysts to gain detailed information needed to implement the distribution of shopping information between systems.

2.7 Overview

The OpenTravel Alliance messages contain a large number of optional fields, and the same information can be represented in a number of different ways.

The intent of the specification is to recommend a minimum common standard to represent complex data. The intent is also to avoid having to pass the same information in more than one field, thus avoiding confusion.

Trading partners may agree prior to implementation to use additional fields for data not covered in the scenario, including TPA extensions as per the OpenTravel Alliance schemas.

2.8 Further Considerations

The scenarios outlined provide a common starting point for the definition of the messages exchanged and that the implementers of these messages will:

1. Add expansions as needed to enable exchange of additional information while retaining compliance with the OpenTravel Alliance specifications.
2. Report expansions deemed common to HTNG for consideration as additional scenarios.
3. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release.

3 Component Scenarios

Partners will be responsible for creating their own Quality Assurance Test Scripts.

The intent of the HTNG scenarios is to recommend a minimum common denominator and clarify what fields should be used to transfer the data required. The main aim is to avoid having to pass the same information in more than one field, thus avoiding confusion.

Trading partners may agree prior to implementation to use additional fields for data not covered in the scenario, including TPA extensions as per the OpenTravel Alliance specifications schema.

A Note about required fields

In each of the scenarios below, sample request and response messages are provided. In each of these samples, **bold typeface** is used on some data values specific to a given scenario that differentiates it from other scenarios; these data values **MUST** be populated in addition to the required data as outlined in the corresponding Data Element Table.

Behavior

The process being facilitated is that of exchanging shopping information between systems [generally, but not exclusively, a Revenue Management System and a Property Management System (PMS) or a Central Reservation System (CRS)].

Based on the type of information that needs to be exchanged, trading partners will select the appropriate scenario and fill in the Extensible Markup Language (XML) according to the guidelines provided in the specific scenario.

XML will then be sent to the appropriate webservice, and the correct response will be used for the selected profile. To facilitate the ease of troubleshooting, it is highly recommended that both the sending and receiving systems log communications.

Behavior Expected Prior to Transmission

The behavior expected from a sending system will be:

- The provision of the appropriate extract for the appropriate property, depending on whether the extract is the initial file; i.e. required to initiate system build, or snapshot file, required for normal daily processing
- The provision of the appropriate extract for the appropriate property, in accordance with the frequency and schedule agreed upon by the trading partners
- Usage of the appropriate profile for the type of information to be sent
- Translation of shopping information into codes understood by the receiving system (if required)

- Provision of all fields classified as Mandatory in the profile
- Validation of XML message format
- Transmission of the XML to appropriate URL set up by the receiving system using the appropriate identification criteria (SOAP username and password provided by the receiving system)
- Ensure proper processing of the response message

Behavior Expected from Receiving System

Upon receipt of the XML message the behavior expected from the receiving system will be:

- Process XML received by the sending system
- Return shopping information based on the criteria provided by the sending system
- If retrieval is not possible: create an error response as defined in the profile and transmit the response to the sending system
- Acknowledge successful/unsuccessful processing using the appropriate response message

Behavior Expected Upon Processing by Receiving System

Once the initial request has been processed by the receiving system, the sending system will need to:

- Be able to evaluate error responses coming from the receiving system
- React to error responses as needed by modifying the XML and/or ensuring correct mapping tables are used

3.1 Seamless Shopping / Check Availability

3.1.1 Overview

The basic on-demand shopping scenario covers the basic use case in which a system with the ability to book reservations sends a request for availability to a system that holds inventory for booking. The intent of the messages is to provide a mechanism for one system to check the real time availability of inventory held in another.

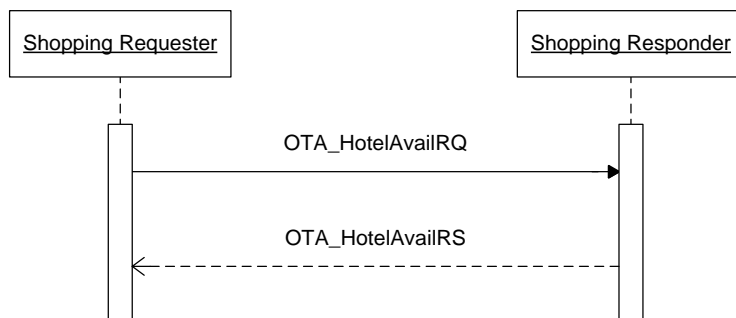
3.1.2 Roles

Role Name	Definition	Example
Shopping Requester	A system that has the need to obtain product availability.	<ul style="list-style-type: none">• Online Travel Agent• Web Booking Engine
Shopping Responder	A system that maintains product availability.	<ul style="list-style-type: none">• Central Reservation System• Property Management System• Channel Management System

3.1.3 Use Case

Assumption:	Shopping Requester and Shopping Responder have agreed which attributes will be transmitted and accepted.
Pre-condition:	None
Trigger:	The Shopping Requester, through event or manual action, has determined that it must obtain a list of available products from the Shopping Responder.
Basic Course of Events:	<ol style="list-style-type: none"> 1. Shopping Requester constructs OTA_HotelAvailRQ with the appropriate query parameters. 2. Shopping Requester successfully transmits message payload. 3. Shopping Responder receives the message payload. 4. Shopping Responder processes OTA_HotelAvailRQ. 5. Shopping Responder returns the available products appropriate to the query parameters, using OTA_HotelAvailRS.
Post-condition:	Shopping Requester may update their database to log what was last successfully processed.
Exception Path:	None
Alternative Path:	None

3.1.4 Message Flows



3.1.5 Shop for Availability

This scenario shows a request for availability with different rate prices during the stay.

3.1.5.1 Sample Request

```

<OTA_HotelAvailRQ PrimaryLangID="en-US" TimeStamp="2013-09-05T16:45:22Z"
xmlns="http://www.opentravel.org/OTA/2003/05" Version="">
  <POS>
    <Source>
      <RequestorID Type="7" ID="124"/>
      <!-- code 7 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">

```

```

    <!-- code 1 = Global distribution system -->
    <CompanyName Code="OT">OnlineTravel Agency. com</CompanyName>
  </BookingChannel>
</Source>
</POS>
<AvailRequestSegments>
  <AvailRequestSegment AvailReqType="Room">
    <HotelSearchCriteria>
      <Criterion>
        <HotelRef HotelCode="10107"/>
        <StayDateRange Start="2013-12-06" End="2013-12-09"/>
        <RoomStayCandidates>
          <RoomStayCandidate Quantity="1">
            <GuestCounts>
              <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
          </RoomStayCandidate>
        </RoomStayCandidates>
      </Criterion>
    </HotelSearchCriteria>
  </AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>

```

3.1.5.2 Sample Response

```

<OTA_HotelAvailRS EchoToken="" PrimaryLangID="en-US" Timestamp="2013-09-05T16:49:37Z"
xmlns="http://www.opentravel.org/OTA/2003/05" Version="">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="DLX">
          <RoomDescription Name="Deluxe King Room">
            <Text Language="en-US">Deluxe King Room: One King Bed with full bath and
vanity.</Text>
          </RoomDescription>
        </RoomType>
        <RoomType RoomTypeCode="STE">
          <RoomDescription Name="King Suite">
            <Text Language="en-US">King Suite: One King Bed with full bath and vanity,
separate lounging room with couch, desk and TV.</Text>
          </RoomDescription>
        </RoomType>
      </RoomTypes>
      <RatePlans>
        <RatePlan RatePlanCode="RAK">
          <Guarantee>
            <GuaranteeDescription>
              <Text Language="en-US">Credit Card Required</Text>
            </GuaranteeDescription>
          </Guarantee>
          <CancelPenalties>
            <CancelPenalty>
              <PenaltyDescription>
                <Text Language="en-US">Cancel by 6pm day of arrival or fee of 1 night
incl tax</Text>
              </PenaltyDescription>
            </CancelPenalty>
          </CancelPenalties>
          <RatePlanDescription Name="Internet Rate">
            <Text Language="en-US">Internet Rate</Text>
          </RatePlanDescription>
        </RatePlan>
      </RatePlans>
      <RoomRates>
        <RoomRate RoomTypeCode="DLX" RatePlanCode="RAK" EffectiveDate="2013-12-06"
Expi reDate="2013-12-07" Expi reDateExcl usi veIndi cator="1">
          <Rates>
            <Rate>

```

```

    <Base AmountBeforeTax="225.00" AmountAfterTax="268.50"
CurrencyCode="USD">
    <Taxes>
    <Tax Amount="43.50" CurrencyCode="USD"/>
    </Taxes>
    </Base>
    </Rate>
  </Rates>
</RoomRate>
<RoomRate RoomTypeCode="DLX" RatePlanCode="RAK" EffectiveDate="2013-12-08"
Expi reDate="2013-12-08" Expi reDateExcl usi veI ndi cator="0">
  <Rates>
    <Rate>
      <Base AmountBeforeTax="280.00" AmountAfterTax="329" CurrencyCode="USD">
        <Taxes>
        <Tax Amount="49.00" CurrencyCode="USD"/>
        </Taxes>
        </Base>
        </Rate>
      </Rates>
    </RoomRate>
    <RoomRate RoomTypeCode="STE" RatePlanCode="RAK" EffectiveDate="2013-12-06"
Expi reDate="2013-12-06" Expi reDateExcl usi veI ndi cator="0">
      <Rates>
        <Rate>
          <Base AmountBeforeTax="360.00" AmountAfterTax="423.00"
CurrencyCode="USD">
            <Taxes>
            <Tax Amount="63.00" CurrencyCode="USD"/>
            </Taxes>
            </Base>
            </Rate>
          </Rates>
        </RoomRate>
        <RoomRate RoomTypeCode="STE" RatePlanCode="RAK" EffectiveDate="2013-12-07"
Expi reDate="2013-12-07" Expi reDateExcl usi veI ndi cator="0">
          <Rates>
            <Rate>
              <Base AmountBeforeTax="380.00" AmountAfterTax="446.50"
CurrencyCode="USD">
                <Taxes>
                <Tax Amount="66.50" CurrencyCode="USD"/>
                </Taxes>
                </Base>
                </Rate>
              </Rates>
            </RoomRate>
            <RoomRate RoomTypeCode="STE" RatePlanCode="RAK" EffectiveDate="2013-12-08"
Expi reDate="2013-12-08" Expi reDateExcl usi veI ndi cator="0">
              <Rates>
                <Rate>
                  <Base AmountBeforeTax="450.00" AmountAfterTax="528.75"
CurrencyCode="USD">
                    <Taxes>
                    <Tax Amount="78.75" CurrencyCode="USD"/>
                    </Taxes>
                    </Base>
                    </Rate>
                  </Rates>
                </RoomRate>
              </RoomRates>
              <Basi cPropertyInfo Hotel Code="10107" Hotel Name="Las Vegas Hotel and Casino"/>
            </RoomStay>
            <GuestCounts>
            <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
            </GuestCounts>
            <TimeSpan Start="2013-12-06" End="2013-12-09"/>
          </RoomStays>
        </OTA_Hotel Avail RS>

```

3.1.6 Shop for Packages

This is a request for all available packages for 2 nights for 2 adults.

Specific to this message:

- AvailReqType = Room
- RatePlanType = 11

The response includes only packages. Any package returned contains a single price for the entire stay. The Price element is optional, so a responding system may choose to not communicate the breakdown of a package's costs. The Service RPHs point to what is included in this package at no additional cost, and the Service Details in the Service element are specific to what is being offered for this package (1 round of golf for 2 people on Oct 2 – 2 rounds total).

3.1.6.1 Sample Request

```
<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true"
TimeStamp="2013-12-17T09:30:47Z" Version="0.0" Target="Test" PricingMethod="None"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Room">
      <HotelSearchCriteria>
        <Criteria>
          <HotelRefChainCode="a" HotelName="a" BrandCode="a" HotelCode="a"
HotelCodeContext="a"/>
          <StayDateRange End="2014-10-03" Start="2014-10-01"/>
          <RoomStayCandiates>
            <RoomStayCandiate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandiate>
          </RoomStayCandiates>
          <RatePlanCandiates>
            <RatePlanCandiate RatePlanType="11"/>
          </RatePlanCandiates>
        </Criteria>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

3.1.6.2 Sample Response

```
<OTA_HotelAvailRS EchoToken="a" TimeStamp="2013-12-17T09:30:47Z" Version="0.0"
Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceViewableInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="PKG1"
RatePlanType="11" RoomTypeCode="KING" ExpireDate="2014-10-01" EffectiveDate="2014-10-03">
          <Rates>
            <Rate ExpireDate="2014-10-03" EffectiveDate="2014-10-01"
RateTimeUnit="FullDuration">
```

```

    <Base AmountBeforeTax="500" AdditionalFeesExcludedIndicator="true"
CurrencyCode="USD" AmountAfterTax="500" DecimalPlaces="1"/>
  </Rate>
</Rates>
  <ServiceRPHs>
    <ServiceRPH IsPerRoom="true" RPH="0"/>
  </ServiceRPHs>
</RoomRate>
</RoomRates>
<TimeSpan End="2014-10-01" Start="2014-10-03"/>
<BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
<GuestCounts>
  <GuestCount AgeQualifyingCode="10" Count="2"/>
</GuestCounts>
</RoomStay>
</RoomStays>
<Services>
  <Service ID="CPL18HOLEROUND" Type="18" Inclusive="true" RequestedIndicator="true"
ServiceInventoryCode="CPL18HOLEROUND" ServiceRPH="0" Quantity="2"
ServicePricingType="Per use">
    <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusionIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
      <Base Type="5" AmountBeforeTax="100.00" CurrencyCode="USD"
AmountAfterTax="100.00" DecimalPlaces="2"/>
      <Total Type="5" AmountBeforeTax="200.00" CurrencyCode="USD"
AmountAfterTax="200.00" DecimalPlaces="2"/>
    </Price>
    <ServiceDetails>
      <GuestCounts IsPerRoom="false">
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
      <TimeSpan End="2014-10-02" Start="2014-10-02"/>
    </ServiceDetails>
  </Service>
</Services>
</OTA_HotelAvailabilityRS>

```

3.1.7 Shop for Package Availability and Add-On Services (Non-Inclusive)

This is a request for package availability that is also requesting add-ons to be returned.

Specific to this message:

- AvailReqType = Both
- RatePlanType = 11

The response will return packages along with exclusive service options (potentially at an extra cost).

3.1.7.1 Sample Request

```

<OTA_HotelAvailabilityRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true"
TimeStamp="2013-12-17T09:30:47Z" Version="0.0" Target="Test" PricingMethod="None"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailabilityRequestSegments>
    <AvailabilityRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a"
HotelCodeContext="a"/>
          <StayDateRange End="2014-10-03" Start="2014-10-01"/>
        </Criterion>
      </HotelSearchCriteria>
    </AvailabilityRequestSegment>
  </AvailabilityRequestSegments>
</OTA_HotelAvailabilityRQ>

```

```

        <GuestCounts IsPerRoom="true">
          <GuestCount AgeQualifyingCode="10" Count="2"/>
        </GuestCounts>
      </RoomStayCanditate>
    </RoomStayCanditates>
    <RatePlanCanditates>
      <RatePlanCanditate RatePlanType="11"/>
    </RatePlanCanditates>
  </Criterion>
</HotelSearchCriteria>
</AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>

```

3.1.7.2 Sample Response

```

<OTA_HotelAvailRS EchoToken="a" Timestamp="2013-12-17T09:30:47Z" Version="0.0"
Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceVisibleInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpiryDateExclusionIndicator="true" RatePlanCode="PKG1"
RatePlanType="11" RoomTypeCode="KING" ExpiryDate="2014-10-01" EffectiveDate="2014-10-03">
          <Rates>
            <Rate ExpiryDate="2014-10-03" EffectiveDate="2014-10-01"
RateTimeUnit="FullDuration">
              <Base AmountBeforeTax="500" AdditionalFeesExcludedIndicator="true"
CurrencyCode="USD" AmountAfterTax="500" DecimalPlaces="1"/>
            </Rate>
          </Rates>
          <ServiceRPHs>
            <ServiceRPH IsPerRoom="true" RPH="0"/>
          </ServiceRPHs>
        </RoomRate>
      </RoomRates>
      <TimeSpan End="2014-10-01" Start="2014-10-03"/>
      <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
      <GuestCounts>
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
    </RoomStay>
  </RoomStays>
  <Services>
    <Service ID="CPL18HOLEROUND" Type="18" Inclusive="true" RequestedIndicator="true"
ServiceInventoryCode="CPL18HOLEROUND" ServiceRPH="0" Quantity="2"
ServicePricingType="Per use">
      <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusionIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
        <Base Type="5" AmountBeforeTax="100.00" CurrencyCode="USD"
AmountAfterTax="100.00" DecimalPlaces="2"/>
        <Total Type="5" AmountBeforeTax="200.00" CurrencyCode="USD"
AmountAfterTax="200.00" DecimalPlaces="2"/>
      </Price>
      <ServiceDetails>
        <GuestCounts IsPerRoom="false">
          <GuestCount AgeQualifyingCode="10" Count="2"/>
        </GuestCounts>
        <TimeSpan End="2014-10-02" Start="2014-10-02"/>
      </ServiceDetails>
    </Service>
  </Services>

```



```
<Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true"
ServiceInventoryCode="MESSAGE" ServiceRPH="1" Quantity="5" ServicePricingType="Per
use">
  <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusionIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
    <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2"/>
    <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2"/>
  </Price>
  <ServiceDetails>
    <TimeSpan Start="2014-10-02T15:00:00" End="2014-10-02T16:00:00"/>
  </ServiceDetails>
</Service>
<Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true"
ServiceInventoryCode="MESSAGE" ServiceRPH="2" Quantity="1" ServicePricingType="Per
use">
  <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusionIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
    <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2"/>
  </Price>
  <ServiceDetails>
    <TimeSpan Start="2014-10-02T16:00:00" End="2014-10-02T17:00:00"/>
  </ServiceDetails>
</Service>
</Services>
</OTA_HotelAvailabilityRS>
```

3.1.8 Shop for Specific Rate Plan (Non-Package) and Add-On Services (Non-Inclusive)

This is a request for a specific rate plan that is also requesting add-ons to be returned.

Specific to this message:

- AvailReqType = Both
- RatePlanCode
- RatePlanType = No value included OR "13" (including no value or "13" will specify that the rate plan code is for a standard rate plan)

The response includes the specified rate plan (if available) and will also include exclusive service options (potentially at an extra cost) that may be added to the rate plan.

3.1.8.1 Sample Request

```
<OTA_HotelAvailabilityRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true"
TimeStamp="2013-12-17T09:30:47Z" Version="0.0" Target="Test" PricingMethod="None"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRefChainCode="a" HotelName="a" BrandCode="a" HotelCode="a"
HotelCodeContext="a"/>
          <StayDateRange End="2014-10-03" Start="2014-10-01"/>
          <RoomStayCandiates>
            <RoomStayCandiate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandiate>
          </RoomStayCandiates>
        </Criterion>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailabilityRQ>
```

```

        </RoomStayCandide>
    </RoomStayCandides>
    <RatePlanCandides>
        <RatePlanCandide RatePlanCode="AAA" />
    </RatePlanCandides>
</Criterion>
</HotelSearchCriteria>
</AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>

```

3.1.8.2 Sample Response

```

<OTA_HotelAvailRS EchoToken="a" Timestamp="2013-12-17T09:30:47Z" Version="0.0"
Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
    <Success/>
    <RoomStays>
        <RoomStay>
            <RoomTypes>
                <RoomType RoomTypeCode="KING" />
            </RoomTypes>
            <RatePlans>
                <RatePlan PriceViewableInd="true" RatePlanCode="AAA" RatePlanType="13" />
            </RatePlans>
            <RoomRates>
                <RoomRate ExpiryDateExclusivityIndicator="true" RatePlanCode="AAA"
RoomTypeCode="KING" ExpiryDate="2014-10-01" EffectiveDate="2014-10-03">
                    <Rates>
                        <Rate ExpiryDate="2014-10-03" EffectiveDate="2014-10-01">
                            <Base AmountBeforeTax="100.00" AdditionalFeesExcludedIndicator="true"
CurrencyCode="AAA" AmountAfterTax="100.00" DecimalPlaces="1" />
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <TimeSpan End="2014-10-01" Start="2014-10-03" />
            <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a" />
            <GuestCounts>
                <GuestCount AgeQualifyingCode="10" Count="2" />
            </GuestCounts>
        </RoomStay>
    </RoomStays>
    <Services>
        <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true"
ServiceInventoryCode="MASSAGE" ServiceRPH="0" Quantity="5" ServicePricingType="Per
use">
            <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusivityIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2" />
                <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2" />
            </Price>
            <ServiceDetails>
                <TimeSpan Start="2014-10-02T15:00:00" End="2014-10-02T16:00:00" />
            </ServiceDetails>
        </Service>
        <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true"
ServiceInventoryCode="MASSAGE" ServiceRPH="1" Quantity="1" ServicePricingType="Per
use">
            <Price MaxGuestApplicable="2" MaxLOS="999" ExpiryDateExclusivityIndicator="true"
AgeQualifyingCode="10" ExpiryDate="2014-12-31" ChargeType="9" UnitMultiplier="1"
EffectiveDate="2014-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD"
AmountAfterTax="50.00" DecimalPlaces="2" />
            </Price>
            <ServiceDetails>
                <TimeSpan Start="2014-10-02T16:00:00" End="2014-10-02T17:00:00" />
            </ServiceDetails>

```

```
</Service>
</Services>
</OTA_HotelAvailabilityRS>
```

3.1.9 Shop for Specific Package and Add-On Services (Non-Inclusive)

This is a request for a specific package that is also requesting add-ons to be returned.

Specific to this message:

- AvailReqType = Both
- RatePlanCode
- RatePlanType = 11

The response includes the specified package (if available) and will also include exclusive service options (potentially at an extra cost) that may be added to the package.

3.1.9.1 Sample Request

```
<OTA_HotelAvailabilityRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true"
TimeStamp="2013-12-17T09:30:47Z" Version="0.0" Target="Test" PricingMethod="None"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailabilityRequestSegments>
    <AvailabilityRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRefChainCode="a" HotelName="a" BrandCode="a" HotelCode="a"
HotelCodeContext="a"/>
          <StayDateRange End="2014-10-03" Start="2014-10-01"/>
          <RoomStayCandidates>
            <RoomStayCandidate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandidate>
          </RoomStayCandidates>
          <RatePlanCandidates>
            <RatePlanCandidate RatePlanCode="PKG1" RatePlanType="11"/>
          </RatePlanCandidates>
          <Service ServiceInventoryCode="CPL18HOLEROUND" Quantity="1"/>
        </Criterion>
      </HotelSearchCriteria>
    </AvailabilityRequestSegment>
  </AvailabilityRequestSegments>
</OTA_HotelAvailabilityRQ>
```

3.1.9.2 Sample Response

```
<OTA_HotelAvailabilityRS EchoToken="a" TimeStamp="2013-12-17T09:30:47Z" Version="0.0"
Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceVisibleInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpirationDateExclusiveIndicator="true" RatePlanCode="PKG1"
RatePlanType="11" RoomTypeCode="KING" ExpirationDate="2014-10-01" EffectiveDate="2014-10-03">

```

```

    <Rates>
      <Rate Expi reDate="2014- 10- 03" Effecti veDate="2014- 10- 01"
RateTi meUni t="Full Duration">
        <Base AmountBeforeTax="500" Addi ti onal FeesExcl udedI ndi cator="true"
CurrencyCode="USD" AmountAfterTax="500" Deci mal Pl aces="1"/>
      </Rate>
    </Rates>
    <Servi ceRPHs>
      <Servi ceRPH IsPerRoom="true" RPH="0"/>
    </Servi ceRPHs>
    </RoomRate>
  </RoomRates>
  <Ti meSpan End="2014- 10- 01" Start="2014- 10- 03"/>
  <Basi cPropertyInfo Chai nCode="a" BrandCode="a" Hotel Code="a"/>
  <GuestCounts>
    <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
  </GuestCounts>
</RoomStay>
</RoomStays>
<Servi ces>
  <Servi ce ID="CPL18HOLEROUND" Type="18" Incl usi ve="true" RequestedI ndi cator="true"
Servi ceInventoryCode="CPL18HOLEROUND" Servi ceRPH="0" Quanti ty="2"
Servi cePri ci ngType="Per use">
    <Pri ce MaxGuestAppl i cable="2" MaxLOS="999" Expi reDateExcl usi veI ndi cator="true"
AgeQual i fyi ngCode="10" Expi reDate="2014- 12- 31" ChargeType="9" Uni tMul ti pl i er="1"
Effecti veDate="2014- 01- 01" Mi nGuestAppl i cable="1" MaxAge="999" Mi nAge="16">
      <Base Type="5" AmountBeforeTax="100. 00" CurrencyCode="USD"
AmountAfterTax="100. 00" Deci mal Pl aces="2"/>
      <Total Type="5" AmountBeforeTax="200. 00" CurrencyCode="USD"
AmountAfterTax="200. 00" Deci mal Pl aces="2"/>
    </Pri ce>
    <Servi ceDetail s>
      <GuestCounts IsPerRoom="fal se">
        <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
      </GuestCounts>
      <Ti meSpan End="2014- 10- 02" Start="2014- 10- 02"/>
    </Servi ceDetail s>
  </Servi ce>
  <Servi ce ID="MASSAGE" Type="18" Incl usi ve="fal se" RequestedI ndi cator="true"
Servi ceInventoryCode="MASSAGE" Servi ceRPH="1" Quanti ty="5" Servi cePri ci ngType="Per
use">
    <Pri ce MaxGuestAppl i cable="2" MaxLOS="999" Expi reDateExcl usi veI ndi cator="true"
AgeQual i fyi ngCode="10" Expi reDate="2014- 12- 31" ChargeType="9" Uni tMul ti pl i er="1"
Effecti veDate="2014- 01- 01" Mi nGuestAppl i cable="1" MaxAge="999" Mi nAge="16">
      <Base Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
      <Total Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
    </Pri ce>
    <Servi ceDetail s>
      <GuestCounts IsPerRoom="fal se">
        <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
      </GuestCounts>
      <Ti meSpan Start="2014- 10- 02T15: 00: 00" End="2014- 10- 02T16: 00: 00"/>
    </Servi ceDetail s>
  </Servi ce>
  <Servi ce ID="MASSAGE" Type="18" Incl usi ve="fal se" RequestedI ndi cator="true"
Servi ceInventoryCode="MASSAGE" Servi ceRPH="2" Quanti ty="1" Servi cePri ci ngType="Per
use">
    <Pri ce MaxGuestAppl i cable="2" MaxLOS="999" Expi reDateExcl usi veI ndi cator="true"
AgeQual i fyi ngCode="10" Expi reDate="2014- 12- 31" ChargeType="9" Uni tMul ti pl i er="1"
Effecti veDate="2014- 01- 01" Mi nGuestAppl i cable="1" MaxAge="999" Mi nAge="16">
      <Base Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
    </Pri ce>
    <Servi ceDetail s>
      <GuestCounts IsPerRoom="fal se">
        <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
      </GuestCounts>
      <Ti meSpan Start="2014- 10- 02T16: 00: 00" End="2014- 10- 02T17: 00: 00"/>
    </Servi ceDetail s>

```

```
</Service>
</Services>
</OTA_HotelAvailabilityRS>
```

3.1.10 *Shop for Non-Package Availability and Add-On Services (Non-Inclusive)*

This is a request for NONpackage availability that is also requesting add-ons to be returned.

Specific to this message:

- AvailReqType = Both
- RatePlanType = 13

The response returns rate plans (no packages) and also contains exclusive service options (potentially at an extra cost to book). In this example, a rate plan is returned along with a single exclusive service option. There are no Service RPHs in RoomRate since nothing is included in the RoomRate. The service elements specify the available add-ons.

3.1.10.1 *Sample Request*

```
<OTA_HotelAvailabilityRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true"
TimeStamp="2013-12-17T09:30:47Z" Version="0.0" Target="Test" PricingMethod="None"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailabilityRequestSegments>
    <AvailabilityRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRefChainCode="a" HotelName="a" BrandCode="a" HotelCode="a"
HotelCodeContext="a"/>
          <StayDateRange End="2014-10-03" Start="2014-10-01"/>
          <RoomStayCandidates>
            <RoomStayCandidate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandidate>
          </RoomStayCandidates>
          <RatePlanCandidates>
            <RatePlanCandidate RatePlanType="13"/>
          </RatePlanCandidates>
        </Criterion>
      </HotelSearchCriteria>
    </AvailabilityRequestSegment>
  </AvailabilityRequestSegments>
</OTA_HotelAvailabilityRQ>
```

3.1.10.2 *Sample Response*

```
<OTA_HotelAvailabilityRS EchoToken="a" TimeStamp="2013-12-17T09:30:47Z" Version="0.0"
Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceVisibleInd="true" RatePlanCode="RACK" RatePlanType="13"/>
      </RatePlans>
    </RoomStay>
  </RoomStays>
```

```

<RoomRate Expi reDateExcl usi veI ndi cator="true" RatePl anCode="RACK"
RoomTypeCode="KING" Expi reDate="2014- 10- 01" Effecti veDate="2014- 10- 03">
  <Rates>
    <Rate Expi reDate="2014- 10- 03" Effecti veDate="2014- 10- 01">
      <Base AmountBeforeTax="100. 00" Addi ti onal FeesExcl udedI ndi cator="true"
CurrencyCode="AAA" AmountAfterTax="100. 00" Deci mal Pl aces="1"/>
    </Rate>
  </Rates>
</RoomRate>
</RoomRates>
<TimeSpan End="2014- 10- 01" Start="2014- 10- 03"/>
<Basi cPropertyInfo Chai nCode="a" BrandCode="a" Hotel Code="a"/>
<GuestCounts>
  <GuestCount AgeQual i fyi ngCode="10" Count="2"/>
</GuestCounts>
</RoomStay>
</RoomStays>
<Servi ces>
  <Servi ce ID="MESSAGE" Type="18" Incl usi ve="fal se" RequestedI ndi cator="true"
Servi ceI nventoryCode="MESSAGE" Servi ceRPH="0" Quanti ty="5" Servi cePri ci ngType="Per
use">
    <Pri ce MaxGuestAppl i cable="2" MaxLOS="999" Expi reDateExcl usi veI ndi cator="true"
AgeQual i fyi ngCode="10" Expi reDate="2014- 12- 31" ChargeType="9" Uni tMul ti pl i er="1"
Effecti veDate="2014- 01- 01" Mi nGuestAppl i cable="1" MaxAge="999" Mi nAge="16">
      <Base Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
      <Total Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
    </Pri ce>
    <Servi ceDetail s>
      <TimeSpan Start="2014- 10- 02T15: 00: 00" End="2014- 10- 02T16: 00: 00"/>
    </Servi ceDetail s>
  </Servi ce>
  <Servi ce ID="MESSAGE" Type="18" Incl usi ve="fal se" RequestedI ndi cator="true"
Servi ceI nventoryCode="MESSAGE" Servi ceRPH="1" Quanti ty="1" Servi cePri ci ngType="Per
use">
    <Pri ce MaxGuestAppl i cable="2" MaxLOS="999" Expi reDateExcl usi veI ndi cator="true"
AgeQual i fyi ngCode="10" Expi reDate="2014- 12- 31" ChargeType="9" Uni tMul ti pl i er="1"
Effecti veDate="2014- 01- 01" Mi nGuestAppl i cable="1" MaxAge="999" Mi nAge="16">
      <Base Type="5" AmountBeforeTax="50. 00" CurrencyCode="USD"
AmountAfterTax="50. 00" Deci mal Pl aces="2"/>
    </Pri ce>
    <Servi ceDetail s>
      <TimeSpan Start="2014- 10- 02T16: 00: 00" End="2014- 10- 02T17: 00: 00"/>
    </Servi ceDetail s>
  </Servi ce>
</Servi ces>
</OTA_Hotel Avail RS>

```

3.2 Seamless Reservation – Book, Modify or Cancel

3.2.1 Overview

This scenario provides a mechanism for one system to request a reservation to be booked, modified or cancelled by using different reservation actions (Initiate, Book, Modify, Cancel).

3.2.2 Roles

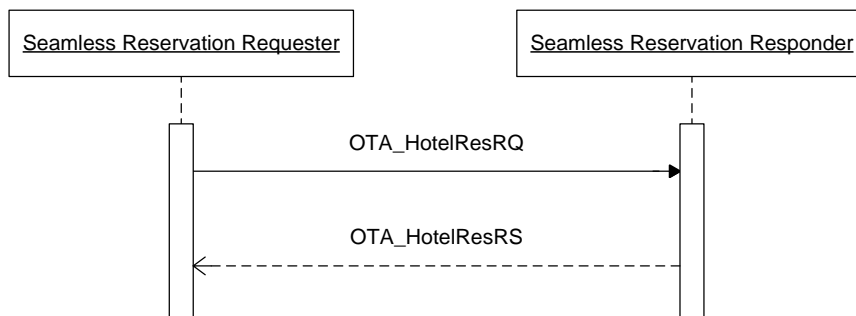
Role Name	Definition	Example
Seamless Reservation Requester	A system that has the need to book, modify or cancel a reservation.	<ul style="list-style-type: none">• Website• Central Reservation System• Property Management System• Channel Management System• Online Travel Agent
Seamless Reservation Responder	A system that maintains seamless reservation information.	<ul style="list-style-type: none">• Central Reservation System• Property Management System• Channel Management System

3.2.3 Use Case

Assumption:	Seamless Reservation Requester and Responder have agreed which attributes will be transmitted and accepted.
Pre-condition:	None
Trigger:	The Seamless Reservation Requester, through event or manual action, has determined that it must request a creation, modification or cancellation of a reservation.
Basic Course of Events:	<ol style="list-style-type: none">1. Seamless Reservation Requester constructs OTA_HotelResRQ with the appropriate parameters.2. Seamless Reservation Requester successfully transmits message payload.3. Seamless Reservation Responder receives the message payload.4. Seamless Reservation Responder processes OTA_HotelResRQ.5. Seamless Reservation Responder returns the confirmation number using OTA_HotelResRS.
Post-condition:	None

Exception Path:	<ol style="list-style-type: none"> 1. At Step 4, the Seamless Reservation Responder does not successfully process the message. 2. Seamless Reservation Responder returns OTA_HotelResRS with the appropriate error indicator. 3. Seamless Reservation Requester may: <ol style="list-style-type: none"> a. Log the response error. b. Take action to correct the error and/or resend the transaction if necessary. c. Wait until the next agreed interval to send an update notification.
Alternative Path:	None

3.2.4 Message Flows



3.2.5 Book Reservation

Once the guest has decided to book, the Seamless Shopping Requester can send the OTA_HotelResRQ using the ResStatus of "Commit" and the Seamless Shopping Responder will respond using the ResStatus of "Committed".

Specific to this message:

- ResStatus="Commit"

3.2.5.1 Sample Request

```

<OTA_HotelResRQ Version="1.003" EchoToken="879791878" ResStatus="Commit"
TimeStamp="2013-10-09T18:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">
        <!-- code 1 = Global distribution system -->
        <CompanyName Code="UA">Sabre GDS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741"/>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRQ>
  
```



```

<!-- code 14 = Reservation -->
<RoomStays>
  <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
    <RoomRates>
      <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
        <Rates>
          <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
            <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
          </Rate>
          <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
            <Base AmountAfterTax="150.00" CurrencyCode="EUR"/>
          </Rate>
        </Rates>
      </RoomRate>
    </RoomRates>
    <GuestCounts IsPerRoom="1">
      <GuestCount AgeQualifyingCode="10" Count="2"/>
      <!-- code 10 = Adult -->
      <GuestCount AgeQualifyingCode="8" Count="1"/>
      <!-- code 8 = Child -->
    </GuestCounts>
    <TimeSpan End="2014-01-17" Start="2014-01-12"/>
    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
      <GuaranteesAccepted>
        <GuaranteeAccepted>
          <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
            <CardHolderName>James Bond</CardHolderName>
            <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
          </PaymentCard>
        </GuaranteeAccepted>
      </GuaranteesAccepted>
      <GuaranteeDescription>
        <Text>Guarantee by cc</Text>
      </GuaranteeDescription>
    </Guarantee>
    <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample -->
    <DepositPayments>
      <GuaranteePayment>
        <AcceptedPayments>
          <AcceptedPayment PaymentTransactionTypeCode="reserve">
            <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
              <CardHolderName>James Bond</CardHolderName>
              <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
            </PaymentCard>
          </AcceptedPayment>
        </AcceptedPayments>
        <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
      </GuaranteePayment>
    </DepositPayments>
    <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT -->
    <Total AmountAfterTax="600.00" CurrencyCode="EUR">
      <Taxes Amount="90.00" CurrencyCode="EUR">
        <Tax Percent="17.50" Type="Inclusive" Code="19">
          <!-- code 19 = VAT/GST tax -->
        </Tax>
      </Taxes>
    </Total>
    <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
    <TPA_Extensions/>
    <ResGuestRPHs>
      <ResGuestRPH RPH="1"/>

```

```

</ResGuestRPHs>
<Memberships>
  <Membership AccountID="12345689" ProgramCode="Miles and More"/>
</Memberships>
<Comments>
  <Comment GuestViewable="1">
    <Text>Will be Travelling with Mrs Bardot</Text>
  </Comment>
  <Comment GuestViewable="0">
    <Text>Surprise gift in room</Text>
  </Comment>
</Comments>
<SpecialRequests>
  <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
  <SpecialRequest>
    <Text>Pool view requested</Text>
  </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
        <!-- code 1 = Customer -->
        <Profile ProfileType="1">
          <!-- code 1 = Customer -->
          <Customer>
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>James</GivenName>
              <MiddleName>Arthur</MiddleName>
              <Surname>Bond</Surname>
            </PersonName>
            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-66564100" PhoneTechType="1" PhoneLocationType="7"/>
            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
            <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101" PhoneTechType="3" PhoneLocationType="7"/>
            <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
            <Email EmailType="2">james.bond@mi5.co.uk</Email>
            <!-- code 2 = Business -->
            <Address Type="1">
              <!-- code 1 = Home -->
              <AddressLine>Claretta House</AddressLine>
              <AddressLine>Tower Bridge Close</AddressLine>
              <CityName>London</CityName>
              <PostalCode>EC1 2PG</PostalCode>
              <StateProv StateCode="ENG"/>
              <CountryName Code="UK"/>
            </Address>
            <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
          </Customer>
        </Profile>
      </ProfileInfo>
      <ProfileInfo>
        <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
        <!-- code 4 = Company -->
        <Profile ProfileType="3">
          <!-- code 3 = Corporation -->
          <CompanyInfo>
            <CompanyName>MI 5</CompanyName>
            <AddressInfo>
              <AddressLine>MOD Building</AddressLine>
              <AddressLine>52 Bond Street</AddressLine>
              <CityName>London</CityName>
              <PostalCode>W1 3PQ</PostalCode>
              <StateProv StateCode="England"/>
              <CountryName Code="UK"/>
            </AddressInfo>
          </CompanyInfo>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>

```

```

1534" <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
PhoneTechType="1"/>
1535" <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
PhoneTechType="3"/>
<Email>Mi5Info@mi5.co.uk</Email>
</CompanyInfo>
</Profile>
</ProfileInfo>
<ProfileInfo>
<UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
<!-- code 5 = Travel agency -->
<Profile ProfileType="4">
<!-- code 4 = Travel Agent -->
<CompanyInfo>
<CompanyName>Travel Dreams</CompanyName>
<AddressInfo>
<AddressLine>56 Bond Street</AddressLine>
<CityName>London</CityName>
<PostalCode>W1 3PQ</PostalCode>
<StateProv StateCode="England"/>
<CountryName Code="UK"/>
</AddressInfo>
<TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
<TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
<Email>reservations@travel dreams.co.uk</Email>
</CompanyInfo>
</Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
<TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
<TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
<HotelReservationIDs>
<HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
<!-- code 24 = Travel Agent PNR -->
</HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

3.2.5.2 Sample Request

```

<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" TimeStamp="2013-10-09T18:52:15" ResResponseType="Committed">
<Success/>
<HotelReservations>
<HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
<UniqueID Type="14" ID="3741"/>
<!-- code 14 = Reservation -->
<RoomStays>
<RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
<RoomRates>
<RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
<Rates>
<Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
<BaseAmountAfterTax="100.00" CurrencyCode="EUR"/>
</Rate>
<Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
<BaseAmountAfterTax="150.00" CurrencyCode="EUR"/>

```

```

        </Rate>
      </Rates>
    </RoomRate>
  </RoomRates>
  <GuestCounts IsPerRoom="1">
    <GuestCount AgeQualifyingCode="10" Count="2"/>
    <!-- code 10 = Adult-->
    <GuestCount AgeQualifyingCode="8" Count="1"/>
    <!-- code 8 = Child-->
  </GuestCounts>
  <TimeSpan End="2014-01-17" Start="2014-01-12"/>
  <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
    <GuaranteesAccepted>
      <GuaranteeAccepted>
        <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
          <CardHolderName>James Bond</CardHolderName>
          <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
        </PaymentCard>
      </GuaranteeAccepted>
    </GuaranteesAccepted>
    <GuaranteeDescription>
      <Text>Guarantee by cc</Text>
    </GuaranteeDescription>
  </Guarantee>
  <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
  <DepositPayments>
    <GuaranteePayment>
      <AcceptedPayments>
        <AcceptedPayment PaymentTransactionTypeCode="reserve">
          <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
            <CardHolderName>James Bond</CardHolderName>
            <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
          </PaymentCard>
        </AcceptedPayment>
      </AcceptedPayments>
      <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
      <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
    </GuaranteePayment>
  </DepositPayments>
  <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
  <Total AmountAfterTax="600.00" CurrencyCode="EUR">
    <Taxes Amount="90.00" CurrencyCode="EUR">
      <Tax Percent="17.50" Type="Inclusive" Code="19">
        <!-- code 19 = VAT/GST tax-->
      </Tax>
    </Taxes>
  </Total>
  <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
  <TPA_Extensions/>
  <ResGuestRPHs>
    <ResGuestRPH RPH="1"/>
  </ResGuestRPHs>
  <Memberships>
    <Membership AccountID="12345689" ProgramCode="Miles and More"/>
  </Memberships>
  <Comments>
    <Comment GuestViewable="1">
      <Text>Will be Travelling with Mrs Bardot</Text>
    </Comment>
    <Comment GuestViewable="0">
      <Text>Surprise gift in room</Text>
    </Comment>
  </Comments>
  <SpecialRequests>
    <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>

```

```

        <SpecialRequest>
        <Text>Pool view requested</Text>
        </SpecialRequest>
    </SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest ResGuestRPH="1">
        <Profiles>
            <ProfileInfo>
                <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
                <!-- code 1 = Customer-->
                <Profile ProfileType="1">
                    <!--code 1 = Customer-->
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr</NamePrefix>
                            <GivenName>James</GivenName>
                            <MiddleName>Arthur</MiddleName>
                            <Surname>Bond</Surname>
                        </PersonName>
                        <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
                        <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
                        <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
                        <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
                        <Email EmailType="2">james.bond@mi5.co.uk</Email>
                        <!--code 2 = Business-->
                        <Address Type="1">
                            <!--code 1 = Home-->
                            <AddressLine>Claretta House</AddressLine>
                            <AddressLine>Tower Bridge Close</AddressLine>
                            <CityName>London</CityName>
                            <Postal Code>EC1 2PG</Postal Code>
                            <StateProv StateCode="ENG"/>
                            <CountryName Code="UK"/>
                        </Address>
                        <CustLoyalty ProgramID="FrequentGuest" MembershiPID="12345"/>
                    </Customer>
                </Profile>
            </ProfileInfo>
            <ProfileInfo>
                <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
                <!--code 4 = Company-->
                <Profile ProfileType="3">
                    <!--code 3 = Corporation-->
                    <CompanyInfo>
                        <CompanyName>MI 5</CompanyName>
                        <AddressInfo>
                            <AddressLine>MOD Building</AddressLine>
                            <AddressLine>52 Bond Street</AddressLine>
                            <CityName>London</CityName>
                            <Postal Code>W1 3PQ</Postal Code>
                            <StateProv StateCode="England"/>
                            <CountryName Code="UK"/>
                        </AddressInfo>
                        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1534" PhoneTechType="1"/>
                        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1535" PhoneTechType="3"/>
                        <Email>MI5Info@mi5.co.uk</Email>
                    </CompanyInfo>
                </Profile>
            </ProfileInfo>
            <ProfileInfo>
                <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
                <!--code 5 = Travel agency-->
                <Profile ProfileType="4">
                    <!--code 4 = Travel Agent-->
                    <CompanyInfo>

```

```

        <CompanyName>Travel Dreams</CompanyName>
        <AddressInfo>
            <AddressLine>56 Bond Street</AddressLine>
            <CityName>London</CityName>
            <PostalCode>W1 3PQ</PostalCode>
            <StateProv StateCode="England"/>
            <CountryName Code="UK"/>
        </AddressInfo>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
        <Email>reservations@travel dreams. co. uk</Email>
    </CompanyInfo>
</Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
    <TransportInfo Time="2014- 01- 12T14: 00: 00" Type="Air" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
    <TransportInfo Time="2014- 01- 17T19: 00: 00" Type="Air" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
        <!--code 24 = Travel Agent PNR-->
        <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
        <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
    </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRS>

```

3.2.6 Book Reservation – Hold Inventory

One optional feature implementers may wish to use is the ability to ensure inventory is properly held while the guest is shopping. As the guest is adding reservations and services to their itinerary (or shopping cart), the Seamless Reservation Requester can create temporary bookings for reservations and services by sending the OTA_HotelResRQ using the ResStatus of "Initiate" and the Seamless Reservation Responder will respond with an OTA_HotelResRS using the ResStatus of "Pending". Once the guest has decided to book, the Seamless Shopping Requester can send a subsequent OTA_HotelResRQ using the ResStatus of "Commit" and the Seamless Shopping Responder will respond using the ResStatus of "Committed" (similar to a Simple Reservation as described above).

Specific to this message:

- ResStatus="Initiate"

3.2.6.1 Sample Request

```

<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResStatus="Initiate" TimeStamp="2013-10-09T18:51:45">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
        </Source>
    </POS>
</OTA_HotelResRQ>

```

```

<!-- code 22 = Electronic reservation service provider -->
<BookingChannel Primary="1" Type="1">
  <!-- code 1 = Global distribution system -->
  <CompanyName Code="UA">Sabre GDS</CompanyName>
</BookingChannel>
</Source>
</POS>
<HotelReservations>
  <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
    <UniqueID Type="14" ID="3741"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
      <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
        <RoomRates>
          <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InventoryCode="XYZGroup">
            <Rates>
              <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
                <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
              </Rate>
              <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
                <Base AmountAfterTax="150.00" CurrencyCode="EUR"/>
              </Rate>
            </Rates>
          </RoomRate>
        </RoomRates>
        <GuestCounts IsPerRoom="1">
          <GuestCount AgeQualifyingCode="10" Count="2"/>
          <!-- code 10 = Adult -->
          <GuestCount AgeQualifyingCode="8" Count="1"/>
          <!-- code 8 = Child -->
        </GuestCounts>
        <TimeSpan End="2014-01-17" Start="2014-01-12"/>
        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
          <GuaranteesAccepted>
            <GuaranteeAccepted>
              <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                <CardHolderName>James Bond</CardHolderName>
                <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
              </PaymentCard>
            </GuaranteeAccepted>
          </GuaranteesAccepted>
          <GuaranteeDescription>
            <Text>Guarantee by cc</Text>
          </GuaranteeDescription>
        </Guarantee>
        <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample -->
        <DepositPayments>
          <GuaranteePayment>
            <AcceptedPayments>
              <AcceptedPayment PaymentTransactionTypeCode="reserve">
                <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                  <CardHolderName>James Bond</CardHolderName>
                  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
                </PaymentCard>
              </AcceptedPayment>
            </AcceptedPayments>
            <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
            <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
          </GuaranteePayment>
        </DepositPayments>
        <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT -->
        <Total AmountAfterTax="600.00" CurrencyCode="EUR">

```

```

    <Taxes Amount="90.00" CurrencyCode="EUR">
      <Tax Percent="17.50" Type="Inclusive" Code="19">
        <!-- code 19 = VAT/GST tax-->
      </Tax>
    </Taxes>
  </Total>
  <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
  <TPA_Extensions/>
  <ResGuestRPHs>
    <ResGuestRPH RPH="1"/>
  </ResGuestRPHs>
  <Memberships>
    <Membership AccountID="12345689" ProgramCode="Miles and More"/>
  </Memberships>
  <Comments>
    <Comment GuestViewable="1">
      <Text>Will be Travelling with Mrs Bardot</Text>
    </Comment>
    <Comment GuestViewable="0">
      <Text>Surprise gift in room</Text>
    </Comment>
  </Comments>
  <SpecialRequests>
    <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
    <SpecialRequest>
      <Text>Pool view requested</Text>
    </SpecialRequest>
  </SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="HotelLoyaltyProgram"/>
        <!-- code 1 = Customer-->
        <Profile ProfileType="1">
          <!-- code 1 = Customer-->
          <Customer>
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>James</GivenName>
              <MiddleName>Arthur</MiddleName>
              <Surname>Bond</Surname>
            </PersonName>
            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-66564100" PhoneTechType="1" PhoneLocationType="7"/>
            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
            <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101" PhoneTechType="3" PhoneLocationType="7"/>
            <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
            <Email EmailType="2">james.bond@mi5.co.uk</Email>
            <!-- code 2 = Business -->
            <Address Type="1">
              <!-- code 1 = Home -->
              <AddressLine>Claretta House</AddressLine>
              <AddressLine>Tower Bridge Close</AddressLine>
              <CityName>London</CityName>
              <PostalCode>EC1 2PG</PostalCode>
              <StateProv StateCode="ENG"/>
              <CountryName Code="UK"/>
            </Address>
            <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
          </Customer>
        </Profile>
      </ProfileInfo>
      <ProfileInfo>
        <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
        <!-- code 4 = Company -->
        <Profile ProfileType="3">
          <!-- code 3 = Corporation-->

```



```

    <CompanyInfo>
      <CompanyName>MI 5</CompanyName>
      <AddressInfo>
        <AddressLine>MOD Bui l di ng</AddressLine>
        <AddressLine>52 Bond Street</AddressLine>
        <CityName>London</CityName>
        <Postal Code>W1 3PQ</Postal Code>
        <StateProv StateCode="England"/>
        <CountryName Code="UK"/>
      </AddressInfo>
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1534" PhoneTechType="1"/>
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535" PhoneTechType="3"/>
      <Email>Mi 5Info@mi 5. co. uk</Email>
    </CompanyInfo>
  </Profile>
</ProfileInfo>
<ProfileInfo>
  <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
  <!-- code 5 = Travel agency -->
  <Profile ProfileType="4">
    <!-- code 4 = Travel Agent -->
    <CompanyInfo>
      <CompanyName>Travel Dreams</CompanyName>
      <AddressInfo>
        <AddressLine>56 Bond Street</AddressLine>
        <CityName>London</CityName>
        <Postal Code>W1 3PQ</Postal Code>
        <StateProv StateCode="England"/>
        <CountryName Code="UK"/>
      </AddressInfo>
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
      <Email>reservations@travel dreams. co. uk</Email>
    </CompanyInfo>
  </Profile>
</ProfileInfo>
</Profiles>
<Arrival Transport>
  <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</Arrival Transport>
<Departure Transport>
  <TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126"/>
</Departure Transport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
    <!-- code 24 = Travel Agent PNR -->
  </HotelReservationIDs>
</ResGlobalInfo>
</Hotel Reservation>
</Hotel Reservations>
</OTA_Hotel ResRQ>

```

3.2.6.2 Sample Response

```

<OTA_Hotel ResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" TimeStamp="2013-10-09T18:52:15" ResResponseType="Pending">
  <Success/>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">

```

```

    <RoomRates>
      <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
        <Rates>
          <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
            <Base AmountAfterTax="100.00" CurrencyCode="EUR" />
          </Rate>
          <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
            <Base AmountAfterTax="150.00" CurrencyCode="EUR" />
          </Rate>
        </Rates>
      </RoomRate>
    </RoomRates>
    <GuestCounts IsPerRoom="1">
      <GuestCount AgeQualifyingCode="10" Count="2" />
      <!-- code 10 = Adult-->
      <GuestCount AgeQualifyingCode="8" Count="1" />
      <!-- code 8 = Child-->
    </GuestCounts>
    <TimeSpan End="2014-01-17" Start="2014-01-12" />
    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
      <GuaranteesAccepted>
        <GuaranteeAccepted>
          <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
            <CardHolderName>James Bond</CardHolderName>
            <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327" />
          </PaymentCard>
        </GuaranteeAccepted>
      </GuaranteesAccepted>
      <GuaranteeDescription>
        <Text>Guarantee by cc</Text>
      </GuaranteeDescription>
    </Guarantee>
    <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
    <DepositPayments>
      <GuaranteePayment>
        <AcceptedPayments>
          <AcceptedPayment PaymentTransactionTypeCode="reserve">
            <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
              <CardHolderName>James Bond</CardHolderName>
              <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327" />
            </PaymentCard>
          </AcceptedPayment>
        </AcceptedPayments>
        <AmountPercent Amount="50.00" CurrencyCode="EUR" />
        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10" />
      </GuaranteePayment>
    </DepositPayments>
    <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
    <Total AmountAfterTax="600.00" CurrencyCode="EUR">
      <Taxes Amount="90.00" CurrencyCode="EUR">
        <Tax Percent="17.50" Type="Inclusive" Code="19">
          <!-- code 19 = VAT/GST tax-->
        </Tax>
      </Taxes>
    </Total>
    <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC" />
    <TPA_Extensions>
      <ResGuestRPHs>
        <ResGuestRPH RPH="1" />
      </ResGuestRPHs>
      <Memberships>
        <Membership AccountID="12345689" ProgramCode="Miles and More" />
      </Memberships>
    </TPA_Extensions>
  </RoomRate>
</RoomRates>

```

```

</Memberships>
<Comments>
  <Comment GuestViewable="1">
    <Text>Will be Travelling with Mrs Bardot</Text>
  </Comment>
  <Comment GuestViewable="0">
    <Text>Surprise gift in room</Text>
  </Comment>
</Comments>
<SpecialRequests>
  <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
  <SpecialRequest>
    <Text>Pool view requested</Text>
  </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
        <!-- code 1 = Customer -->
        <Profile ProfileType="1">
          <!-- code 1 = Customer -->
          <Customer>
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>James</GivenName>
              <MiddleName>Arthur</MiddleName>
              <Surname>Bond</Surname>
            </PersonName>
            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-66564100" PhoneTechType="1" PhoneLocationType="7"/>
            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
            <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101" PhoneTechType="3" PhoneLocationType="7"/>
            <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
            <Email EmailType="2">james.bond@mi5.co.uk</Email>
            <!-- code 2 = Business -->
            <Address Type="1">
              <!-- code 1 = Home -->
              <AddressLine>Claretta House</AddressLine>
              <AddressLine>Tower Bridge Close</AddressLine>
              <CityName>London</CityName>
              <PostalCode>EC1 2PG</PostalCode>
              <StateProv StateCode="ENG"/>
              <CountryName Code="UK"/>
            </Address>
            <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
          </Customer>
        </Profile>
      </ProfileInfo>
      <ProfileInfo>
        <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
        <!-- code 4 = Company -->
        <Profile ProfileType="3">
          <!-- code 3 = Corporation -->
          <CompanyInfo>
            <CompanyName>MI 5</CompanyName>
            <AddressInfo>
              <AddressLine>MOD Building</AddressLine>
              <AddressLine>52 Bond Street</AddressLine>
              <CityName>London</CityName>
              <PostalCode>W1 3PQ</PostalCode>
              <StateProv StateCode="England"/>
              <CountryName Code="UK"/>
            </AddressInfo>
            <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1534" PhoneTechType="1"/>
          </CompanyInfo>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>

```

```

1535" <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
PhoneTechType="3"/>
<Email>Mi5Info@mi5.co.uk</Email>
</CompanyInfo>
</Profile>
</ProfileInfo>
<ProfileInfo>
<UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
<!-- code 5 = Travel agency -->
<Profile ProfileType="4">
<!-- code 4 = Travel Agent -->
<CompanyInfo>
<CompanyName>Travel Dreams</CompanyName>
<AddressInfo>
<AddressLine>56 Bond Street</AddressLine>
<CityName>London</CityName>
<PostalCode>W1 3PQ</PostalCode>
<StateProv StateCode="England"/>
<CountryName Code="UK"/>
</AddressInfo>
<TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
<TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
<Email>reservations@travel dreams.co.uk</Email>
</CompanyInfo>
</Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
<TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
<TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
<HotelReservationIDs>
<HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
<!-- code 24 = Travel Agent PNR -->
<HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
<!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
</HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRS>

```

3.2.7 Modify Reservation

This scenario covers the basic use case in which a system with the ability to book or modify reservations is requesting a reservation change.

Specific to this message:

- ResStatus="Modify"

3.2.7.1 Sample Request

```

<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791900" ResStatus="Modify" TimeStamp="2013-10-09T19:30:30">
<POS>
<Source>
<RequestorID Type="22" ID="TrustCRS"/>

```

```

<!-- code 22 = Electronic reservation service provider -->
<BookingChannel Primary="1" Type="1">
  <!-- code 1 = Global distribution system -->
  <CompanyName Code="UA">Galileo GDS</CompanyName>
</BookingChannel>
</Source>
<Source>
  <BookingChannel Primary="0" Type="2">
    <!-- code 2 = Alternative distribution system -->
    <CompanyName Code="LC">Lodging</CompanyName>
  </BookingChannel>
</Source>
</POS>
<HotelReservations>
  <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="FLAUA"
LastModfierID="AMR" LastModifyDateTime="2013-12-21T19:30:30">
    <UniqueID Type="14" ID="3741"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
      <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
        <RoomRates>
          <RoomRate RoomTypeCode="A2K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
            <Rates>
              <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
                <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
              </Rate>
              <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
                <Base AmountAfterTax="150.00" CurrencyCode="EUR"/>
              </Rate>
            </Rates>
          </RoomRate>
        </RoomRates>
        <GuestCounts IsPerRoom="1">
          <GuestCount AgeQualifyingCode="10" Count="2"/>
          <!-- code 10 = Adult -->
          <GuestCount AgeQualifyingCode="8" Count="1"/>
          <!-- code 8 = Child -->
        </GuestCounts>
        <TimeSpan End="2014-01-17" Start="2014-01-12"/>
        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
          <GuaranteesAccepted>
            <GuaranteeAccepted>
              <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                <CardHolderName>James Bond</CardHolderName>
                <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
              </PaymentCard>
            </GuaranteeAccepted>
          </GuaranteesAccepted>
          <GuaranteeDescription>
            <Text>Guarantee by cc</Text>
          </GuaranteeDescription>
        </Guarantee>
        <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample -->
        <DepositPayments>
          <GuaranteePayment>
            <AcceptedPayments>
              <AcceptedPayment PaymentTransactionTypeCode="reserve">
                <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                  <CardHolderName>James Bond</CardHolderName>
                  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
                </PaymentCard>
              </AcceptedPayment>
            </AcceptedPayments>
          </GuaranteePayment>
        </DepositPayments>
      </RoomStay>
    </RoomStays>
  </HotelReservation>
</HotelReservations>

```

```

        <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
    </GuaranteePayment>
</DepositPayments>
<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
<Total AmountAfterTax="600.00" CurrencyCode="EUR">
    <Taxes Amount="90.00" CurrencyCode="EUR">
        <Tax Percent="17.50" Type="Inclusive" Code="19">
            <!-- code 19 = VAT/GST tax-->
        </Tax>
    </Taxes>
</Total>
<BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
<TPA_Extensions/>
<ResGuestRPHs>
    <ResGuestRPH RPH="1"/>
</ResGuestRPHs>
<Memberships>
    <Membership AccountID="12345689" ProgramCode="Miles and More"/>
</Memberships>
<Comments>
    <Comment GuestViewable="1">
        <Text>Will be Travelling with Mrs Bardot</Text>
    </Comment>
    <Comment GuestViewable="0">
        <Text>Surprise gift in room</Text>
    </Comment>
</Comments>
<SpecialRequests>
    <SpecialRequest RequestCode="NS" CodeContext="RoomFeature"/>
    <SpecialRequest>
        <Text>Pool view requested</Text>
    </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest ResGuestRPH="1">
        <Profiles>
            <ProfileInfo>
                <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
                <!-- code 1 = Customer-->
                <Profile ProfileType="1">
                    <!-- code 1 = Customer -->
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr</NamePrefix>
                            <GivenName>James</GivenName>
                            <MiddleName>Arthur</MiddleName>
                            <Surname>Bond</Surname>
                        </PersonName>
                        <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
                        <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
                        <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
                        <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
                        <Email EmailType="2">james.bond@mi5.co.uk</Email>
                        <!-- code 2 = Business -->
                        <Address Type="1">
                            <!-- code 1 = Home -->
                            <AddressLine>Claretta House</AddressLine>
                            <AddressLine>Tower Bridge Close</AddressLine>
                            <CityName>London</CityName>
                            <PostalCode>EC1 2PG</PostalCode>
                            <StateProv StateCode="ENG"/>
                            <CountryName Code="UK"/>
                        </Address>
                        <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
                    </Customer>

```

```

    </Profile>
  </ProfileInfo>
<ProfileInfo>
  <UniqueID Type="4" ID="53219876" ID_Context="DUNS" />
  <!-- code 4 = Company -->
  <Profile ProfileType="3">
    <!-- code 3 = Corporation -->
    <CompanyInfo>
      <CompanyName>MI 5</CompanyName>
      <AddressInfo>
        <AddressLine>MOD Building</AddressLine>
        <AddressLine>52 Bond Street</AddressLine>
        <CityName>London</CityName>
        <PostalCode>W1 3PQ</PostalCode>
        <StateProv StateCode="England" />
        <CountryName Code="UK" />
      </AddressInfo>
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1534" PhoneTechType="1" />
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535" PhoneTechType="3" />
      <Email>Mi5Info@mi5.co.uk</Email>
    </CompanyInfo>
    <TPA_Extensions>
      <Key1>53219876</Key1>
      <Key2>110</Key2>
    </TPA_Extensions>
  </Profile>
</ProfileInfo>
<ProfileInfo>
  <UniqueID Type="5" ID="123456789" ID_Context="IATA" />
  <!-- code 5 = Travel agency -->
  <Profile ProfileType="4">
    <!-- code 4 = Travel Agent -->
    <CompanyInfo>
      <CompanyName>Travel Dreams</CompanyName>
      <AddressInfo>
        <AddressLine>56 Bond Street</AddressLine>
        <CityName>London</CityName>
        <PostalCode>W1 3PQ</PostalCode>
        <StateProv StateCode="England" />
        <CountryName Code="UK" />
      </AddressInfo>
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1" />
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3" />
      <Email>reservations@traveldreams.co.uk</Email>
    </CompanyInfo>
  </Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
  <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125" />
</ArrivalTransport>
<DepartureTransport>
  <TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126" />
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="24" ResID_Value="MPW96E" />
    <!-- code 24 = Travel Agent PNR -->
    <HotelReservationID ResID_Type="10" ResID_Value="914562" />
    <!-- code 10 = PMS confirmation nr -->
  </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

3.2.7.2 Sample Response

```
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="879791900"
TimeStamp="2013-10-09T19:31:02-05:00" Version="1.003" ResResponseType="Modified">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
          <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRS>
```

3.2.8 Cancel Reservation

This scenario covers the basic use case in which a system with the ability to book or modify reservations is requesting the cancellation of a reservation.

If the guest removes an item from their itinerary (or shopping cart) or if a predetermined timeout has expired, it is up to the Seamless Shopping Requester to send an OTA_HotelResRQ using the ResStatus of "Cancel" to ensure they are freeing up availability in the Seamless Reservation Responder system.

Specific to this message:

- ResStatus="Cancel"

3.2.8.1 Sample Request

```
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791950" ResStatus="Cancel" TimeStamp="2013-10-09T20:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="TrustCRS" />
      <!-- code 22 = Electronic reservation service provider -->
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="FLAUA"
LastModfierID="AMR" LastModifyDateTime="2013-12-21T20:51:45">
      <UniqueID Type="14" ID="3741"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"
ResID_Source="FDesk System"/>
          <HotelReservationID ResID_Type="15" ResID_Value="CXLMPW96E"
ResID_Source="TrustCRS"/>
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRQ>
```


3.2.8.2 Sample Response

```
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="879791950"
TimeStamp="2013-10-09T20:52:02-05:00" Version="1.003" ResResponseType="Cancelled">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <!-- code 15 = Cancellation -->
          <HotelReservationID ResID_Type="15" ResID_Value="CXLMPW96E"
ResID_Source="TrustCRSx"/>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"
ResID_Source="FDesk System"/>
          <HotelReservationID ResID_Type="15" ResID_Value="123456789CXL"
ResID_Source="FDesk System"/>
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRS>
```

3.2.9 Rate Plan Reservation with Add-On Service

This scenario occurs when there is a desire to book an add-on service alongside a reservation.

Specific to this message:

- Services collection must be present

3.2.9.1 Sample Request

```
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResStatus="Commit" TimeStamp="2013-10-09T18:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">
        <!-- code 1 = Global distribution system -->
        <CompanyName Code="UA">Sabre GDS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
          <RoomRates>
            <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
                  <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
                </Rate>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
                  <Base AmountAfterTax="150.00" CurrencyCode="EUR"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
        </RoomStay>
      </RoomStays>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRQ>
```

```

    <GuestCounts IsPerRoom="1">
      <GuestCount AgeQualifyingCode="10" Count="2"/>
      <!-- code 10 = Adult-->
      <GuestCount AgeQualifyingCode="8" Count="1"/>
      <!-- code 8 = Child-->
    </GuestCounts>
    <TimeSpan End="2014-01-17" Start="2014-01-12"/>
    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
      <GuaranteesAccepted>
        <GuaranteeAccepted>
          <PaymentCard SecureInd="true" CardCode="VS" ExpiryDate="0615"
SeriesCode="123">
            <CardHolderName>James Bond</CardHolderName>
            <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
          </PaymentCard>
          </GuaranteeAccepted>
        </GuaranteesAccepted>
        <GuaranteeDescription>
          <Text>Guarantee by cc</Text>
        </GuaranteeDescription>
      </Guarantee>
      <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
      <DepositPayments>
        <GuaranteePayment>
          <AcceptedPayments>
            <AcceptedPayment PaymentTransactionTypeCode="reserve">
              <PaymentCard SecureInd="true" CardCode="VS" ExpiryDate="0615"
SeriesCode="123">
                <CardHolderName>James Bond</CardHolderName>
                <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
              </PaymentCard>
              </AcceptedPayment>
            </AcceptedPayments>
            <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
            <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
          </GuaranteePayment>
        </DepositPayments>
      <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
      <Total AmountAfterTax="600.00" CurrencyCode="EUR">
        <Taxes Amount="90.00" CurrencyCode="EUR">
          <Tax Percent="17.50" Type="Inclusive" Code="19">
            <!-- code 19 = VAT/GST tax-->
          </Tax>
        </Taxes>
      </Total>
      <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
      <TPA_Extensions/>
      <ResGuestRPHs>
        <ResGuestRPH RPH="1"/>
      </ResGuestRPHs>
      <Memberships>
        <Membership AccountID="12345689" ProgramCode="Miles and More"/>
      </Memberships>
      <Comments>
        <Comment GuestViewable="1">
          <Text>Will be Travelling with Mrs Bardot</Text>
        </Comment>
        <Comment GuestViewable="0">
          <Text>Surprise gift in room</Text>
        </Comment>
      </Comments>
      <SpecialRequests>
        <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
        <SpecialRequest>
          <Text>Pool view requested</Text>
        </SpecialRequest>
      </SpecialRequests>

```

```

</RoomStay>
</RoomStays>
<Services>
  <Service ID="GOLF" Type="18" ServicePricingType="Per use"
ServiceInventoryCode="GOLF" Quantity="1">
    <Price>
      <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
    </Price>
    <ServiceDetails>
      <GuestCounts IsPerRoom="false">
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
      <TimeSpan End="2014-08-13" Start="2014-08-13"/>
    </ServiceDetails>
  </Service>
</Services>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="Hotel Loyalty Program"/>
        <!-- code 1 = Customer -->
        <Profile ProfileType="1">
          <!-- code 1 = Customer -->
          <Customer>
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>James</GivenName>
              <MiddleName>Arthur</MiddleName>
              <Surname>Bond</Surname>
            </PersonName>
            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
            <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
            <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
            <Email EmailType="2">james.bond@mi5.co.uk</Email>
            <!-- code 2 = Business -->
            <Address Type="1">
              <!-- code 1 = Home -->
              <AddressLine>Claretta House</AddressLine>
              <AddressLine>Tower Bridge Close</AddressLine>
              <CityName>London</CityName>
              <PostalCode>EC1 2PG</PostalCode>
              <StateProv StateCode="ENG"/>
              <CountryName Code="UK"/>
            </Address>
            <CustLoyalty ProgramID="Frequent Guest" MembershipID="12345"/>
          </Customer>
        </Profile>
      </ProfileInfo>
      <ProfileInfo>
        <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
        <!-- code 4 = Company -->
        <Profile ProfileType="3">
          <!-- code 3 = Corporation -->
          <CompanyInfo>
            <CompanyName>MI 5</CompanyName>
            <AddressInfo>
              <AddressLine>MOD Building</AddressLine>
              <AddressLine>52 Bond Street</AddressLine>
              <CityName>London</CityName>
              <PostalCode>W1 3PQ</PostalCode>
              <StateProv StateCode="England"/>
              <CountryName Code="UK"/>
            </AddressInfo>
            <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1534" PhoneTechType="1"/>
            <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1535" PhoneTechType="3"/>

```

```

        <Email>Mi5Info@mi5.co.uk</Email>
      </CompanyInfo>
    </Profile>
  </ProfileInfo>
<ProfileInfo>
  <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
  <!-- code 5 = Travel agency -->
  <Profile ProfileType="4">
    <!-- code 4 = Travel Agent -->
    <CompanyInfo>
      <CompanyName>Travel Dreams</CompanyName>
      <AddressInfo>
        <AddressLine>56 Bond Street</AddressLine>
        <CityName>London</CityName>
        <PostalCode>W1 3PQ</PostalCode>
        <StateProv StateCode="England"/>
        <CountryName Code="UK"/>
      </AddressInfo>
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
      <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
      <Email>reservations@travel dreams.co.uk</Email>
    </CompanyInfo>
  </Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
  <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
  <TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
    <!-- code 24 = Travel Agent PNR -->
  </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

3.2.9.2 Sample Response

```

<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResResponseType="Modified" TimeStamp="2013-10-09T18:51:45">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
          <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRS>

```

3.2.10 Package Reservation

The Package Reservation scenario occurs when there is a desire to book a predefined package rate plan type.

Specific to this message:

- RatePlanType="11"

3.2.10.1 Sample Request

```
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResStatus="Committ" TimeStamp="2013-10-09T18:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">
        <!-- code 1 = Global distribution system -->
        <CompanyName Code="UA">Sabre GDS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
          <RoomRates>
            <RoomRate RoomTypeCode="PKG1" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup" RatePlanType="11">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="FullDuration"
EffectiveDate="2014-01-12" ExpireDate="2014-01-17">
                  <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="2"/>
            <!-- code 10 = Adult -->
            <GuestCount AgeQualifyingCode="8" Count="1"/>
            <!-- code 8 = Child -->
          </GuestCounts>
          <TimeSpan End="2014-01-17" Start="2014-01-12"/>
          <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
            <GuaranteesAccepted>
              <GuaranteeAccepted>
                <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                  <CardHolderName>James Bond</CardHolderName>
                  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
                </PaymentCard>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
            <GuaranteeDescription>
              <Text>Guarantee by cc</Text>
            </GuaranteeDescription>
          </Guarantee>
          <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample -->
          <DepositPayments>
            <GuaranteePayment>
              <AcceptedPayments>
                <AcceptedPayment PaymentTransactionTypeCode="reserve">

```

```

SeriesCode="123">
  <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
  <CardHolderName>James Bond</CardHolderName>
  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
</PaymentCard>
</AcceptedPayment>
</AcceptedPayments>
<AmountPercent Amount="50.00" CurrencyCode="EUR"/>
<Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
</GuaranteePayment>
</DepositPayments>
<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
<Total AmountAfterTax="600.00" CurrencyCode="EUR">
  <Taxes Amount="90.00" CurrencyCode="EUR">
    <Tax Percent="17.50" Type="Inclusive" Code="19">
      <!-- code 19 = VAT/GST tax-->
    </Tax>
  </Taxes>
</Total>
<BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
<TPA_Extensions/>
<ResGuestRPHs>
  <ResGuestRPH RPH="1"/>
</ResGuestRPHs>
<Memberships>
  <Membership AccountID="12345689" ProgramCode="Miles and More"/>
</Memberships>
<Comments>
  <Comment GuestViewable="1">
    <Text>Will be Travelling with Mrs Bardot</Text>
  </Comment>
  <Comment GuestViewable="0">
    <Text>Surprise gift in room</Text>
  </Comment>
</Comments>
<SpecialRequests>
  <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
  <SpecialRequest>
    <Text>Pool view requested</Text>
  </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
        <!-- code 1 = Customer-->
        <Profile ProfileType="1">
          <!-- code 1 = Customer-->
          <Customer>
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>James</GivenName>
              <MiddleName>Arthur</MiddleName>
              <Surname>Bond</Surname>
            </PersonName>
            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
            <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
            <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
            <Email EmailType="2">james.bond@mi5.co.uk</Email>
            <!-- code 2 = Business -->
            <Address Type="1">
              <!-- code 1 = Home -->
              <AddressLine>Claretta House</AddressLine>

```

```

        <AddressLine>Tower Bridge Close</AddressLine>
        <CityName>London</CityName>
        <PostalCode>EC1 2PG</PostalCode>
        <StateProv StateCode="ENG"/>
        <CountryName Code="UK"/>
    </Address>
    <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
</Customer>
</Profile>
</ProfileInfo>
<ProfileInfo>
    <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
    <!-- code 4 = Company -->
    <Profile ProfileType="3">
        <!-- code 3 = Corporation -->
        <CompanyInfo>
            <CompanyName>MI 5</CompanyName>
            <AddressInfo>
                <AddressLine>MOD Building</AddressLine>
                <AddressLine>52 Bond Street</AddressLine>
                <CityName>London</CityName>
                <PostalCode>W1 3PQ</PostalCode>
                <StateProv StateCode="England"/>
                <CountryName Code="UK"/>
            </AddressInfo>
            <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1534" PhoneTechType="1"/>
            <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535" PhoneTechType="3"/>
            <Email>MI5Info@mi5.co.uk</Email>
        </CompanyInfo>
    </Profile>
</ProfileInfo>
<ProfileInfo>
    <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
    <!-- code 5 = Travel agency -->
    <Profile ProfileType="4">
        <!-- code 4 = Travel Agent -->
        <CompanyInfo>
            <CompanyName>Travel Dreams</CompanyName>
            <AddressInfo>
                <AddressLine>56 Bond Street</AddressLine>
                <CityName>London</CityName>
                <PostalCode>W1 3PQ</PostalCode>
                <StateProv StateCode="England"/>
                <CountryName Code="UK"/>
            </AddressInfo>
            <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
            <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
            <Email>reservations@traveldreams.co.uk</Email>
        </CompanyInfo>
    </Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
    <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
    <TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationsIDs>
        <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
        <!-- code 24 = Travel Agent PNR -->
    </HotelReservationsIDs>
</ResGlobalInfo>
</HotelReservations>

```

```
</HotelReservations>  
</OTA_HotelResRQ>
```

3.2.10.2 Sample Response

```
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"  
EchoToken="879791878" ResResponseType="Modified" Timestamp="2013-10-09T18:51:45">  
  <Success/>  
  <HotelReservations>  
    <HotelReservation>  
      <UniqueID Type="14" ID="3741"/>  
      <ResGlobalInfo>  
        <HotelReservationIDs>  
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>  
          <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->  
        </HotelReservationIDs>  
      </ResGlobalInfo>  
    </HotelReservation>  
  </HotelReservations>  
</OTA_HotelResRS>
```

3.2.11 Package Reservation with Add-On Service

Not all packages suit all needs and this scenario allows additional services to be added to an existing package. The Package Reservation with Add-On Service scenario occurs when there is a desire to book an add-on service alongside a package reservation.

Specific to this message:

- Services collection must be present
- RatePlanType="11"

3.2.11.1 Sample Request

```
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"  
EchoToken="879791878" ResStatus="Commit" Timestamp="2013-10-09T18:51:45">  
  <POS>  
    <Source>  
      <RequestorID Type="22" ID="SynXis"/>  
      <!-- code 22 = Electronic reservation service provider -->  
      <BookingChannel Primary="1" Type="1">  
        <!-- code 1 = Global distribution system -->  
        <CompanyName Code="UA">Sabre GDS</CompanyName>  
      </BookingChannel>  
    </Source>  
  </POS>  
  <HotelReservations>  
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">  
      <UniqueID Type="14" ID="3741"/>  
      <!-- code 14 = Reservation -->  
      <RoomStays>  
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">  
          <RoomRates>  
            <RoomRate RoomTypeCode="PKG1" RatePlanCode="SR" NumberOfUnits="1"  
RatePlanCategory="S" InvBlockCode="XYZGroup" RatePlanType="11">  
              <Rates>  
                <Rate UnitMultiplier="1" RateTimeUnit="FullDuration"  
EffectiveDate="2014-01-12" ExpireDate="2014-01-17">  
                  <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>  
                </Rate>  
              </Rates>  
            </RoomRate>  
          </RoomRates>  
          <GuestCounts IsPerRoom="1">
```



```

    <GuestCount AgeQualifyingCode="10" Count="2"/>
    <!-- code 10 = Adult-->
    <GuestCount AgeQualifyingCode="8" Count="1"/>
    <!-- code 8 = Child-->
  </GuestCounts>
  <TimeSpan End="2014-01-17" Start="2014-01-12"/>
  <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
    <GuaranteesAccepted>
      <GuaranteeAccepted>
        <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
          <CardHolderName>James Bond</CardHolderName>
          <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
        </PaymentCard>
      </GuaranteeAccepted>
    </GuaranteesAccepted>
    <GuaranteeDescription>
      <Text>Guarantee by cc</Text>
    </GuaranteeDescription>
  </Guarantee>
  <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
  <DepositPayments>
    <GuaranteePayment>
      <AcceptedPayments>
        <AcceptedPayment PaymentTransactionTypeCode="reserve">
          <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
            <CardHolderName>James Bond</CardHolderName>
            <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
          </PaymentCard>
        </AcceptedPayment>
      </AcceptedPayments>
      <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
      <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
    </GuaranteePayment>
  </DepositPayments>
  <!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
  <Total AmountAfterTax="600.00" CurrencyCode="EUR">
    <Taxes Amount="90.00" CurrencyCode="EUR">
      <Tax Percent="17.50" Type="Inclusive" Code="19">
        <!-- code 19 = VAT/GST tax-->
      </Tax>
    </Taxes>
  </Total>
  <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
  <TPA_Extensions/>
  <ResGuestRPHs>
    <ResGuestRPH RPH="1"/>
  </ResGuestRPHs>
  <Memberships>
    <Membership AccountID="12345689" ProgramCode="Miles and More"/>
  </Memberships>
  <Comments>
    <Comment GuestViewable="1">
      <Text>Will be Travelling with Mrs Bardot</Text>
    </Comment>
    <Comment GuestViewable="0">
      <Text>Surprise gift in room</Text>
    </Comment>
  </Comments>
  <SpecialRequests>
    <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
    <SpecialRequest>
      <Text>Pool view requested</Text>
    </SpecialRequest>
  </SpecialRequests>
</RoomStay>

```

```

    </RoomStays>
    <Services>
      <Service ID="GOLF" Type="18" ServicePricingType="Per use"
ServiceInventoryCode="GOLF" Quantity="1">
        <Price>
          <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
        </Price>
        <ServiceDetails>
          <GuestCounts IsPerRoom="false">
            <GuestCount AgeQualifyingCode="10" Count="2"/>
          </GuestCounts>
          <TimeSpan End="2014-08-13" Start="2014-08-13"/>
        </ServiceDetails>
      </Service>
    </Services>
    <ResGuests>
      <ResGuest ResGuestRPH="1">
        <Profiles>
          <ProfileInfo>
            <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
            <!-- code 1 = Customer -->
            <Profile ProfileType="1">
              <!-- code 1 = Customer -->
              <Customer>
                <PersonName>
                  <NamePrefix>Mr</NamePrefix>
                  <GivenName>James</GivenName>
                  <MiddleName>Arthur</MiddleName>
                  <Surname>Bond</Surname>
                </PersonName>
                <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
                <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
                <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
                <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
                <Email EmailType="2">james.bond@mi5.co.uk</Email>
                <!-- code 2 = Business -->
                <Address Type="1">
                  <!-- code 1 = Home -->
                  <AddressLine>Claretta House</AddressLine>
                  <AddressLine>Tower Bridge Close</AddressLine>
                  <CityName>London</CityName>
                  <PostalCode>EC1 2PG</PostalCode>
                  <StateProv StateCode="ENG"/>
                  <CountryName Code="UK"/>
                </Address>
                <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
              </Customer>
            </Profile>
          </ProfileInfo>
          <ProfileInfo>
            <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
            <!-- code 4 = Company -->
            <Profile ProfileType="3">
              <!-- code 3 = Corporation -->
              <CompanyInfo>
                <CompanyName>MI 5</CompanyName>
                <AddressInfo>
                  <AddressLine>MOD Building</AddressLine>
                  <AddressLine>52 Bond Street</AddressLine>
                  <CityName>London</CityName>
                  <PostalCode>W1 3PQ</PostalCode>
                  <StateProv StateCode="England"/>
                  <CountryName Code="UK"/>
                </AddressInfo>
                <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1534" PhoneTechType="1"/>
                <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1535" PhoneTechType="3"/>
                <Email>Mi 5Info@mi5.co.uk</Email>
              </CompanyInfo>
            </Profile>
          </ProfileInfo>
        </Profiles>
      </ResGuest>
    </ResGuests>
  </ResGuests>

```

```

        </CompanyInfo>
    </Profile>
</ProfileInfo>
<ProfileInfo>
    <UniqueID Type="5" ID="123456789" ID_Context="IATA" />
    <!-- code 5 = Travel agency -->
    <Profile ProfileType="4">
        <!-- code 4 = Travel Agent -->
        <CompanyInfo>
            <CompanyName>Travel Dreams</CompanyName>
            <AddressInfo>
                <AddressLine>56 Bond Street</AddressLine>
                <CityName>London</CityName>
                <PostalCode>W1 3PQ</PostalCode>
                <StateProv StateCode="England" />
                <CountryName Code="UK" />
            </AddressInfo>
            <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1" />
            <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3" />
            <Email>reservations@travel dreams. co. uk</Email>
        </CompanyInfo>
    </Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
    <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125" />
</ArrivalTransport>
<DepartureTransport>
    <TransportInfo Time="2014-01-17T19:00:00" Type="Air" ID="BA126" />
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="24" ResID_Value="MPW96E" />
        <!-- code 24 = Travel Agent PNR -->
    </HotelReservationIDs>
    </ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

3.2.11.2 Sample Response

```

<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResResponseType="Modified" TimeStamp="2013-10-09T18:51:45">
    <Success/>
    <HotelReservations>
        <HotelReservation>
            <UniqueID Type="14" ID="3741" />
            <ResGlobalInfo>
                <HotelReservationIDs>
                    <HotelReservationID ResID_Type="10" ResID_Value="82329987" />
                    <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
                </HotelReservationIDs>
            </ResGlobalInfo>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResRS>

```

3.2.12 Remove /Cancel Add-on Service from Existing Reservation

This scenario covers the basic use case in which a system with the ability to book or modify reservations is requesting the removal of a previously-booked service. Note the use of ReservationStatusType attribute on Service element. A value of "Cancelled" instructs the receiving system to remove the previously booked service.

Specific to this message:

- ResStatus="Modify"
- ReservationStatusType="Cancelled" within Services collection for the service(s) that should be cancelled

3.2.12.1 Sample Request

```
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResStatus="Modify" TimeStamp="2013-10-09T18:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">
        <!-- code 1 = Global distribution system -->
        <CompanyName Code="UA">Sabre GDS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
          <RoomRates>
            <RoomRate RoomTypeCode="PKG1" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InventoryCode="XYZGroup" RatePlanType="11">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="FullDuration"
EffectiveDate="2014-01-12" ExpireDate="2014-01-17">
                  <BaseAmountAfterTax="100.00" CurrencyCode="EUR"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="2"/>
            <!-- code 10 = Adult -->
            <GuestCount AgeQualifyingCode="8" Count="1"/>
            <!-- code 8 = Child -->
          </GuestCounts>
          <TimeSpan End="2014-01-17" Start="2014-01-12"/>
          <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
            <GuaranteesAccepted>
              <GuaranteeAccepted>
                <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                  <CardHolderName>James Bond</CardHolderName>
                  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXX4327"/>
                </PaymentCard>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
            <GuaranteeDescription>
              <Text>Guarantee by cc</Text>
            </GuaranteeDescription>
          </Guarantee>
        </GuaranteeAccepted>
      </Guarantee>
    </HotelReservation>
  </RoomStays>
</HotelReservations>
```

```

<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
<DepositPayments>
  <GuaranteePayment>
    <AcceptedPayments>
      <AcceptedPayment PaymentTransactionTypeCode="reserve">
        <PaymentCard SecureInd="true" CardCode="VS" ExpiryDate="0615"
SeriesCode="123">
          <CardHolderName>James Bond</CardHolderName>
          <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
        </PaymentCard>
      </AcceptedPayment>
    </AcceptedPayments>
    <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
    <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
  </GuaranteePayment>
</DepositPayments>
<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
<Total AmountAfterTax="600.00" CurrencyCode="EUR">
  <Taxes Amount="90.00" CurrencyCode="EUR">
    <Tax Percent="17.50" Type="Inclusive" Code="19">
      <!-- code 19 = VAT/GST tax-->
    </Tax>
  </Taxes>
</Total>
<BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
<TPA_Extensions/>
<ResGuestRPHs>
  <ResGuestRPH RPH="1"/>
</ResGuestRPHs>
<Memberships>
  <Membership AccountID="12345689" ProgramCode="Miles and More"/>
</Memberships>
<Comments>
  <Comment GuestViewable="1">
    <Text>Will be Travelling with Mrs Bardot</Text>
  </Comment>
  <Comment GuestViewable="0">
    <Text>Surprise gift in room</Text>
  </Comment>
</Comments>
<SpecialRequests>
  <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
  <SpecialRequest>
    <Text>Pool view requested</Text>
  </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<Services>
  <Service ServicePricingType="Per use" ServiceInventoryCode="GOLF" Quantity="1"
ReservationStatusType="Cancelled">
    <Price>
      <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
    </Price>
    <ServiceDetails>
      <GuestCounts IsPerRoom="false">
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
      <TimeSpan End="2014-08-13" Start="2014-08-13"/>
    </ServiceDetails>
  </Service>
</Services>
<ResGuests>
  <ResGuest ResGuestRPH="1">
    <Profiles>
      <ProfileInfo>
        <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
        <!-- code 1 = Customer-->

```

```

    <Profile ProfileType="1">
      <!--code 1 = Customer-->
      <Customer>
        <PersonName>
          <NamePrefix>Mr</NamePrefix>
          <GivenName>James</GivenName>
          <MiddleName>Arthur</MiddleName>
          <Surname>Bond</Surname>
        </PersonName>
        <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
        <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
        <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
        <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
        <Email EmailType="2">james.bond@mi5.co.uk</Email>
        <!--code 2 = Business -->
        <Address Type="1">
          <!--code 1 = Home -->
          <AddressLine>Claretta House</AddressLine>
          <AddressLine>Tower Bridge Close</AddressLine>
          <CityName>London</CityName>
          <Postal Code>EC1 2PG</Postal Code>
          <StateProv StateCode="ENG"/>
          <CountryName Code="UK"/>
        </Address>
        <CustLoyalty ProgramID="FrequentGuest" MembershiPID="12345"/>
      </Customer>
    </Profile>
  </ProfileInfo>
  <ProfileInfo>
    <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
    <!--code 4 = Company -->
    <Profile ProfileType="3">
      <!--code 3 = Corporation-->
      <CompanyInfo>
        <CompanyName>MI 5</CompanyName>
        <AddressInfo>
          <AddressLine>MOD Building</AddressLine>
          <AddressLine>52 Bond Street</AddressLine>
          <CityName>London</CityName>
          <Postal Code>W1 3PQ</Postal Code>
          <StateProv StateCode="England"/>
          <CountryName Code="UK"/>
        </AddressInfo>
        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1534" PhoneTechType="1"/>
        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1535" PhoneTechType="3"/>
        <Email>MI5Info@mi5.co.uk</Email>
      </CompanyInfo>
    </Profile>
  </ProfileInfo>
  <ProfileInfo>
    <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
    <!--code 5 = Travel agency-->
    <Profile ProfileType="4">
      <!--code 4 = Travel Agent-->
      <CompanyInfo>
        <CompanyName>Travel Dreams</CompanyName>
        <AddressInfo>
          <AddressLine>56 Bond Street</AddressLine>
          <CityName>London</CityName>
          <Postal Code>W1 3PQ</Postal Code>
          <StateProv StateCode="England"/>
          <CountryName Code="UK"/>
        </AddressInfo>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>

```

```

        <Email>reservations@travel dreams. co. uk</Email>
      </CompanyInfo>
    </Profile>
  </ProfileInfo>
</Profiles>
<ArrivalTransport>
  <TransportInfo Time="2014- 01- 12T14: 00: 00" Type="Ai r" ID="BA125"/>
</ArrivalTransport>
<DepartureTransport>
  <TransportInfo Time="2014- 01- 17T19: 00: 00" Type="Ai r" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
    <!-- code 24 = Travel Agent PNR-->
  </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

3.2.12.2 Sample Response

```

<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1.003"
EchoToken="879791878" ResResponseType="Modified" TimeStamp="2013- 10- 09T18: 51: 45">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
          <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRS>

```

3.3 Lookup Reservation

3.3.1 Overview

The Lookup Reservation scenario occurs when one system queries another system for a particular reservation by passing the confirmation number and verification information.

3.3.2 Roles

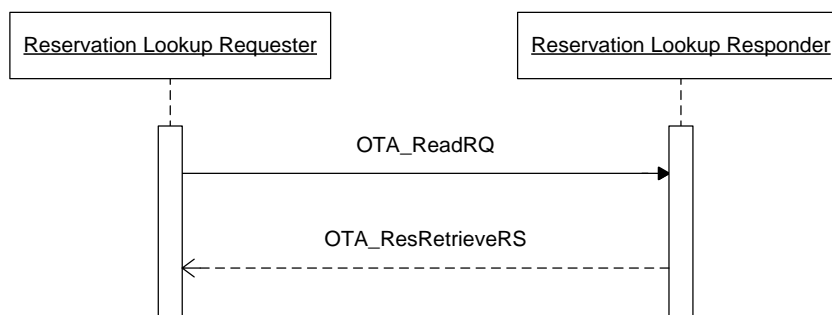
Role Name	Definition	Example
Reservation Lookup Requester	A system that has the need to request a specific reservation.	<ul style="list-style-type: none"> Website Central Reservation System Property Management System Channel Management System Online Travel Agent

Reservation Lookup Responder	A system that maintains reservation information and responds to queries for reservation information.	<ul style="list-style-type: none">• Central Reservation System• Property Management System• Channel Management System
------------------------------	--	---

3.3.3 Use Case

Assumption:	Reservation Lookup Requester and Reservation Lookup Responder have agreed which attributes will be transmitted and accepted.
Pre-condition:	None
Trigger:	The Reservation Lookup Requester, through event or manual action, has determined that it must obtain a particular reservation from the Reservation Lookup Responder.
Basic Course of Events:	<ol style="list-style-type: none">1. Reservation Lookup Requester constructs OTA_ReadRQ with the appropriate query parameters.2. Reservation Lookup Requester successfully transmits message payload.3. Reservation Lookup Responder receives the message payload.4. Reservation Lookup Responder processes OTA_ReadRQ.5. Reservation Lookup Responder returns the reservation information appropriate to the query parameters, using OTA_ResRetrieveRS.
Post-condition:	Reservation Lookup Requester may update their database to log what was last successfully processed.
Exception Path:	None
Alternative Path:	None

3.3.4 Message Flows



3.3.5 Sample Scenario

3.3.5.1 Sample Request

```
<OTA_ReadRQ EchoToken="6cfa1ea3-df0f-497f-9aaf-e927fc11affc" TimeStamp="2010-02-12T12:26:47" Version="1.0" xmlns="http://www.opentravel.org/OTA/2003/05">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis" />
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="1">
        <!-- code 1 = Global distribution system -->
        <CompanyName Code="UA">Sabre GDS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <ReadRequests>
    <ReadRequest>
      <UniqueID Type="14" ID="3741" />
      <Verification>
        <PersonName PartialName="false">
          <GivenName>James</GivenName>
          <Surname>Bond</Surname>
        </PersonName>
      </Verification>
    </ReadRequest>
  </ReadRequests>
</OTA_ReadRQ>
```

3.3.5.2 Sample Response

```
<OTA_ResRetrieveRS EchoToken="6cfa1ea3-df0f-497f-9aaf-e927fc11affc" TimeStamp="2010-02-12T12:26:47" Version="1.0" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <ReservationsList>
    <HotelReservation CreateDateTime="2013-10-09T08:51:45" CreatorID="YX">
      <UniqueID Type="14" ID="3741" />
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL14">
          <RoomRates>
            <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S" InvBlockCode="XYZGroup">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-12"
ExpireDate="2014-01-15">
                  <Base AmountAfterTax="100.00" CurrencyCode="EUR" />
                </Rate>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2014-01-15"
ExpireDate="2014-01-17">
                  <Base AmountAfterTax="150.00" CurrencyCode="EUR" />
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="2" />
            <!-- code 10 = Adult -->
            <GuestCount AgeQualifyingCode="8" Count="1" />
            <!-- code 8 = Child -->
          </GuestCounts>
          <TimeSpan End="2014-01-17" Start="2014-01-12" />
          <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
            <GuaranteesAccepted>
              <GuaranteeAccepted>
                <PaymentCard SecureInd="true" CardCode="VS" ExpireDate="0615"
SeriesCode="123">
                  <CardHolderName>James Bond</CardHolderName>
                  <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327" />
                </PaymentCard>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
          </Guarantee>
        </RoomStay>
      </RoomStays>
    </HotelReservation>
  </ReservationsList>
</OTA_ResRetrieveRS>
```

```

        </GuaranteeAccepted>
    </GuaranteesAccepted>
    <GuaranteeDescription>
        <Text>Guarantee by cc</Text>
    </GuaranteeDescription>
</Guarantee>
<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT , here we
have both just as a sample-->
    <DepositPayments>
        <GuaranteePayment>
            <AcceptedPayments>
                <AcceptedPayment PaymentTransactionTypeCode="reserve">
                    <PaymentCard SecureInd="true" CardCode="VS" ExpiryDate="0615"
SeriesCode="123">
                        <CardHolderName>James Bond</CardHolderName>
                        <CardNumber Token="4321432143214327" TokenProvider="SDP8267"
MaskedCardNumber="XXXXXXXXXXXX4327"/>
                    </PaymentCard>
                </AcceptedPayment>
            </AcceptedPayments>
            <AmountPercent Amount="50.00" CurrencyCode="EUR"/>
            <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="10"/>
        </GuaranteePayment>
    </DepositPayments>
<!-- NORMALLY IT WOULD BE EITHER OR BETWEEN GUARANTEE AND DEPOSIT-->
    <Total AmountAfterTax="600.00" CurrencyCode="EUR">
        <Taxes Amount="90.00" CurrencyCode="EUR">
            <Tax Percent="17.50" Type="Inclusive" Code="19">
                <!-- code 19 = VAT/GST tax-->
            </Tax>
        </Taxes>
    </Total>
    <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
    <TPA_Extensions/>
    <ResGuestRPHs>
        <ResGuestRPH RPH="1"/>
    </ResGuestRPHs>
    <Memberships>
        <Membership AccountID="12345689" ProgramCode="Miles and More"/>
    </Memberships>
    <Comments>
        <Comment GuestViewable="1">
            <Text>Will be Travelling with Mrs Bardot</Text>
        </Comment>
        <Comment GuestViewable="0">
            <Text>Surprise gift in room</Text>
        </Comment>
    </Comments>
    <SpecialRequests>
        <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
    </SpecialRequest>
        <Text>Pool view requested</Text>
    </SpecialRequest>
    </SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest ResGuestRPH="1">
        <Profiles>
            <ProfileInfo>
                <UniqueID Type="1" ID="12345" ID_Context="Hotel LoyaltyProgram"/>
                <!-- code 1 = Customer-->
                <Profile ProfileType="1">
                    <!-- code 1 = Customer-->
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr</NamePrefix>
                            <GivenName>James</GivenName>
                            <MiddleName>Arthur</MiddleName>
                            <Surname>Bond</Surname>

```

```

        </PersonName>
        <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-
66564100" PhoneTechType="1" PhoneLocationType="7"/>
        <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
        <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-
66564101" PhoneTechType="3" PhoneLocationType="7"/>
        <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
        <Email EmailType="2">james.bond@mi5.co.uk</Email>
        <!--code 2 = Business -->
        <Address Type="1">
        <!--code 1 = Home -->
        <AddressLine>Claretta House</AddressLine>
        <AddressLine>Tower Bridge Close</AddressLine>
        <CityName>London</CityName>
        <Postal Code>EC1 2PG</Postal Code>
        <StateProv StateCode="ENG"/>
        <CountryName Code="UK"/>
        </Address>
        <CustLoyalty ProgramID="FrequentGuest" MembershiPID="12345"/>
    </Customer>
</Profile>
</ProfileInfo>
<ProfileInfo>
    <UniqueID Type="4" ID="53219876" ID_Context="DUNS"/>
    <!--code 4 = Company -->
    <Profile ProfileType="3">
    <!--code 3 = Corporation-->
    <CompanyInfo>
        <CompanyName>MI 5</CompanyName>
        <AddressInfo>
            <AddressLine>MOD Building</AddressLine>
            <AddressLine>52 Bond Street</AddressLine>
            <CityName>London</CityName>
            <Postal Code>W1 3PQ</Postal Code>
            <StateProv StateCode="England"/>
            <CountryName Code="UK"/>
        </AddressInfo>
        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1534" PhoneTechType="1"/>
        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-
1535" PhoneTechType="3"/>
        <Email>Mi5Info@mi5.co.uk</Email>
    </CompanyInfo>
    </Profile>
</ProfileInfo>
<ProfileInfo>
    <UniqueID Type="5" ID="123456789" ID_Context="IATA"/>
    <!--code 5 = Travel agency-->
    <Profile ProfileType="4">
    <!--code 4 = Travel Agent-->
    <CompanyInfo>
        <CompanyName>Travel Dreams</CompanyName>
        <AddressInfo>
            <AddressLine>56 Bond Street</AddressLine>
            <CityName>London</CityName>
            <Postal Code>W1 3PQ</Postal Code>
            <StateProv StateCode="England"/>
            <CountryName Code="UK"/>
        </AddressInfo>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081522" PhoneTechType="1"/>
        <TelephoneInfo FormattedInd="1" DefaultInd="1"
PhoneNumber="442081523" PhoneTechType="3"/>
        <Email>reservations@travel.dreams.co.uk</Email>
    </CompanyInfo>
    </Profile>
</ProfileInfo>
</Profiles>
<ArrivalTransport>
    <TransportInfo Time="2014-01-12T14:00:00" Type="Air" ID="BA125"/>
</ArrivalTransport>

```

```
<DepartureTransport>
  <TransportInfo Time="2014- 01- 17T19: 00: 00" Type="Ai r" ID="BA126"/>
</DepartureTransport>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
    <!--code 24 = Travel Agent PNR-->
    <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
    <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
  </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</ReservationsList>
</OTA_ResRetrieveRS>
```

4 Messages

4.1 Seamless Shopping - Check Availability

4.1.1 Data Element Table – Check Availability Request

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message.
@PrimaryLangID	1	Identifies the primary language preference for the message (ISO 639). All descriptions (room, rate etc.) should, if possible, be returned in the requested language. Default: English
@AvailRatesOnly	0..1	A Boolean flag that indicates the response should include ONLY those rates that are available in the date range specified, or whether rates that are NOT available should be shown. "True" returns only available rates; "False" returns all rates. If not specified, default value is "True".
OTA_HotelAvailRQ / POS / Source / RequestorID	1	This identifies the system that is making the availability request.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. ID is used for the name or ID of the requestor. For example, type 22 – ERSP (Electronic reservation service provider) and ID – TrustCRS.
@ID	1	The ID used will be agreed upon by the trading partners and will remain the same throughout the messages.
OTA_HotelAvailRQ / POS / Source / BookingChannel	1..2	This element is used to pass the booking source for the reservation. To send secondary booking channel information an additional Source element needs to be sent.
@Primary	1	Primary attribute would be set to "true" if only one booking channel is transferred. Only one source should be marked "true" if multiple sources are sent.

@Type	1	Type is mandatory in OpenTravel Alliance and indicates the type of booking channel. Refers to OpenTravel Alliance code list BCT (Booking Channel Type): 1 Global distribution system (GDS) 2 Alternative distribution system (ADS) 3 Sales and catering system (SCS) 4 Property management system (PMS) 5 Central reservation system (CRS) 6 Tour operator system (TOS) 7 Internet
OTA_HotelAvailRQ / POS / Source / BookingChannel / CompanyName	0	The name of the booking source.
@Code	0..1	Code is OPTIONAL and can be used to transfer the code of the Booking channel if such code is a recognised industry standard – the name however should always be sent as well as the code.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment	1..x	Each segment includes a collection of criteria that requests a bookable entity, which may include designated rate plans and room types. Each segment would be presumed to have a unique date range for each request.
@AvailReqType	1	An enumerated type that indicates whether the availability request is for a room or non-room product, such as amenities or other activities (e.g. banquet, conference room, etc.). Valid values are: "Room", "NonRoom", "Both".
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion	1	Child elements that identify a single search criterion by criteria type.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RefPoint	0..n	Identifies the searchable area for which availability information is desired. Either RefPoint or HotelRef are required.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / CodeRef	0..n	Identifies the searchable area for which availability information is desired. Either RefPoint or HotelRef are required.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / HotelRef	0..n	Identifies the hotel(s) for which availability information is desired. Either RefPoint or HotelRef are required.
@HotelCode	1	Indicates the hotel for which the availability is being requested.

@ChainCode	0..1	Indicates the Chain to which the hotel belongs.
@BrandCode	0..1	Indicates the Brand within the Chain to which the hotel belongs.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / StayDateRange	1	Range of dates for Availability Request.
@Start	1	Arrival Date.
@End	1	Departure Date.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RatePlanCandidates / RatePlanCandidate	1..x	List of requested rates.
@RatePlanCode	0..1	A string value may be used to request a particular code or an ID if the guest qualifies for a specific rate, such as AARP, AAA, a corporate rate, etc., or to specify a negotiated code as a result of a negotiated rate.
@RatePlanID	0..1	A text field used to indicate a special ID code that is associated with the rate and is essential in the reservation request in order to obtain the rate. Examples are Corporate ID.
@PromotionCode	0..1	The identifier used by the host to link directly with a specific named advertising campaign (not the rate code).
@RatePlanType	0..1	An enumerated type that allows the query to specify a rate category type and provides major categories for comparison across brands. Refer to OpenTravel Code List Rate Plan Type (RPT).
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RatePlanCandidates / RatePlanCandidate / Service	0..1	Identifies business services of interest. This is also a container that identifies package components the shopping system desires.
@ServiceInventoryCode	0..1	An identifier used to specify the service/package component.
@Quantity	0..1	The number of services (e.g. tickets, rounds of golf). If not present, this value is assumed to be 1.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates /	0..1	Collection of requested room stays.

OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate	1..x	List of requested room types.
@RoomTypeCode	0..1	Specific system room type code.
@InvBlockCode	0..1	A code or identification number that identifies the room stay as part of a group, package tour or block of rooms designated in the inventory.
@Quantity	1	Defines the number of rooms requested.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate / GuestCounts	1	A collection of GuestCount elements.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode		A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC). HTNG will support the following values from the OpenTravel Alliance AQC code list: 8 – Child 10 – Adult
@Age	0..1	Defines the age of a guest.
OTA_HotelAvailRQ / HotelReservationIDs / HotelReservationID	0..1	The HotelReservationID is used in the case where a guest wishes to modify their reservation. The receiving system will perform a lookup by the ID and take into consideration the existing reservation when determining availability.

@ResID_Type	1	ResID_Type is assigned values from the UIT code list. If HotelReservationID is passed to transfer the PNR, the required value here is: 24 – Travel Agent PNR. If HotelReservationID is passed to transfer the associated reservations, the possible values are: 25 – Associated reservation (travelling with) 26 – Associated itinerary reservation 27 – Associated shared reservation
@ResID_Value	1	If HotelReservationID is passed to transfer the PNR, ResID_Value is the PNR passed by the GDS. If HotelReservationID is passed to transfer the associated reservations, ResID_Value would be the confirmation number of the reservation that is associated with the one that is being transferred.
@ResID_Source	1	A unique identifier to indicate the source system that generated the ResID_Value.

4.1.2 Data Element Table – Check Availability Response

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
@PrimaryLangID		Identifies the primary language preference for the message (ISO 639). All descriptions (room, rate etc...) should, if possible, be returned in the requested language. Default: English
OTA_HotelAvailRS / Success	0..1	Indicates that the request successfully processed. Mandatory if no Errors are sent.
OTA_HotelAvailRS / Errors	0..1	
OTA_HotelAvailRS / Errors / Error	1..99	
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelAvailRS / Warnings	0..1	

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / Warnings / Warning	1..99	Can be used in conjunction with Success message.
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelAvailRS / RoomStays	0..1	A collection of room stay elements.
OTA_HotelAvailRS / RoomStays / RoomStay	1..n	Details on the Room Stay including Guest Counts, Time Span of this Room Stay and financial information related to the Room Stay, including Guarantee, Deposit and Payment and Cancellation Penalties.
@MarketCode	0..1	The code that relates to the market being sold to (e.g. the corporate market, packages).
@SourceOfBusiness	0..1	To specify from where the business came(e.g. radio, newspaper ad, etc.).
@PromotionCode	0..1	The identifier used by the host to link directly with a specific named advertising campaign (not the rate code).
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes	1	A collection of Room Types associated with a particular RoomStay.
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes / RoomType	1..n	Detailed room type information.
@RoomTypeCode	0..1	Specific system room type code.
@InvBlockCode	0..1	A code or identification number that identifies the room stay as part of a group, package tour or block of rooms designated in the inventory.
@Quantity	0	Defines the number of rooms available.
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes / RoomType / RoomDescription	0..1	
@Name	0..1	Name associated with this room description.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Text	0..n	Description of the room.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).

Element @Attribute	Num	Description/Contents
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Image	0..n	Full URL path to image.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Occupancy	0..n	Occupancy information by room type. This will contain the number of people allowed in the room for the rate.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans	0..n	A collection of rate plans associated with this room stay.
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan	1	Detailed rate plan information.
@RatePlanCode	0..1	A string value may be used to request a particular code or an ID if the guest qualifies for a specific rate, such as AARP, AAA, a corporate rate, etc., or to specify a negotiated code as a result of a negotiated rate.
@RatePlanID	0..1	A text field used to indicate a special ID code that is associated with the rate and is essential in the reservation request in order to obtain the rate. An example is Corporate ID.
@RatePlanType		An enumerated type that allows the query to specify a rate category type, and provides major categories for comparison across brands. Refer to OpenTravel Code List Rate Plan Type (RPT).
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / Guarantee	0..5	Guarantee information that applies to the rate plan. A maximum of 5 occurrences are available for use depending on the context.
@GuaranteeCode	1	System Code associated with the Guarantee
@GuaranteeType	1	Enumerated value indicating the type of Guarantee Possible Values: 1. CC/DC/Voucher 2. Profile 3. Deposit 4. PrePay
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties	0..1	Collection of Cancel Penalties.
@CancelPolicyIndicator	0..1	When "True" indicates a cancellation policy exists. Typically sent if no cancel details are sent.

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties / CancelPenalty	0..n	
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties / CancelPenalty / PenaltyDescription	0..n	Description of the cancellation penalty.
@Name	0..1	Name associated with this room description.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / CancelPenalties / CancelPenalty / PenaltyDescription	0..n	Description of the cancellation penalty.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / RatePlanDescription	0..1	
@Name	0..1	Name associated with this room description.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / RatePlanDescription / Text	0..n	Description of the rate.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / RatePlanDescription / Image	0..n	Full URL path to image.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / RatePlanInclusions	0..1	Listing of items included in RatePlan.
@TaxInclusive	1	Indicates if the rate is tax inclusive. Y or N value to be passed.
@ServiceFeeInclusive	1	Indicates if the rate includes any service fees.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / Commission	0..1	
@StatusType	1	Indicates the status of the commission payment itself.
@Percent	1	The percent applied to the commissionable amount to determine the commissionable payment amount.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans / RatePlan / MealsIncluded	0..1	Listing of meals included with the rate plan.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate	1	One instance of RoomRate per room/rate booked. If multiple room types can be booked, then the element "RoomRate" must be repeated for each room type booked in the reservation. If more than one Rate plan can be booked in one reservation, the entire RoomRate element must be repeated for each Room / rate combination.
@EffectiveDate	1	Indicates the starting date.
@ExpireDate	1	Indicates the ending date.
@ExpireDateExclusiveIndicator	1	When true, indicates that the ExpireDate is the first day after the applicable period (e.g. when expire date is Oct 15, the last date of the period is Oct 14).
@RoomTypeCode	1	Identifies the system specific room code associated with this room rate. Can be cross referenced in RoomType/.. to provide descriptive information.
@InvBlockCode	0..1	Identifies the block. Used only when passing group block details.
@RatePlanCode	1	Identifies the system specific rate code associated with this room rate. Can be cross referenced in RatePlans/..
@RatePlanType		An enumerated type that allows the query to specify a rate category type, and provides major categories for comparison across brands. Refer to OpenTravel Code List Rate Plan Type (RPT).

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates	1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate	1	
@EffectiveDate	1	Indicates the starting date.
@ExpireDate	1	Indicates the ending date.
@ExpireDateExclusiveIndicator	1	When true, indicates that the ExpireDate is the first day after the applicable period (e.g. when expire date is Oct 15, the last date of the period is Oct 14).
@RateTimeUnit		Indicates the time unit for the rate.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base	1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should be itemized in the other elements.
@AmountBeforeTax	0..1	Rate amount before tax.
@AmountAfterTax	0..1	Rate amount after tax.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency in which the RoomRate Base is sent.
@DecimalPlaces	0..1	Number of decimal places in rate.
@AdditionalFeesExcludedIndicator		
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax	1..99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive" or cumulative".
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent	0..1	Must send either Percent or Amount.
@Amount	0..1	Must send either Percent or Amount.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency if difference from value under base.
@EffectiveDate	0..1	Indicates the starting date.

Element @Attribute	Num	Description/Contents
@ExpireDate	0..1	Indicates the ending date.
@ChargeUnit	0..1	
@ChargeFrequency	0..1	Noting if the charge is nightly, weekly, per stay.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax / TaxDescription / Text	0..n	Description of the tax.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount	1..n	
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8 – Child 10 – Adult
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount	1	Amount charged for additional people in the room.
@AmountBeforeTax	0..1	Fee amount before tax.
@AmountAfterTax	0..1	Fee amount after tax.

Element @Attribute	Num	Description/Contents
@CurrencyCode	0..1	CurrencyCode uses ISO 4217 codes to indicate the currency if difference from value under base.
@DecimalPlaces	0..1	If difference from value under base.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax	1..99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive" or cumulative".
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent	0..1	Need to send either Percent or Amount.
@Amount	0..1	Need to send either Percent or Amount.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency if different from value under base.
@EffectiveDate	0..1	Indicates the starting date.
@ExpireDate	0..1	Indicates the ending date.
@ChargeUnit	0..1	If different from value under base.
@ChargeFrequency	0..1	Noting if the charge is nightly, weekly, per stay.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax / TaxDescription / Text	0..n	Description of the tax.

Element @Attribute	Num	Description/Contents
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Fees	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Fees	1..n	Indicates fees associated with the rate. This would be repeated for each fee.
@TaxInclusive	1	Indicates if the rate is tax inclusive. Y or N value to be passed.
@Type		Indicates the type of fee.
@Code		The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent		Need to send either percent or amount.
@Amount		Need to send either percent or amount.
@CurrencyCode		CurrencyCode uses ISO 4217 codes to indicate the currency if different from value under base.
@DecimalPlaces		If different from value under base.
@EffectiveDate		Start date of fee.
@ExpireDate		End date of fee.
@ExpireDateExclusiveIndicator		When true, indicates that the ExpireDate is the first day after the applicable period (e.g. when expire date is Oct 15, the last date of the period is Oct 14).
@MandatoryIndicator		Indicates if fees are mandatory.
@ChargeUnit		
@ChargeFrequency		Noting if the charge is nightly, weekly, per stay.
@TaxableIndicator		Indicates if the fee is to be taxed or not. Y or N value to be passed.
Description	0..5	
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).

Element @Attribute	Num	Description/Contents
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
CancelPolicies	0..1	
@CancelPolicyIndicator	1	When "True" indicates a cancellation policy exists. Typically sent if no cancel details are sent.
CancelPolicy	0..n	
@PolicyCode	1	
PaymentPolicies	0..1	
GuaranteePayment	1..n	
@GuaranteeCode	1	Provides the identifier of @GuaranteeTypeCode (e.g. Corporate ID or IATA number).
Discount	0..5	
@AmountBeforeTax	0..1	Amount of discount before tax.
@AmountAfterTax	0..1	Amount of discount after tax.
@CurrencyCode	0..1	CurrencyCode uses ISO 4217 codes to indicate the currency of the discount being transferred.
@TaxInclusive	0..1	Indicates if the rate is tax inclusive. Y or N value to be passed.
@Percent	0..1	The percentage applied to the discount.
@DiscountCode	0..1	
Taxes	0..1	
Taxes / Tax	1..99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive" or cumulative".
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent	0..1	Need to send either Percent or Amount.
@Amount	0..1	Need to send either Percent or Amount.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency if different from value under base.
@EffectiveDate	0..1	Indicates the starting date.
@ExpireDate	0..1	Indicates the ending date.
@ChargeUnit	0..1	
@ChargeFrequency	0..1	Noting if the charge is nightly, weekly, per stay.
Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description.

Element @Attribute	Num	Description/Contents
Taxes / Tax / TaxDescription / Text	0..n	Description of the tax.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
DiscountReason	0..1	
@Name	0..1	Name associated with this discount reason description.
Taxes / Tax / TaxDescription / Text	0..n	Description of the discount reason.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Total	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should be itemized in the other elements.
@AmountBeforeTax	0..1	Total amount before tax.
@AmountAfterTax	0..1	Total amount including tax.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the Total.
@DecimalPlaces	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Total / Taxes	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Total / Taxes / Tax	1..99	
@Type	0..1	
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.

Element @Attribute	Num	Description/Contents
@Percent	0..1	Need to send either Percent or Amount.
@Amount	0..1	Need to send either Percent or Amount.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency for the Tax if different from value under base.
@EffectiveDate	0..1	If different from value under base.
@ExpireDate	0..1	If different from value under base.
@ChargeUnit	0..1	
@ChargeFrequency	0..1	Noting if the charge is nightly, weekly, per stay.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Total / Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Total / Taxes / Tax / TaxDescription / Text	0..n	Description of the tax.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / RoomStay / GuestCounts	1	A collection of GuestCount elements.
OTA_HotelAvailRS / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode		A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC). HTNG will support the following values from the OpenTravel Alliance AQC code list: 8 – Child 10 – Adult
OTA_HotelAvailRS / RoomStays / RoomStay / TimeSpan	1	The Time Span that covers the room stay.
@Start	1	The arrival date.

Element @Attribute	Num	Description/Contents
@End	1	The departure date.
OTA_HotelAvailRS / RoomStays / RoomStay / Guarantee / GuaranteesAccepted	0..1	
OTA_HotelAvailRS / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuarateeAccepted	1..n	Details on the Guarantee.
@GuaranteeTypeCode	1	Indicates the method of Guarantee. Refer to OpenTravel Alliance Payment Type Code list (PMT).
@Guarantee	0..1	Provides the identifier of @GuaranteeTypeCode (e.g. Corporate ID or IATA number).
OTA_HotelAvailRS / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuarateeAccepted / PaymentCard	0..1	Details of a debit or credit card.
@CardType	1	Indicates the type of magnetic striped card. Possible Values: 1. Credit 2. Debit
@CardCode	1	The 2-character code of the credit card issuer.
OTA_HotelAvailRS / RoomStays / RoomStay / BasicPropertyInfo	1	Identifies the hotel for which availability information has been returned.
@HotelCode	1	Indicates the hotel for which the availability is being requested.
@ChainCode	0..1	Indicates the chain to which the hotel belongs.
@BrandCode	0..1	Indicates the Brand within the Chain to which the hotel belongs.
@HotelName	0..1	The name of the hotel.
OTA_HotelAvailRS / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_HotelAvailRS / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packaging, a value of "18" (Other) should be used.

Element @Attribute	Num	Description/Contents
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No) and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.
@ServicePricingType	1	An enumerated type that defines how a service is priced. Values: Per stay, Per person, Per night, Per person per night, Per use.
OTA_HotelAvailRS / Services / Service / Price	0..1	The selling price of this Service.
@AgeQualifyingCode	0..1	Defines an age range or age category of a guest (e.g. under 21, over 65, teen, infant). Refer to OpenTravel Code List Age Qualifying Code (AQC).
@ExpireDate	0..1	Indicates the ending date.
@UnitMultiplier	0..1	Indicates the number of rate time units such as "3 Days".
@EffectiveDate	0..1	Indicates the starting date.
OTA_HotelAvailRS / Services / Service / Price / Base	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should itemized in the other elements. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / Services / Service / Total	0..1	The total amount charged for this rate including additional occupant amounts and fees. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelAvailRS / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment and Cancellation Penalties.
OTA_HotelAvailRS / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated to the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_HotelAvailRS / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelAvailRS / Services / Service / ServiceDetails / TimeSpan	1	The Time Span that covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.

4.2 Seamless Reservation - Book/Modify/Cancel Reservation

4.2.1 Data Element Table – Book/Modify/Cancel Reservation Request

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@ResStatus	1	HTNG supports the ability of booking reservations in either a one or two step process. To book a reservation immediately, the ResStatus should be set to "Commit". To book a reservation using a two step process, the ResStatus should be set to "Initiate". The requesting system then has the option to either "Commit" the reservation or "Ignore" it in a subsequent message. If the reservation is ignored, inventory will be returned and the reservation will not be deemed to have existed. To modify an existing reservation, the ResStatus should be set to "Modify". To cancel an existing reservation, the ResStatus should be set to "Cancel".
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message
@TimeStamp	1	Time of the transaction.
OTA_HotelResRQ / POS / Source / RequestorID	1	This identifies the system that is sending the reservation.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT and ID is used for the name or ID of the requestor. For example, Type 22 – ERSP (Electronic reservation service provider) and ID – TrustCRS
@ID	1	The ID used will be agreed upon by the trading partners and will remain the same throughout the messages.
OTA_HotelResRQ / POS / Source / BookingChannel	1..2	This element is used to pass the booking source for the reservation. To send secondary booking channel information an additional Source element needs to be sent.
@Primary	1	Primary attribute would be set to "true" if only one booking channel is transferred. Only one source should be marked "true" if multiple sources are sent.

@Type	1	Type is mandatory in OpenTravel Alliance and indicates the type of booking channel. Refers to OpenTravel Alliance code list BCT (Booking Channel Type): 1 Global distribution system (GDS) 2 Alternative distribution system (ADS) 3 Sales and catering system (SCS) 4 Property management system (PMS) 5 Central reservation system (CRS) 6 Tour operator system (TOS) 7 Internet
OTA_HotelResRQ / POS / Source / BookingChannel / CompanyName	0	This element is used to pass the primary booking source for the reservation.
@Code	0..1	Code is OPTIONAL and can be used to transfer the code of the Booking channel if such code is a recognised industry standard – the name however should always be sent as well as the code.
OTA_HotelResRQ / HotelReservations / HotelReservation	1	Must be sent for the message to have a meaning.
@CreatorID	1	The CreatorID is the identifier of the user or, in its absence, the office that originated the reservation.
@CreateDateTime	1	This is the date when the reservation was first made.
@LastModifiedDateTime	0..1	This indicates the last date and time when the reservation was modified. Mandatory if this is a modification to an existing reservation.
@LastModifierID	0..1	This indicates the last user who modified the reservation. Mandatory if this is a modification to an existing reservation.
OTA_HotelResRQ / HotelReservations / HotelReservation / UniqueID	1	The unique ID depends on the system generating the booking, i.e. if the booking is generated by the PMS this field would contain the PMS confirmation number and if the system is a CRS, the CRS confirmation number. The Unique ID generated by the system originating the booking must be carried through to the final receiver of the booking (generally the PMS) to ensure that the client can use the same confirmation number whether he/she deals with the website originating the booking or the central reservation office of the hotel or the property itself.
@Type	1	Type is assigned codes from the UIT (Unique Id Type) code list. If the originator is a CRS the recommended value for this message is 14 – Reservation. If the originator is a PMS the recommended value for this message would be 10 – Hotel.
@ID	1	ID is the actual confirmation number.

StayDateRange		
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay	1..n	One instance of RoomStay per Room type booked.
@MarketCode	0..1	This is the code that relates to the market being sold and may be needed by the PMS for tracking purposes.
@ SourceOfBusiness	0..1	Used to specify where the business came from, e.g. radio, newspaper ad or a referring property
@PromotionCode	0..1	This is the promotion code, indicating for instance a specific marketing campaign (not the rate code).
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate /	1..n	One instance of RoomRate per room/rate booked. If multiple room types can be booked, then the element "RoomRate" must be repeated for each room type booked in the reservation. If more than one Rate plan can be booked in one reservation, the entire RoomRate element must be repeated for each Room/rate combination.
@RatePlanCategory	0..1	This is the category or segment to which the rate being booked belongs.
@RoomTypeCode	1	This is the room type code booked in the reservation.
@InvBlockCode	0..1	If the room booked is part of a block, the block code or suitable default string agreed upon by the implementing partners should be transferred in this field .
@NumberOfUnits	1	This is the number of rooms booked for the room type code listed in the RoomTypeCode attribute.
@RatePlanCode	1	This is the rate booked for the room type code listed in the RoomTypeCode attribute.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomRates / RoomRate / Rates / Rate	1..n	At least one instance of Rate per Rate plan. Multiple instances of the Rate element must be sent if rate changes apply to the booking.
@RateTimeUnit	1	Rate Time unit is an Enumeration of time units upon which the rate amount is based (e.g. daily, weekly, single rate for full stay).
@EffectiveDate	1	The Effective date attribute indicates the starting date of when a specific rate value is applied. This is needed when during the stay there are some rate changes and therefore one instance of the Base element applies to part of the stay and another instance of the Base element applies to another part of the stay. The effective date here refers to the Base that is passed in this instance of Rate element.
@ExpireDate	1	The Expire date indicates the day when the specific value of the rate is changed to another value.

@UnitMultiplier	1	UnitMultiplier is the number of RateTimeUnits upon which the rate amount is based (e.g. rate for one day in case of nightly rates).
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomRates / RoomRate / Rates / Rate / Base	1	Mandatory in both OpenTravel Alliance and HTNG if an instance of RoomRate is passed.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the rate that is being booked.
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts	1	Contains the guest counts of the booking.
@IsPerRoom	0..1	Indicates that the guest count provided is on a per room basis.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8 – Child 10 – Adult
@Count	1	Count will include the number and will be repeated for each Type of guest.
@Age	0..1	Defines the age of a guest.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan	1	These are the in and out dates of the booking.
@Start	1	Check-in date.
@End	1	Check-out date.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee	0..5	Guarantee provided with the reservation.

@GuaranteeType	1	This is the attribute that indicates what guarantee is provided with the reservation. The enumerated values can be: "GuaranteeRequired" "None" "CC / DC / Voucher" "Profile" "Deposit" "PrePay"
@GuaranteeCode	0..1	This is the guarantee code used in the CRS.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Details of a debit or credit card.
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.
@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.

OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteeDescription / Text	0..1	Optional. This can be used to pass the details of the guarantee if the guarantee used is not cc or deposit.
@Name	0..1	Used in conjunction with Text element above. Name could be used to indicate Voucher and the Text could be used to indicate the voucher number for instance.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment	0..n	Used if deposit or prepayment information is transferred with the booking. All fields below this path are only mandatory IF the element is used at all.
@PaymentTransactionTypeCode	1	Mandatory if anything is passed in the AcceptedPayment element. This is an enumeration that indicates whether we are talking about a deposit or a prepayment. The 2 options are : charge (prepayment) or reserve (deposit). Would be optional in the schema.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the card to which the deposit or prepayment for the booking must be charged.
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.

OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.
@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AmountPercent	1	Mandatory if something is passed in the DepositPayment element. In this case, the amount must be specified.
@Amount	0..1	This is the amount charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
@CurrencyCode	0..1	Currency used. Should be sent in conjunction with Amount.
@Percent	0..1	This is the percentage charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
@NumberOfNights	0..1	This is the Number of nights charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / Deadline	0..1	Indicates when the deposit is due if not at the time of booking.
@AbsoluteDeadline	0..1	Used as per OpenTravel Alliance schema.
@OffsetTimeUnit	0..1	Used as per OpenTravel Alliance schema.
@OffsetUnitMultiplier	0..1	Used as per OpenTravel Alliance schema.
@OffsetDropTime	0..1	Used as per OpenTravel Alliance schema.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking.
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.

OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking.
@SeriesCode	0..1	Identification of a series of coupons or vouchers identified by serial number(s).
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the total rate.
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes	0..1	Optional, can be used for Total Pricing.
@ Amount	0..1	Total Amount of Taxes applied to the booking.
@CurrencyCode	0..1	Currency of the total Amount of Taxes.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional can be used for Total Pricing.
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is “inclusive”, “exclusive” or cumulative”.
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Amount	0..1	Amount of the specific tax/fee transferred.
@CurrencyCode	0..1	Currency for the Amount of the specific tax/fee transferred.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.

@ChainCode	0..1	ChainCode indicates the Chain to which the property belongs.
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Memberships / Membership	0..n	The element Membership is optional but both attributes would need to be MANDATORY.
@ProgramCode	1	The loyalty program to which the account ID belongs.
@AccountID	1	The account that needs to be credited with points for the stay booked.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment	1	
@Name	0..1	Allows types of Comments to be differentiated. Valid values would be determined by Trader-Partners.
@GuestViewable	0	This indicates that the comment can actually be seen by the guest and is necessary when two different types of comments are passed: one that is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	Comments.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated with the reservation. If a special request is passed it must be passed with the RequestCode attribute, which is therefore conditionally mandatory. If no code is available the partners should agree on a code to be transferred in conjunction with the TEXT element below.

@CodeContext	0..1	If the system sending the information differentiates the request codes in various groups (for instance room features vs special requests, etc.) the context of the code should be sent to indicate whether the request sent is indeed a room feature or a special request or belongs to any other grouping – must be agreed upon by implementing partners based on the functionality of the systems involved.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest / Text	0..1	Provides more information about the request code or provides description for requests that are yet uncoded.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests, or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packing, a value of "18" (Other) should be used.
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No) and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.
@ServicePricingType	1	An enumerated type that defines how a service is priced. Values: Per stay, Per person, Per night, Per person per night, Per use.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / Price	0..1	The selling price of this Service.

@AgeQualifyingCode	0..1	Defines an age range or age category of a guest (e.g. under 21, over 65, teen, infant). Refer to OpenTravel Code List Age Qualifying Code (AQC).
@ExpireDate	0..1	Indicates the ending date.
@UnitMultiplier	0..1	Indicates the number of rate time units such as "3 Days".
@EffectiveDate	0..1	Indicates the starting date.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / Price / Base	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should itemized in the other elements. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / Total	0..1	The total amount charged for this rate including additional occupant amounts and fees. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g., USD 8500 needs DecimalPlaces="2" to represent \$85).

OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment, and Cancellation Penalties.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated to the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / TimeSpan	1	The Time Span that covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest /	1	
@ResGuestRPH	1	For simple reservations; If profiles for guest, travel agency and company are available, they would all be linked to a single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accomodate more complex scenarios.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID	0..1	This is used to pass a Unique ID linked to the profile that is being transferred. For a guest profile, it could be the customer loyalty number, for a company it could be the corporate ID. For a travel Agency it could be the IATA number.

@ Type	1	The Type attribute refers to OpenTravel Alliance code type UIT and the choices recommended by HTNG should be: 1 – Customer 4 – Company 5 – Travel Agency
@ID	1	The actual ID.
@ID_Context	0..1	ID_Context is optional and would be used to identify the source of the ID (for instance for a Travel agency ID we could have IATA or ABTA, etc.).
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile	1	
@ProfileType	1	This is used to pass the profile info for the guest, the Company and the Travel agency. For the individual guest the code used in ProfileType is the OpenTravel Alliance PRT code 1– [Customer], for a company it is PRT code – 3 [Corporation], for a travel agency it is PRT code 4 – [Travel agent].
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer.
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's birthdate information.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName	0..5	Detailed name information for the customer.

@Language	0..1	The language code for which the name data is represented. While this value is optional, it is HIGHLY RECOMMENDED that it be used.
@NameType	0..1	Former, Nickname, Alternate, etc. While an optional value in the specification, it may be required in others.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NamePrefix	0..1	Optional but should be highly recommended by HTNG that partners use it if possible. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's name Prefix.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / GivenName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's First name.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / MiddleName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Middle name.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / Surname	1	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Surname.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NameSuffix	0..1	Optional. This field would be used to pass the guest's Suffix.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Telephone	1..n	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's phone number and fax number.
@PhoneLocationType	0..1	The PhoneLocationType attribute refers to the OpenTravel Alliance PLT code list and indicates where the phone number is based. The values to be used by HTNG are: 6 – Home, 7 – Office, 8 – Other (e.g. cell phone).

@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The 3 codes to be used by HTNG are: Code 1 – Voice Code 3 – Fax Code 5 – Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES. If the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@ DefaultInd	0..1	DefaultInd is optional and would indicate whether the phone number is the primary phone number for the profile.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Email	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's email address.
@EmailType	0..1	The EmailType attribute uses the OpenTravel Alliance code list EAT and indicates the type of email address provided (Personal – code 1 vs Business – code 2, in the case of the Guest details) and must be passed if more than one email address is passed. If only one email address is passed we can have it optional.
@DefaultInd	0..1	DefaultInd is optional and would indicate whether the email is the primary email for the profile.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's mail address.

@Type	1	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type of address provided (Home – code 1 vs Business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / AddressLine	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's address. More than one line can be sent.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CityName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's city.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / StateProv	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's state.
@StateCode	0..1	State expressed in the Standard 2–8 characters code.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's postal/ZIP code.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's country.
@Code	0..1	Country expressed in the Standard ISO 3166 code.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile.

@ProgramID	0..1	The ProgramID attribute can be used to indicate the program that is being passed. For instance we could use it to pass: Frequent Guest, Frequent Traveller and Company ID.
@MembershipID	0..1	The membershipID attribute will indicate the actual number.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / AddressLine	0..5	Mandatory if a company or travel agency profile is passed. Address line is repeatable up to 5 times. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's address. Type attribute is not needed here as it is clearly a business address.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CityName	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's city.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's state
@StateCode	0..1	State expressed in the Standard 2-8 character code.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / PostalCode	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's postal/ ZIP code.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CountryName	0..1	Optional. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's country.
@Code	0..1	Country expressed in the Standard ISO 3166 codes.

OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / TelephoneInfo	1..n	Mandatory if a company or travel agency profile is passed. This element is used to pass the Company or Travel Agency's phone and numbers. PhoneLocationType is not needed here as this is an office telephone.
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are: Code 1 - Voice Code 3 - Fax Code 5 - Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES. If the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@DefaultInd	0..1	DefaultInd would indicate whether the phone number is the primary phone number for the profile.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / Email	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's email. EmailType attribute is not needed here as it is clearly a business address.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / TPA_Extentions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes for instance).

OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / ArrivalTransport / TransportInfo	0..1	The 3 attributes below are used to indicate the arrival details for the guests to which the booking pertains.
@Type	0..1	Type is used to indicate the method of conveyance of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).
@Time	0..1	Time is the estimated arrival time.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / DepartureTransport / TransportInfo	0..1	The 3 attributes are used to indicate the departure details for the guests to which the booking pertains.
@Type	0..1	Type is used to indicate the method of departure of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).
@Time	0..1	Time is the expected departure time.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple times to transfer: <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS. 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room or as part of an Itinerary.
@ResID_Type	1	ResID_Type is assigned values from the UIT code list If HotelReservationID is passed to transfer the PNR, the required value here is: 24 – Travel Agent PNR. If HotelReservationID is passed to transfer the associated reservations, The possible values are: 25 – Associated reservation (travelling with) 26 – Associated itinerary reservation 27 – Associated shared reservation.
@ResID_Value	1	If HotelReservationID is passed to transfer the PNR, ResID_Value is the PNR passed by the GDS. If HotelReservationID is passed to transfer the associated reservations, ResID_Value would be the confirmation number of the reservation that is associated to the one that is being transferred.

@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.
-----------	------	---

4.2.2 Data Element Table – Book/Modify/Cancel Reservation Response

Element @Attribute	Num	Description/Contents
OTA_HotelResRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
@ResResponseType	1	This attribute is used to indicate the status of the transaction itself and should be a direct map to the ResStatus attribute in the RQ message. RQ RS Initiate Pending Commit Committed Ignore Ignored Modify Modified Cancel Cancelled
OTA_HotelResRS / Errors / Error	1..99	Mandatory ONLY if Success element is not sent. Only needed if RQ message was unsuccessful.
@Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation failed, the uniqueID of the rejected reservation should be reported here.
OTA_HotelResRS / Success	1	Mandatory if no Errors where sent. This is the annotation that the reservation batch was received successfully. It could be combined with warning messages if some of the reservations in the batch had issues.
OTA_HotelResRS / Warnings / Warning	0..99	Can be used in conjunction with Success message.
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation	1	Must be sent for the message to have a meaning.
@CreatorID	1	The CreatorID is the identifier of the user or, in its absence, the office that originated the reservation.
@ CreateDateTime	1	This is the date when the reservation was first made.
OTA_HotelResRS / HotelReservations / HotelReservation / UniqueID	1	The unique ID depends on the system generating the booking, i.e. if the booking is generated by the PMS this field would contain the PMS confirmation number; if the system is a CRS, the CRS confirmation number. The Unique ID generated by the system originating the booking must be carried through to the final receiver of the booking (generally the PMS) to ensure that the client can use the same confirmation number whether he/she deals with the website originating the booking or the central reservation office of the hotel or the property itself.
@Type	1	Type is assigned codes from the UIT (Unique Id Type) code list. If the originator is a CRS the recommended value for this message is 14 – Reservation. If the originator is a PMS the recommended value for this message would be 10 – Hotel.
@ID	1	ID is the actual confirmation number.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay	1..n	One instance of RoomStay per Room type booked.
@MarketCode	0..1	This is the code that relates to the market being sold and may be needed by the PMS for tracking purposes.
@ SourceOfBusiness	0..1	Used to specify where the business came from; e.g. radio, newspaper ad or a referring property.
@ PromotionCode	0..1	This is the promotion code indicating for instance a specific marketing campaign – not the rate code.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate /	1..n	One instance of RoomRate per room/rate booked. If multiple room types can be booked, then the element “RoomRate” must be repeated for each room type booked in the reservation. If more than one Rate plan can be booked in one reservation the entire RoomRate element must be repeated for each room/rate combination.
@RatePlanCategory	0..1	This is the category or segment to which the rate being booked belongs.
@RoomTypeCode	1	This is the room type code booked in the reservation.

Element @Attribute	Num	Description/Contents
@InvBlockCode	0..1	If the room booked is part of a block, the block code or suitable default string agreed upon by the implementing partners should be transferred in this field.
@NumberOfUnits	1	This is the number of rooms booked for the room type code listed in the RoomTypeCode attribute.
@RatePlanCode	1	This is the rate booked for the room type code listed in the RoomTypeCode attribute.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomRates / RoomRate / Rates / Rate	1..n	At least one instance of Rate per Rate plan. Multiple instances of the Rate element must be sent if rate changes apply to the booking.
@RateTimeUnit	1	Rate Time Unit is an Enumeration of time units upon which the rate amount is based (e.g. daily, weekly, single rate for full stay).
@EffectiveDate	1	The Effective date attribute indicates the starting date of when a specific rate value is applied. This is needed when during the stay there are some rate changes and therefore one instance of the Base element applies to part of the stay and another instance of the Base element applies to another part of the stay. The effective date here refers to the Base that is passed in this instance of Rate element.
@ExpireDate	1	The Expire date indicates the day when the specific value of the rate is changed to another value.
@UnitMultiplier	1	UnitMultiplier is the number of RateTimeUnits upon which the rate amount is based (e.g. rate for one day in case of nightly rates).
OTA_HotelResRS / HotelReservations / HotelReservation / RoomRates / RoomRate / Rates / Rate / Base	1	Mandatory in both OpenTravel Alliance and HTNG if an instance of RoomRate is passed.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the Rate Base.
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts	1	Contains the guest counts of the booking.

Element @Attribute	Num	Description/Contents
@IsPerRoom	0..1	Indicates that the guest count provided is on a per room basis.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8 – Child 10 – Adult
@Count	1	Count will include the number and will be repeated for each Type of guest.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan	1	These are the in and out date of the booking.
@Start	1	Check-in date.
@End	1	Check-out date.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee	0..5	Guarantee provided with the reservation.
@GuaranteeType	1	This is the attribute that indicates what guarantee is provided with the reservation. The enumerated values can be: "GuaranteeRequired" "None" "CC / DC / Voucher" "Profile" "Deposit" "PrePay"
@GuaranteeCode	0..1	This is the guarantee code used in the CRS.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Details of a debit or credit card.
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).

@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.
@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteeDescription / Text	0..1	Optional. This can be used to pass the details of the guarantee if the guarantee used is not cc or deposit.
@Name	0..1	Used in conjunction with Text element above. Name could be used to indicate Voucher and the Text could be used to indicate the voucher number, for instance.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment	0..n	Used if deposit or prepayment information is transferred with the booking. All fields below this path are only mandatory IF the element is used at all.
@PaymentTransactionTypeCode	1	Mandatory if anything is passed in the AcceptedPayment element. This is an enumeration that indicates whether we are talking about a deposit or a prepayment. The 2 options are : charge (prepayment) or reserve (deposit). Would be optional in the schema.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the card to which the deposit or prepayment for the booking must be charged.
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.
@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AmountPercent	1	Mandatory if something is passed in the DepositPayment element. In this case, the amount must be specified.
@Amount	0..1	This is the amount charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.

Element @Attribute	Num	Description/Contents
@CurrencyCode	0..1	Currency used. Should be sent in conjunction with Amount.
@Percent	0..1	This is the percentage charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
@NumberOfNights	0..1	This is the Number of nights charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / Deadline	0..1	Indicates when the deposit is due if not at the time of booking.
@AbsoluteDeadline	0..1	Used as per OpenTravel Alliance schema.
@OffsetTimeUnit	0..1	Used as per OpenTravel Alliance schema.
@OffsetUnitMultiplier	0..1	Used as per OpenTravel Alliance schema.
@OffsetDropTime	0..1	Used as per OpenTravel Alliance schema.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking.
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking.
@SeriesCode	0..1	Identification of a series of coupons or vouchers identified by serial number(s).
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the total rate.

Element @Attribute	Num	Description/Contents
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes	0..1	Optional, can be used for Total Pricing.
@ Amount	0..1	Total Amount of Taxes applied to the booking.
@CurrencyCode	0..1	CurrencyCode uses ISO 4217 codes to indicate the currency of the Amount of Taxes.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional can be used for Total Pricing.
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is “inclusive”, “exclusive” or cumulative”.
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Amount	0..1	Amount of the specific tax/fee transferred.
@CurrencyCode	0..1	CurrencyCode uses ISO 4217 codes to indicate the currency of the Amount of the specific tax/fee transferred.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the Chain to which the property belongs.
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs.
@HotelName	0..1	The name of the hotel.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Memberships / Membership	0..n	The element Membership is optional but both attributes would need to be MANDATORY.
@ProgramCode	1	The loyalty program to which the account ID belongs.
@AccountID	1	The account that needs to be credited with points for the stay booked.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment	1	
@Name	0..1	Allows types of Comments to be differentiated. Valid values would be determined by Trader-Partners.
@GuestViewable	0	This indicates that the comment can actually be seen by the guest and is necessary when 2 different types of comments are passed: one that is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text		Comments.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated with the reservation. If a special request is passed it must be passed with the RequestCode attribute, which is therefore conditionally mandatory. If no code is available the partners should agree on a code to be transferred in conjunction with the TEXT element below.
@CodeContext	0..1	If the system sending the information differentiates the request codes in various groups (for instance room features vs special requests etc.) the context of the code should be sent to indicate whether the request sent is indeed a room feature or a special request or belongs to any other grouping. Must be agreed upon by implementing partners based on the functionality of the systems involved.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest / Text	0..1	Provides more information about the request code or provides description for requests that are yet uncoded.
OTA_HotelResRS / HotelReservations / HotelReservation / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packaging, a value of "18" (Other) should be used.
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No) and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.
@ServicePricingType	1	An enumerated type that defines how a service is priced. Values: Per stay, Per person, Per night, Per person per night, Per use.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / Price	0..1	The selling price of this Service.
@AgeQualifyingCode	0..1	Defines an age range or age category of a guest (e.g. under 21, over 65, teen, infant). Refer to OpenTravel Code List Age Qualifying Code (AQC).
@ExpireDate	0..1	Indicates the ending date.
@UnitMultiplier	0..1	Indicates the number of rate time units such as "3 Days".

Element @Attribute	Num	Description/Contents
@EffectiveDate	0..1	Indicates the starting date.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / Price / Base	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should itemized in the other elements. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / Total	0..1	The total amount charged for this rate including additional occupant amounts and fees. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment and Cancellation Penalties.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated with the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / ServiceDetails / TimeSpan	1	The Time Span that covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest /	1	
@ResGuestRPH	1	For simple reservations: If profiles for guest, travel agency and company are available, they would all be linked to a single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accommodate more complex scenarios.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID	0..1	This is used to pass a Unique ID linked to the profile that is being transferred. For a guest profile, it could be the customer loyalty number, for a company it could be the corporate ID. For a travel Agency it could be the IATA number.
@ Type	1	The Type attribute refers to OpenTravel Alliance code type UIT and the choices recommended by HTNG should be: 1 – Customer 4 – Company 5 – Travel Agency
@ID	1	The actual ID.

Element @Attribute	Num	Description/Contents
@ID_Context	0..1	ID_Context is optional and would be used to identify the source of the ID (for instance for a Travel agency ID we could have IATA or ABTA, etc.)
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile	1	
@ProfileType	1	This is used to pass the profile info for the guest, the Company and the Travel agency. For the individual guest the code used in ProfileType is the OpenTravel Alliance PRT code 1 – [Customer]; for a company it is PRT code – 3 [Corporation]; for a travel agency it is PRT code 4 – [Travel agent].
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer.
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's birthdate information.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName	0..5	Detailed name information for the customer.
@Language	0..1	The language code for which the name data is represented. While this value is optional, it is HIGHLY RECOMMENDED that it be used.
@NameType	0..1	Former, Nickname, Alternate, etc. While an optional value in the specification, it may be required in others.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NamePrefix	0..1	Optional but should be highly recommended by HTNG that partners use it if possible. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's name Prefix.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / GivenName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's First name.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / MiddleName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Middle name.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / Surname	1	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Surname.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NameSuffix	0..1	Optional. This field would be used to pass the guest's Suffix.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Telephone	1..n	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's phone number and fax number.
@PhoneLocationType	0..1	The PhoneLocationType attribute refers to the OpenTravel Alliance PLT code list and indicates where the phone number is based. The values to be used by HTNG are: 6 – Home, 7 – Office, 8 – Other (e.g. cell phone).

Element @Attribute	Num	Description/Contents
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are: Code 1 – Voice Code 3 – Fax Code 5 – Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city., or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES if the number needs to be parsed as there is a separation of the different parts, or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@ DefaultInd	0..1	DefaultInd is optional and would indicate whether the phone number is the primary phone number for the profile.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Email	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's email address.
@EmailType	0..1	The Email Type attribute uses the OpenTravel Alliance code list EAT and indicates the type of email address provided (Personal – code 1 vs Business – code 2, in the case of the Guest details) and must be passed if more than one email address is passed. If only one email address is passed we can have it optional.
@DefaultInd	0..1	DefaultInd is optional and would indicate whether the email is the primary email for the profile.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's mail address.

Element @Attribute	Num	Description/Contents
@Type	1	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type of address provided (Home – code 1 vs Business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / AddressLine	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's address. More than one line can be sent.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CityName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's city.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / StateProv	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's state.
@StateCode	0..1	State expressed in the Standard 2–8 character code.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's postal/ZIP code.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's country.
@Code	0..1	Country expressed in the Standard ISO 3166 code.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile.

Element @Attribute	Num	Description/Contents
@ProgramID	0..1	The ProgramID attribute can be used to indicate the programme that is being passed. For instance we could use it to pass: Frequent Guest, Frequent Traveller and Company ID.
@MembershipID	0..1	The membershipID attribute will indicate the actual number.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / AddressLine	0..5	Mandatory if a company or travel agency profile is passed. Address line is repeatable up to 5 times. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's address. Type attribute is not needed here as it is clearly a business address.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CityName	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's city.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's state .
@StateCode	0..1	State expressed in the Standard 2–8 characters code.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / PostalCode	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's postal or ZIP code.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CountryName	0..1	Optional. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's country.

Element @Attribute	Num	Description/Contents
@Code	0..1	Country expressed in the Standard ISO 3166 codes.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / TelephoneInfo	1..n	Mandatory if a company or travel agency profile is passed. This element is used to pass the Company or Travel Agency's phone and numbers. PhoneLocationType is not needed here as this is an office telephone.
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are: Code 1 – Voice Code 3 – Fax Code 5 – Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES if the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@DefaultInd	0..1	DefaultInd would indicate whether the phone number is the primary phone number for the profile.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / Email	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's email. EmailType attribute is not needed here as it is clearly a business address.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / TPA_Extentions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes for instance).
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / ArrivalTransport / TransportInfo	0..1	The 3 attributes below are used to indicate the arrival details for the guests to whom the booking pertains.
@Type	0..1	Type is used to indicate the method of conveyance of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).
@Time	0..1	Time is the estimated arrival time.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / DepartureTransport / TransportInfo	0..1	The 3 attributes are used to indicate the departure details for the guests to whom the booking pertains.
@Type	0..1	Type is used to indicate the method of departure of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).
@Time	0..1	Time is the expected departure time.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple times to transfer: <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS. 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room or as part of an Itinerary. 3. The confirmation number issued by the CRS. 4. The confirmation number issued by the PMS.

Element @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list: If it is a PMS:ResID_Type = 10 – Hotel If it is a CRS:ResID_Type = 14 – Reservation If HotelReservationID is passed to transfer the PNR, the required value here is: 24 – Travel Agent PNR. If HotelReservationID is passed to transfer the associated reservations, The possible values are: 25 – Associated reservation (travelling with) 26 – Associated itinerary reservation 27 – Associated shared reservation. For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.
@ResID_Value	1	This is the confirmation number associated with the @ResID_Type.
OTA_HotelResRS / HotelReservations / HotelReservation / UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e the system that sent the OTA_HotelResRQ message for which the OTA_HotelResRS message is sent).
@Type	1	Type is assigned values from the UIT code list. If the original system was a CRS: Type = 14 – Reservation. ID is the actual confirmation number If it was a PMS: Type = 10 – Hotel.
@ID	1	ID is the CRS confirmation number (or PMS number if the reservation was originated in the PMS).
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

4.3 Lookup Reservation

4.3.1 Data Element Table – Lookup Reservation Request

Element @Attribute	Num	Description/Contents
OTA_ReadRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message.

Element @Attribute	Num	Description/Contents
@TimeStamp	1	Time of the transaction.
OTA_ReadRQ / POS / Source / RequestorID	1	This identifies the system that is sending the reservation.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT and ID is used for the name or ID of the requestor. For example, type 22 – ERSP (Electronic reservation service provider) and ID – SynXis.
@ID	1	The ID used will be agreed upon by the trading partners and remain the same throughout the messages.
OTA_ReadRQ / POS / Source / BookingChannel	1..2	This element is used to pass the booking source for the reservation. To send secondary booking channel information an additional Source element needs to be sent.
@Primary	1	Primary attribute would be set to “true” if only one booking channel is transferred. Only one source should be marked “true” if multiple sources are sent.
@Type	1	Type is mandatory in OpenTravel Alliance and indicates the type of booking channel. Refers to OpenTravel Alliance code list BCT (Booking Channel Type): 1 Global distribution system (GDS) 2 Alternative distribution system (ADS) 3 Sales and catering system (SCS) 4 Property management system (PMS) 5 Central reservation system (CRS) 6 Tour operator system (TOS) 7 Internet
OTA_ReadRQ / POS / Source / BookingChannel / CompanyName	0..1	The name of the booking source.
OTA_ReadRQ / POS / Source / BookingChannel / CompanyName @Code	0..1	Code is OPTIONAL and can be used to transfer the code of the Booking channel if such code is a recognized industry standard – the name however should always be sent as well as the code.
OTA_ReadRQ / ReadRequests / ReadRequest	1	Must be sent for the message to have a meaning. For a pull reservation, the HotelReadRequest element will be used since the confirmation number is not known.
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the Chain to which the property belongs.
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs.

4.3.2 Data Element Table – Lookup Reservation Response

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OpenTravel Alliance – therefore it must remain mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_ResRetrieveRS / ReservationsList /	1	Must be sent for the message to have a meaning.
OTA_ResRetrieveRS / ReservationsList / HotelReservation	1	Contains the reservations that match the requested criteria. The HotelReservation node should be identical to the HotelReservation node used in the OTA_HotelResNotifRQ messages for book, modify and cancel. If a HotelReservation node does not exist, no reservations are available that meet the search criteria.
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / RequestorID	1	This identifies the system that is sending the reservation.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT and ID is used for the name or ID of the requestor. For example, type 22 – ERSP (Electronic reservation service provider) and ID – SynXis.
@ID	1	The ID used will be agreed upon by the trading partners and remain the same throughout the messages.
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / BookingChannel	1..2	This element is used to pass the booking source for the reservation. To send secondary booking channel information an additional Source element needs to be sent.
@Primary	1	Primary attribute would be set to “true” if only one booking channel is transferred. Only one source should be marked “true” if multiple sources are sent.
@Type	1	Type is mandatory in OpenTravel Alliance and indicates the type of booking channel. Refers to OpenTravel Alliance code list BCT (Booking Channel Type): 1 Global distribution system (GDS) 2 Alternative distribution system (ADS) 3 Sales and catering system (SCS) 4 Property management system (PMS) 5 Central reservation system (CRS) 6 Tour operator system (TOS) 7 Internet

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / BookingChannel / CompanyName	0	The name of the booking source.
@Code	0..1	Code is OPTIONAL and can be used to transfer the code of the Booking channel if such code is a recognized industry standard. The name however should always be sent as well as the code.
OTA_ResRetrieveRS / ReservationsList /HotelReservation	1	Must be sent for the message to have a meaning.
@CreatorID	1	The CreatorID is the identifier of the user or, in its absence, the office that originated the reservation.
@ CreateDateTime	1	This is the date when the reservation was first made.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / UniqueID	1	The unique ID depends on the system generating the booking; i.e. if the booking is generated by the PMS this field would contain the PMS confirmation number, if the system is a CRS, the CRS confirmation number. The Unique ID generated by the system originating the booking must be carried through to the final receiver of the booking (generally the PMS) to ensure that the client can use the same confirmation number whether he/she deals with the website originating the booking or the central reservation office of the hotel or the property itself.
@Type	1	Type is assigned codes from the UIT (Unique Id Type) code list. If the originator is a CRS the recommended value for this message is 14 – Reservation. If the originator is a PMS the recommended value for this message would be 10 – Hotel.
@ID	1	ID is the actual confirmation number.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay	1..n	One instance of RoomStay per Room type booked.
@MarketCode	0..1	This is the code that relates to the market being sold and may be needed by the PMS for tracking purposes.
@ SourceOfBusiness	0..1	Used to specify where the business came from; e.g. radio, newspaper ad or a referring property.
@PromotionCode	0..1	This is the promotion code indicating for instance a specific marketing campaign (not the rate code).

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomRates / RoomRate	0..1	
@RatePlanCategory	0..1	This is the category or segment to which the rate being booked belongs.
@RoomTypeCode	1	This is the room type code booked in the reservation.
@InvBlockCode	0..1	If the room booked is part of a block, the block code or suitable default string agreed upon by the implementing partners should be transferred in this field .
@NumberOfUnits	1	This is the number of rooms booked for the room type code listed in the RoomTypeCode attribute.
@RatePlanCode	1	This is the rate booked for the room type code listed in the RoomTypeCode attribute.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomRates / RoomRate / Rates / Rate	1..n	At least one instance of Rate per Rate plan. Multiple instances of the Rate element must be sent if rate changes apply to the booking.
@RateTimeUnit	1	Rate Time unit is an Enumeration of time units upon which the rate amount is based (e.g. daily, weekly, single rate for full stay).
@EffectiveDate	1	The Effective date attribute indicates the starting date of when a specific rate value is applied. This is needed when during the stay there are some rate changes and therefore one instance of the Base element applies to part of the stay and another instance of the Base element applies to another part of the stay. The effective date here refers to the Base that is passed in this instance of Rate element.
@ExpireDate	1	The Expire date indicates the day when the specific value of the rate is changed to another value.
@UnitMultiplier	1	UnitMultiplier is the number of RateTimeUnits upon which the rate amount is based (e.g. rate for one day in case of nightly rates).
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomRates / RoomRate / Rates / Rate / Base	1	Mandatory in both OpenTravel Alliance and HTNG if an instance of RoomRate is passed.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the rate that is being booked.

Element @Attribute	Num	Description/Contents
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / GuestCounts	1	Contains the guest counts of the booking.
@IsPerRoom	0..1	Indicates that the guest count provided is on a per room basis.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8 – Child 10 – Adult
@Count	1	Count will include the number and will be repeated for each Type of guest.
@Age	0..1	Defines the age of a guest.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / TimeSpan	1	These are the in and out dates of the booking.
@Start	1	Check-in date
@End	1	Check-out date
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee	0..5	Guarantee provided with the reservation.
@GuaranteeType	1	This is the attribute that indicates what guarantee is provided with the reservation. The enumerated values can be: "GuaranteeRequired" "None" "CC / DC / Voucher" "Profile" "Deposit" "PrePay"
@GuaranteeCode	0..1	This is the guarantee code used in the CRS.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.
@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteeDescription / Text	0..1	Optional. This can be used to pass the details of the guarantee if the guarantee used is not cc or deposit.
@Name	0..1	Used in conjunction with Text element above. Name could be used to indicate Voucher and the Text could be used to indicate the voucher number for instance.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment	0..n	Used if deposit or prepayment information is transferred with the booking. All fields below this path are only mandatory IF the element is used at all.
@PaymentTransactionTypeCode	1	Mandatory if anything is passed in the AcceptedPayment element. This is an enumeration that indicates whether we are talking about a deposit or a prepayment. The 2 options are : charge (prepayment) or reserve (deposit). Would be optional in the schema.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the card to which the deposit or prepayment for the booking must be charged.
@SecureInd	0..1	Secure data indicator.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardHolderName	0..1	Mandatory if credit card guarantee info is passed. This is the name of the card holder. If the system transmitting the info does not hold the cc holder name, it should not be passed rather than passing incorrect details.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardNumber	0..1	Credit card number embossed on the card.

@Token	0..1	Tokenized information.
@TokenProviderID	0..1	Provider ID.
@Mask	0..1	Masked data.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AmountPercent	1	Mandatory if something is passed in the DepositPayment element. In this case, the amount must be specified.
@Amount	0..1	This is the amount charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
@CurrencyCode	0..1	Currency used. Should be sent in conjunction with Amount.
@Percent	0..1	This is the percentage charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
@NumberOfNights	0..1	This is the Number of nights charged as a deposit for the booking. At least one between Amount, Percent and NumberOfNights must be transferred.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / Deadline	0..1	Indicates when the deposit is due if not at the time of booking.
@AbsoluteDeadline	0..1	Used as per OpenTravel Alliance schema.
@OffsetTimeUnit	0..1	Used as per OpenTravel Alliance schema.
@OffsetUnitMultiplier	0..1	Used as per OpenTravel Alliance schema.
@OffsetDropTime	0..1	Used as per OpenTravel Alliance schema.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking.
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking.

Element @Attribute	Num	Description/Contents
@SeriesCode	0..1	Identification of a series of coupons or vouchers identified by serial number(s).
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode uses ISO 4217 codes to indicate the currency of the total rate.
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Total / Taxes	0..1	Optional, can be used for Total Pricing.
@ Amount	0..1	Total Amount of Taxes applied to the booking.
@CurrencyCode	0..1	Currency of the total Amount of Taxes.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional can be used for Total Pricing.
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is “inclusive”, “exclusive” or cumulative”.
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Amount	0..1	Amount of the specific tax/fee transferred.
@CurrencyCode	0..1	Currency for the Amount of the specific tax/fee transferred.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the Chain to which the property belongs.
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Memberships / Membership	0..n	The element Membership is optional but both attributes would need to be MANDATORY.
@ProgramCode	1	The loyalty program to which the account ID belongs.
@AccountID	1	The account that needs to be credited with points for the stay booked.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Comments / Comment	1	
@Name	0..1	Allows types of Comments to be differentiated. Valid values would be determined by Trader-Partners.
@GuestViewable	1	This indicates that the comment can actually be seen by the guest and is necessary when 2 different types of comments are passed: one that is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	Comments.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated with the reservation. If a special request is passed it must be passed with the RequestCode attribute, which is therefore conditionally mandatory. If no code is available the partners should agree on a code to be transferred in conjunction with the TEXT element below.

Element @Attribute	Num	Description/Contents
@CodeContext	0..1	If the system sending the information differentiates the request codes in various groups (for instance room features vs special requests, etc.) the context of the code should be sent to indicate whether the request sent is indeed a room feature or a special request or belongs to any other grouping. Must be agreed upon by implementing partners based on the functionality of the systems involved.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest / Text	0..1	Provides more information about the request code or provides description for requests that are yet uncoded.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests, or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No) and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.
@ServicePricingType	1	An enumerated type that defines how a service is priced. Values: Per stay, Per person, Per night, Per person per night, Per use.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / Price	0..1	The selling price of this Service.
@AgeQualifyingCode	0..1	Defines an age range or age category of a guest (e.g. under 21, over 65, teen, infant). Refer to OpenTravel Code List Age Qualifying Code (AQC).
@ExpireDate	0..1	Indicates the ending date.
@UnitMultiplier	0..1	Indicates the number of rate time units such as "3 Days".
@EffectiveDate	0..1	Indicates the starting date.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / Price / Base	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should be itemized in the other elements. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / Total	0..1	The total amount charged for this rate including additional occupant amounts and fees. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g. sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g. USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment and Cancellation Penalties.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated with the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / Services / Service / ServiceDetails / TimeSpan	1	The Time Span that covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest /	1	
@ResGuestRPH	1	For simple reservations: If profiles for guest, travel agency and company are available, they would all be linked to a single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accommodate more complex scenarios.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID	0..1	This is used to pass a Unique ID linked to the profile that is being transferred. For a guest profile, it could be the customer loyalty number, for a company it could be the corporate ID. For a travel Agency it could be the IATA number.
@ Type	1	The Type attribute refers to OpenTravel Alliance code type UIT and the choices recommended by HTNG should be: 1 – Customer 4 – Company 5 – Travel Agency
@ID	1	The actual ID .

Element @Attribute	Num	Description/Contents
@ID_Context	0..1	ID_Context is optional and would be used to identify the source of the ID (for instance for a Travel agency ID we could have IATA or ABTA, etc.)
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile	1	
@ProfileType	1	This is used to pass the profile info for the guest, the Company and the Travel agency. For the individual guest the code used in ProfileType is the OpenTravel Alliance PRT code 1 – [Customer], for a company it is PRT Code – 3 [Corporation], for a travel agency it is PRT code 4 – [Travel agent].
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.
OTA_ResRetrieveRS / ReservationsList / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer.
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's birthdate information.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName	0..1	Detailed name information for the customer.
@Language	0..1	The language code for which the name data is represented. While this value is optional, it is HIGHLY RECOMMENDED that it be used.
@NameType	0..1	Former, Nickname, Alternate, etc. While an optional value in the specification, it may be required in others.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NamePrefix	0..1	Optional but should be highly recommended by HTNG that partners use it if possible. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's name Prefix.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / GivenName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's First name.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / MiddleName	0..1	Optional. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Middle name.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / Surname	1	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Surname.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NameSuffix	0..1	Optional. This field would be used to pass the guest's Suffix.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Telephone	1..n	Mandatory if a guest profile is passed. This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's phone number and fax numbers.
@PhoneLocationType	0..1	The PhoneLocationType attribute refers to the OpenTravel Alliance PLT code list and indicates where the phone number is based – the values to be used by HTNG are: 6 – Home, 7 – Office, 8 – Other (e.g. cell phone).

Element @Attribute	Num	Description/Contents
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are: Code 1 – Voice Code 3 – Fax Code 5 – Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES if the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@ DefaultInd	0..1	DefaultInd is optional and would indicate whether the phone number is the primary phone number for the profile.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Email	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's email address.
@EmailType	0..1	The Email Type attribute uses the OpenTravel Alliance code list EAT and indicates the type of email address provided (Personal – code 1 vs Business – code 2, in the case of the Guest details) and must be passed if more than one email address is passed. If only one email address is passed we can have it optional.
@DefaultInd	0..1	DefaultInd is optional and would indicate whether the email is the primary email for the profile.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's mail address.

Element @Attribute	Num	Description/Contents
@Type	1	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type of address provided (Home – code 1 vs Business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / AddressLine	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's address. More than one line can be sent.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CityName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's city.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / StateProv	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's state.
@StateCode	0..1	State expressed in the Standard 2–8 character code.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's postal/ZIP code.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's country.
@Code	0..1	Country expressed in the Standard ISO 3166 code.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile.

Element @Attribute	Num	Description/Contents
@ProgramID	0..1	The ProgramID attribute can be used to indicate the program that is being passed. For instance we could use it to pass: Frequent Guest, Frequent Traveller and Company ID.
@MembershipID	0..1	The membershipID attribute will indicate the actual number.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / AddressLine	0..5	Mandatory if a company or travel agency profile is passed. Address line is repeatable up to 5 times. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's address. Type attribute is not needed here as it is clearly a business address.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CityName	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's city.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's state.
@StateCode	0..1	State expressed in the Standard 2–8 characters code
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / PostalCode	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's postal or ZIP code.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CountryName	0..1	Optional. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's country.

Element @Attribute	Num	Description/Contents
@Code	0..1	Country expressed in the Standard ISO 3166 codes.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / TelephoneInfo	1..n	Mandatory if a company or travel agency profile is passed. This element is used to pass the Company or Travel Agency's phone and numbers. PhoneLocationType is not needed here as this is an office telephone.
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are : Code 1 – Voice Code 3 – Fax Code 5 – Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY.
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES if the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@DefaultInd	0..1	DefaultInd would indicate whether the phone number is the primary phone number for the profile.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / Email	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's email. EmailType attribute is not needed here as it is clearly a business address.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / TPA_Extensions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes for instance).

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / ArrivalTransport / TransportInfo	0..1	The 3 attributes below are used to indicate the arrival details for the guests to which the booking pertains.
@Type	0..1	Type is used to indicate the method of conveyance of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).
@Time	0..1	Time is the estimated arrival time.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / ResGuests / ResGuest / DepartureTransport / TransportInfo	0..1	The 3 attributes are used to indicate the departure details for the guests to which the booking pertains.
@Type	0..1	Type is used to indicate the method of departure of this guest. Values: Air, Rail, Bus, Boat, Private Auto, Other.
@ID	0..1	ID is the actual identifier of this transportation method (e.g. flight number).

5 Appendices

5.1 Glossary of Terms

For the purpose of this document the following terms have been defined as follows:

Term	Definition
Reservation Lookup Requester	A system that has the need to request a specific reservation.
Reservation Lookup Responder	A system that maintains reservation information and responds to queries for reservation information.
Seamless Reservation Requester	A system that has the need to either request a specific reservation OR book, modify or cancel a reservation.
Seamless Reservation Responder	A system that maintains seamless reservation information.
Shopping Requester	A system that has the need to obtain product availability.
Shopping Responder	A system that maintains product availability.

5.2 Referenced Documents

The following table shows the documents upon which this document depends:

Document Title	Location/URL
Other HTNG Product Distribution Specifications	Outline of most recent versions available on workgroup's wiki page
OpenTravel Alliance Specifications	www.opentravel.org/specifications

5.3 Frequently Asked Questions

5.3.1 How should all identifiers be assigned?

The UniqueID element at the top of the message will contain the confirmation id given to the guest given by the first reservation system. This identifier will be carried through to all other systems. Additional identifiers are added as needed in a ReservationID element at the bottom of the message.

5.3.2 How should errors and warnings be used?

The response messages have an option between sending a Success element with an optional collection of Warning elements or a collection of Error elements. It has been agreed that when the request message is not processed the response will only have error elements. When the message is processed then the Success element will be sent, along with any warnings indicating issues that did not prevent the processing but should result in some future correction by the implementers of the message.

5.3.3 How can share reservations be sent?

Share reservations should be sent in a single message with all members of the share in the repeating HotelReservation element.

5.3.4 Handling of AvailReqType and RatePlanType

The AvailReqType attribute is used in conjunction with the RatePlanType attribute to control the data being returned in the response message.

The AvailReqType enumerations are “Room” which will return room related rates or packages, “NonRoom” which will return only those services that are non- room related and “Both” which will return both. The RatePlanType codes used in this specification are “13” for Rate plans and “11” for Package plans.

For example:

A request for AvailReqType = “Room” and RatePlanType = “13” will return rooms and rates, but no package rates and no components.

A request for AvailReqType = “Room” and RatePlanType = “11” will return rooms and Packages, but no rate plans and no components.